

**WORLD-MINING-DATA  
WELT-BERGBAU-DATEN**

**L. Weber & G. Zsak**

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**Minerals Production / Rohstoffproduktion**

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# EXPLANATION

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## 1. Mineral Raw Materials:

Extracted and processed minerals respectively are classified to 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, tantalum-columbium, titanium, tungsten, vanadium

### Non-ferrous metals:

Aluminium, antimony, arsenic, bauxite, bismuth, cadmium, copper, gallium, germanium, lead, lithium, mercury, rare-earth minerals, tellurium, tin, zinc

### Precious metals:

Gold, platinum-group metals, silver

### Industrial minerals:

Asbestos, baryte, bentonite, boron minerals, diamond (gem and industrial), diatomite, feldspar, fluorspar, gypsum and anhydrite, graphite, guano, kaolin (china-clay), magnesite, perlite, potash, phosphate rock, salt, sulfur, talc (incl. steatite and pyrophyllite), vermiculite, zircon

### Mineral fuels:

Bituminous coal (incl. anthracite and sub-bituminous), crude oil, lignite, natural gas, oil shale, uranium

## 2. Definitions:

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

# EXPLANATION

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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.

## Weights and Measures:

1 metric ton	=	1000 kg
1 short ton	=	907,2 kg
1 long ton	=	1016,047 kg
1 lb (pound)	=	0,4536 kg
1 troy ounce	=	31,1035 g
1 ct (carat)	=	200 mg

## Conversion table:

### Volume units:

1 Cubic foot (ft <sup>3</sup> )	=	Cubic meter (m <sup>3</sup> )*0,028317
1 Cubic meter (m <sup>3</sup> )	=	Cubic foot (ft <sup>3</sup> )*35,31467
1 americ.(=petroleum) barrel (bl, bbl)	=	42 gallons=158,98 l
1 flask Mercury	=	76 lb = 34,5 kg

### Conversion for CIS natural gas:

CIS gas figures are reported in cubic metres but under standard pressure of 0,1 MPa and temperature of 20 C. For comparison with western standards CIS values are multiplied by a factor of 0,9315.

Conversion for salt brine: cubic metres x 0.3 = metric tons (approximate method).

### Conversion for crude oil (approximate method)

7 bbl (barrel)	=	1 metr.t
1 bbl	=	0,1429 metr.t
1 bbl/d	=	365 bbl/a

Pakistan's official conversion of domestic crude oil is 7.6 bbl = 1 metric ton.

# EXPLANATION

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Sources of data (see chapter 6.3)

Accuracy of data

- 1 reported figure
- 2 estimated figure
- 3 provisional figure

Source of data

- a by questionnaire
- b US Geological Survey (former US Bureau of Mines)
- d Mineral Commodity Summaries
- e National statistics
- f Metallgesellschaft
- g World Mineral Statistics
- h Mining Annual Review
- i Öldorado (ESSO)
- j World Oil
- k Intern. Petroleum Encyclopedia
- l IAEA
- m OECD und ECE
- n Others
- o Oil & Gas Journal

## 3. Details of Contents, Weights and Measures:

Figures shown in tables do not (unless specified) refer to crude ore (ROM/Run of mine) or concentrate produced therefrom, but indicate the content of recoverable elements as following:

Raw Material	Content	Weight, Measures
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Iron and alloying constituents of special steels:

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

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## Non-ferrous metals:

Aluminium	Smelter production	metr.t
Antimony	Sb	metr.t
Arsenic	As <sub>2</sub> O <sub>3</sub>	metr.t
Bauxite *)	ROM ore, gross weight	metr.t
Bismuth	Bi	metr.t
Cadmium	Smelter production	metr.t
Copper	Cu	metr.t
Gallium	Ga	metr.t
Germanium	Ge	metr.t
Lead	Pb	metr.t
Lithium	Li <sub>2</sub> O	metr.t
Mercury	Hg	metr.t
Rare Earth Minerals	Concentrate	metr.t
Tellurium	Te	metr.t
Tin	Sn	metr.t
Zinc	Zn	metr.t

\*) incl. nepheline-syenite and alunite in CIS-Countries

## Precious metals:

Gold	Au	kg
Platinum-Group metals	Pt-GM	kg
Silver	Ag	kg

## Industrial minerals:

Asbestos	fibre	metr.t
Baryte		metr.t
Bentonite		metr.t
Boron minerals		metr.t
Diamonds (Gem)		carats
Diamonds (Ind)		carats
Diatomite		metr.t
Feldspar		metr.t
Fluorspar		metr.t
Graphite		metr.t
Guano		metr.t
Gypsum and Anhydrite		metr.t
Kaolin (China-Clay)		metr.t
Magnesite		metr.t



# EXPLANATION

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Perlite		metr.t
Phosphate rock	P <sub>2</sub> O <sub>5</sub>	metr.t
Potash	K <sub>2</sub> O	metr.t
Salt	rock,brines marine salt	metr.t
Sulfur	elem. and ind. sulfur	metr.t
Talc, Steatite and Pyrophyllite		metr.t
Vermiculite		metr.t
Zircon	Concentrate	metr.t

## Mineral fuels:

Hard (bituminous) coal incl.anthracite & sub-bituminous		metr.t
Lignite		metr.t
Natural Gas		Mio m <sup>3</sup>
Oil		metr.t
Oil Shale		metr.t
Uranium	U <sub>3</sub> O <sub>8</sub>	metr.t

## 4. Regional and Sectorial Groups:

### 4.1. Producer Countries:

In principle an attempt was made to identify all countries that produce mineral raw materials. The different producer countries were classified according to international standards (per 1994) taking into consideration in particular UNCTAD classifications. The classification has been adopted for statistical convenience only.

#### LLDCs: (Least Developed Countries)

Africa: Angola, Benin, Botswana, Burkina Faso, Burundi, Cape Verde, Central African Republic, Chad, Comoros, Djibouti, Equatorial Guinea, Eritrea, Ethiopia, Gambia, Guinea, Guinea-Bissau, Lesotho, Liberia, Madagascar, Malawi, Maldives, Mali, Mauritania, Mozambique, Niger, Rwanda, Sao Tome and Principe, Sierra Leone, Somalia, Sudan, Tanzania, Togo, Uganda, Zaire (- 1998), Zambia

Asia: Afghanistan, Bangladesh, Bhutan, Cambodia, Laos, Myanmar, Nepal, Yemen

America: Haiti

Oceania: Kiribati, Samoa, Salomon Islands, Tuvalu, Vanuatu

# EXPLANATION

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**LDCs:** (Less Developed Countries)

Europe: Cyprus, Greenland, Malta, Republic of Yugoslavia

Africa: Algeria, Cameroon, Congo Democratic Republic, Congo Republic, Côte d'Ivoire, Egypt, Ghana, Kenya, Libya, Mauritius, Morocco, Namibia, Nigeria, Senegal, Seychelles, Swaziland, Tunisia, Zimbabwe

Asia: Abu Dhabi (UAE), Bahrain, Brunei, China, Dubai (UAE), Hong Kong, India, Indonesia, Iran, Iraq, Israel, Jordan, Republic of Korea, Kuwait, Lebanon, Malaysia, Oman, Pakistan, PDR Korea, Philippines, Qatar, Ra's al Khaymah (UAE), Saudi Arabia, Singapore, Sharjah (UAE), Sri Lanka, Syria, Taiwan, Thailand, United Arab Emirates, Viet Nam

North- and Middle-America: Bahamas, Barbados, Belize, Bermudas, Costa Rica, Dominican Republic, El Salvador, Guatemala, Honduras, Jamaica, Mexico, Nicaragua, Panama, Trinidad and Tobago

South-America: Argentina, Bolivia, Brazil, Chile, Ecuador, French Guyana, Guyana, Colombia, Paraguay, Peru, Suriname, Uruguay, Venezuela

Oceania: Christmas Island, Fiji, Nauru, New Caledonia, Papua New Guinea, Tonga

**WIC:** (Western Industrialized Countries)

Australia, Belgium, Federal Republic of Germany, Denmark, Finland, France, Greece, Ireland, Iceland, Italy, Japan, Canada, New Zealand, Netherlands, Norway, Austria, Portugal, Republic of South Africa, Sweden, Switzerland, Spain, Turkey, United Kingdom, United States (incl. Puerto Rico)

**CPE:** (Centrally Planned Economies)

China, Cuba, Democratic People's Republic of Korea, Mongolia, Viet Nam

**NRC:** (Newly Reformed Countries)

Albania, Armenia, Azerbaijan, Belarus, Bosnia-Herzegovina, Bulgaria, Croatia, Czech Republic, Estonia, Georgia, Hungary, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Macedonia, Moldavia, Poland, Romania, Russia (Asia), Russia (Europe), Slovak Republic, Slovenia, Tajikistan, Turkmenistan, Ukraine, Uzbekistan

Differing from UNCTAD standards Turkey, member of the OECD, is listed in the group of Western Industrialized Countries, whereas Israel, which is not a member country of the OECD, is included among Less Developed Countries.

# EXPLANATION

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Apart from these, the membership of various countries in different economic blocks or other cartel-like associations was taken into consideration. Considerations of space have, however, prevented classification in terms of additional criteria.

## 4.2. Economic Blocks or Cartel-like Associations

Economic blocks or cartel-like associations were distinguished as follows (in alphabetical order):

**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 Democratic Republic, Congo Republic, Côte d'Ivoire, Djibuti, Equatorial Guinea, 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, Sudan, Swaziland, Tanzania, Togo, Uganda, (Zaire until 1999), Zambia, Zimbabwe

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

Pacific: Fiji, Kiribati, Papua New Guinea, Samoa, Solomon Islands, Tonga, Tuvalu, Vanuatu

**ALADI Countries:** Asociación Latino-Americana de Integración

- most developed: Argentina, Brazil, Mexico
- intermediate: Chile, Colombia, Peru, Uruguay, Venezuela
- least developed countries: Bolivia, Ecuador, Paraguay

Observer Countries:

Costa Rica, Cuba, Dominican Republic, El Salvador, Guatemala, Honduras, Italy, Nicaragua, Panama, Portugal, Spain

**ASEAN Countries:** Association of South East Asian Nations

Brunei, Indonesia, Malaysia, Philippines, Singapore, Thailand

# EXPLANATION

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CFA: The Franc Zone

Africa: Benin, Burkina Faso, Côte d'Ivoire, Cameroon, Central African Republic, Chad, Congo Republic, Equatorial Guinea, Gabun, Mali, Niger, Senegal, Togo

Europe: France

CIPEC: Conseil Intergouvernemental des Pays Exportateurs du Cuivre

- full members: Chile, Peru, Zambia, Zaire
- associated members: Yugoslavia, Papua New Guinea

Remark: CIPEC dissolved in 1992.

COMECON / RGW: Council for Mutual Economic Assistance

Bulgaria, Cuba, Czechoslovakia, German Democratic Republic, Hungary, Mongolia, Poland, Romania, USSR, Viet Nam

This group dissolved in June 1991.

EFTA: European Free Trade Association

Austria (until 1994), Finland (until 1994), Iceland, Liechtenstein, Norway, Sweden (until 1994), Switzerland

EC: European Communities

Austria, Belgium, Denmark, Federal Republic of Germany, Finland, France, Greece, Ireland, Italy, Luxemburg, Netherlands, Portugal, Spain, Sweden, United Kingdom and North Ireland

G-7: Group of the seven most important industrialized countries

Germany, Federal Republic, France, Italy, Japan, Canada, United Kingdom, United States

IBA: International Bauxite Association

Australia\*), Ghana, Guinea, Guyana, India, Indonesia, Jamaica, Sierra Leone, Suriname, Rest-Yugoslavia

\*)Australia resigned membership in 1992.

# EXPLANATION

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**NAFTA:** (North American Free Trade Association)

Canada, Mexico, United States of America

This association was established on January 1, 1994.

**OECD:** Organization for Economic Cooperation and Development (year of entry)

Australia (1971), Austria (1996), Belgium (1949), Canada (1960), Czech Republic (1995), Denmark (1949), Germany, Federal Republic (1949), Finland (1969), France (1964), Greece (1964), Hungary (1996), Iceland (1964), Ireland (1964), Italy (1964), Japan (1964), Korea Republic (1996), Luxemburg (1964), Mexico (1994), Netherlands (1996), New Zealand (1973), Norway (1996), Poland (1996), Portugal (1959), Spain (1959), Sweden (1959), Switzerland (1959), Turkey (1996), United Kingdom (1964), United States (1960)

**OPEC:** Organization of Petroleum Exporting Countries

Abu Dhabi (UAE), Algeria, Dubai (UAE), Ecuador (until December 31, 1992), Gabon (until June 10, 1996), Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Ra's al Khaymah (UAE), Saudi-Arabia, Sharjah (UAE), Venezuela

**SADC:** Southern African Developing Community

Angola, Botswana, Lesotho, Malawi, Mauritius, Mozambique, Namibia, South Africa, Republic of (since August 29, 1994), Swaziland, Tanzania, Zambia, Zimbabwe

## 5. Data capture:

Collection of data relating to mineral raw materials has been carried out by evaluation of questionnaires sent to the National Committees of member countries of the World Mining Congress as well as to other bodies such as Embassies, Foreign Trade Representatives etc. Use has been made of other official mining statistics in cases where they are published; for example, data produced by the British Geological Survey (World Mineral Statistics) and Mining Annual Review 2003 have also been very useful.

Despite a careful study of all source material, no quantitative data were available in certain cases and in such instances estimates of production have been made.

# EXPLANATION

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Although data processing has been done automatically, the possibility exists of human error at the data entry stage and the compilers would be grateful to learn of any corrections that can be made to the database.

**Deadline: February 28, 2004**

Data received later than February 28, 2004 will be implemented in the next edition of this report.

Please send any remarks to

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# EINLEITENDE BEMERKUNGEN

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## 1. Erfasste Rohstoffe:

Die bearbeiteten Rohstoffe wurden in 5 verschiedene Rohstoffgruppen zusammengefasst:

Eisen und Stahlveredler  
Nichteisenmetalle  
Edelmetalle  
Industrieminerale  
Energierohstoffe

### Eisen und Stahlveredler:

Eisen, Chrom, Kobalt, Mangan, Molybdän, Nickel, Tantal-Niob, Titan, Vanadium, Wolfram

### Nichteisenmetalle:

Aluminium, Antimon, Arsen, Bauxit, Blei, Gallium, Germanium, Kadmium, Kupfer, Lithium, Quecksilber, Seltene Erden, Tellur, Wismut, Zink, Zinn

### Edelmetalle:

Gold, Platinmetalle, Silber

### Industrieminerale:

Asbest, Baryt, Bentonit, Borminerale, Diamant (Schmuck- bzw. Industriediamant), Diatomit, Feldspat, Flussspat, Gips und Anhydrit, Grafit, Guano, Kalisalz, Kaolin, Magnesit, Perlit, Phosphat, Salz, Schwefel, Talk (einschließlich Steatit und Pyrophyllit), Vermiculit, Zirkon

### Energierohstoffe:

Braunkohle, Erdöl, Naturgas, Ölschiefer, Steinkohle (inkl. Anthrazit), Uran

## 2. Definitionen:

Mineralischer Rohstoff: Mineralischer Bestandteil der Erdkruste, nach dem eine Nachfrage besteht, sowie Gewinnungsprodukte des Bergbaus im weitesten Sinne einschließlich der durch Aufbereitungsprozesse erzeugten Konzentrate.

Grundstoff: Produkt der Weiterverarbeitung von mineralischen Rohstoffen bis einschließlich der ersten handelsüblichen Bearbeitungsstufe.

# EINLEITENDE BEMERKUNGEN

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Wertstoff: Zumeist empirisch ermittelter, tatsächlich nutzbarer Inhalt eines bestimmten mineralischen Rohstoffes oder Mineralgemenges.

Maßeinheiten:

1 metr.t	=	1000 kg
1 short t	=	907,2 kg
1 long t	=	1016,0470 kg
1 lb (pound)	=	0,4536 kg
1 troy ounce	=	31,1035 g
1 Karat	=	200 mg

Umrechnungstabelle:

Raummaßeinheiten:

1 Kubikfuß (ft <sup>3</sup> )	=	Kubikmeter (m <sup>3</sup> )*0,028317
1 Kubikmeter (m <sup>3</sup> )	=	Kubikfuß (ft <sup>3</sup> )*35,31467
1 amerik. (=petroleum) Barrel (bl, bbl)	=	42 gallons=158,98 l
1 flask (1 Flasche Quecksilber)	=	76 lb=34,5 kg

Umrechnung für Naturgas der GUS (CIS):

Die GUS-Gasstatistik wird angegeben in m<sup>3</sup> unter einem Druck von 0,1 MPa und 20° C.

Die Umrechnung auf westlichen Standard erfolgt durch Multiplikation mit 0,9315.

Umrechnung von Salz in Sole: m<sup>3</sup> x 0,3 = metrische Tonne (Näherungswert).

Umrechnung für Rohöl (Näherungswerte):

7 bbl (barrel)	=	1 metr.t
1 bbl	=	0.1429 metr.t
1 bbl/d	=	365 bbl/a

Pakistan rechnet die heimische Rohölproduktion 7.6 bbls = 1 metr.t



# EINLEITENDE BEMERKUNGEN

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Quellenangaben (bei Kapitel 6.3)

Aussagesicherheit:

- 1 gemeldet (reported)
- 2 geschätzt (estimated)
- 3 vorläufig (provisional)

Datenquelle:

- a eigene Datenerhebung
- b US Bureau of Mines (ehem.), nunmehr US Geological Survey
- d Mineral Commodity Summaries
- e Landesstatistik
- f Metallgesellschaft
- g World Mineral Statistics
- h Mining Annual Review
- i Öldorado (ESSO)
- j World Oil
- k Intern. Petroleum Encyclopedia
- l IAEA
- m OECD und ECE
- n Sonstige
- o Oil & Gas Journal

## 3. Angaben über Wertstoff und Dimensionen:

Die Zahlenangaben in den Tabellen enthalten, so ferne nicht gesondert vermerkt, weder die bergbauliche Rohproduktion (ROM/Run of mine) noch das daraus erzeugte Konzentrat, sondern den Wertinhalt wie folgt:

Rohstoff:	Wertinhalt	Dimension
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Eisen und Stahlveredler:

Eisen	Fe-Inhalt	metr.t
Chrom	Cr <sub>2</sub> O <sub>3</sub> -Inhalt	metr.t
Kobalt	Co-Inhalt	metr.t
Mangan	Mn-Inhalt	metr.t
Molybdän	Mo-Inhalt	metr.t
Nickel	Ni-Inhalt	metr.t
Tantal-Niob	Konzentrat	metr.t

# EINLEITENDE BEMERKUNGEN

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Titan	TiO <sub>2</sub> -Inhalt	metr.t
Vanadium	V <sub>2</sub> O <sub>5</sub> -Inhalt	metr.t
Wolfram	W-Inhalt	metr.t

## Nichteisenmetalle:

Aluminium	Hüttenprod.	metr.t
Antimon	Sb-Inhalt	metr.t
Arsen	As <sub>2</sub> O <sub>3</sub> -Inhalt	metr.t
Bauxit *)	ROM	metr.t
Blei	Pb-Inhalt	metr.t
Gallium	Ga-Inhalt	metr.t
Germanium	Ge-Inhalt	metr.t
Kadmium	Hüttenprod.	metr.t
Kupfer	Cu-Inhalt	metr.t
Lithium	Li <sub>2</sub> O-Inhalt	metr.t
Quecksilber	Hg-Inhalt	metr.t
Seltene Erden	Konzentrat	metr.t
Tellur	Te-Inhalt	metr.t
Wismut	Bi-Inhalt	metr.t
Zink	Zn-Inhalt	metr.t
Zinn	Sn-Inhalt	metr.t

\*) einschließlich Nephelinsyenit und Alunit bei GUS/CIS-Ländern

## Edelmetalle (gerundet):

Gold	Au-Inhalt	kg
Platin	Pt-Metalle	kg
Silber	Ag-Inhalt	kg

## Industrieminerale:

Asbest	Fasergehalt	metr.t
Baryt		metr.t
Bentonit		metr.t
Borminerale		metr.t
Schmuckdiamant		Karat
Industriediamant		Karat
Diatomit		metr.t
Feldspat		metr.t
Flussspat		metr.t
Gips, Anhydrit		metr.t
Grafit		metr.t
Guano		metr.t
Kaolin		metr.t

# EINLEITENDE BEMERKUNGEN

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Magnesit		metr.t
Perlit		metr.t
Phosphat	P <sub>2</sub> O <sub>5</sub> -Inhalt	metr.t
Kalisalz	K <sub>2</sub> O-Inhalt	metr.t
Salz	Steinsalz, Salzsole, Meersalz	metr.t
Schwefel	natürl. u. industr. S	metr.t
Talk, Steatit, Pyrophyllit		metr.t
Vermiculit		metr.t
Zirkon	Konzentrat	metr.t

## Energierohstoffe:

Steinkohle und Anthrazit		metr.t
Braunkohle		metr.t
Uran	U <sub>3</sub> O <sub>8</sub>	metr.t
Erdöl	Rohöl	metr.t
Naturgas		Mio m <sup>3</sup>
Ölschiefer		metr.t

## 4. Regionale und sektorale Untergliederungen:

### 4.1 Produzentenländer:

Grundsätzlich wurde versucht, sämtliche rohstoffproduzierende Länder zu erfassen. Die einzelnen Produzentenländer wurden dabei nach international gültigen Kriterien (Stand 1994) unter Beachtung der UNCTAD-Klassifikation geordnet. Die nachstehende Klassifikation dient lediglich zur statistischen Berechnung.

**LLDC:** Least Developed Countries (Geringst entwickelte Länder)

Afrika: Angola, Äquatorialguinea, Äthiopien, Benin, Botswana, Burkina Faso, Burundi, Dschibuti, Eritrea, Gambia, Guinea, Guinea-Bissau, Kap Verde, Komoren, Lesotho, Liberia, Madagaskar, Malawi, Malediven, Mali, Mauretanien, Mosambik, Niger, Ruanda, Sambia, Sierra Leone, Sao Tome und Principe, Somalia, Sudan, Tansania, Togo, Tschad, Uganda, (Zaire bis 1998), Zentralafrikanische Republik

Asien: Afghanistan, Bangladesch, Bhutan, Jemen, Kambodscha, Laos, Myanmar, Nepal

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Amerika: Haiti

Ozeanien: Kiribati, Samoa, Salomon-Inseln, Tuvalu, Vanuatu

**LDC:** Less Developed Countries (Entwicklungsländer)

Europa: Grönland, Republik Jugoslawien, Malta, Zypern

Afrika: Ägypten, Algerien, Côte d'Ivoire, Demokratische Republik Kongo, Gabun, Ghana, Kamerun, Kenia, Libyen, Marokko, Mauritius, Namibia, Nigeria, Republik Kongo, Senegal, Seychellen, Simbabwe, Swaziland, Tunesien

Asien: Abu Dhabi (VAE), Bahrain, Brunei, Dubai (VAE), Hongkong, Indien, Indonesien, Irak, Iran, Israel, Jordanien, Katar, Korea, Republik, Kuwait, Libanon, Malaysia, Oman, Pakistan, Philippinen, Ra's al Khaymah (VAE), Saudi-Arabien, Sharjah (VAE), Singapur, Sri Lanka, Syrien, Taiwan, Thailand

Nord- und Mittelamerika: Bahamas, Barbados, Belize, Bermudas, Costa Rica, Dominikanische Republik, El Salvador, Guatemala, Honduras, Jamaika, Mexiko, Nicaragua, Panama, Trinidad und Tobago

Südamerika: Argentinien, Bolivien, Brasilien, Chile, Ecuador, Französisch Guyana, Guyana, Kolumbien, Paraguay, Peru, Surinam, Uruguay, Venezuela

Ozeanien: Fidschi, Nauru, Neu-Kaledonien, Papua Neu-Guinea, Tonga, Weihnachtsinsel

**WIC:** Western Industrialized Countries (Westliche Industrialisierte Länder)

Australien, Belgien, Bundesrepublik Deutschland, Dänemark, Finnland, Frankreich, Griechenland, Irland, Island, Italien, Japan, Kanada, Neuseeland, Niederlande, Norwegen, Österreich, Portugal, Republik Südafrika, Schweden, Schweiz, Spanien, Türkei, USA (einschließlich Puerto Rico), Vereinigtes Königreich

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

China, DVR Korea, Kuba, Mongolei, Vietnam

**NRC:** Newly Reformed Countries (Reformstaaten)

Albanien, Armenien, Aserbaidschan, Belarus, Bosnien-Herzegowina, Bulgarien, Estland, Georgien, Kasachstan, Kirgistan, Kroatien, Lettland, Litauen, Mazedonien, Moldau, Polen, Rumänien, Russische Föderation (asiatisch bzw. europäisch nach Anteil getrennt), Slowakische Republik, Slowenien, Tadschikistan, Tschechische Republik, Turkmenistan, Ukraine, Ungarn, Usbekistan

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Abweichend von der UNCTAD-Klassifikation wird das OECD-Mitglied Türkei als "westliches Industrieland" geführt, das Nicht-OECD-Mitglied Israel hingegen als "Entwicklungsland".

Darüber hinaus wurde die Zugehörigkeit der einzelnen Länder zu verschiedenen Wirtschaftsblöcken oder anderen kartellartigen Zusammenschlüssen berücksichtigt, wobei allerdings im Rahmen dieser Publikation aus Platzgründen auf weitere mögliche Differenzierungen im Tabellenteil verzichtet wurde.

## 4.2. Wirtschaftsblöcke oder kartellartige Zusammenschlüsse:

Folgende Wirtschaftsblöcke oder kartellartige Zusammenschlüsse wurden unterschieden (Reihung alphabetisch):

**AKP Länder:** Länder des afrikanischen, karibischen und pazifischen Raumes, die mit der Europäischen Gemeinschaft nach dem Georgetown-Vertrag bzw. dem Abkommen von Lomé zusammengefasst sind.

Afrika: Äquatorialguinea, Äthiopien, Angola, Benin, Botswana, Burkina Faso, Burundi, Côte d'Ivoire, Demokratische Republik Kongo, Dschibuti, Gabun, Gambia, Ghana, Guinea, Guinea-Bissau, Kamerun, Kap Verde, Kenia, Komoren, Lesotho, Liberia, Madagaskar, Malawi, Mali, Mauretanien, Mauritius, Mosambik, Namibia, Niger, Nigeria, Republik Kongo, Ruanda, Sambia, Sao Tome and Principe, Senegal, Seychellen, Sierra Leone, Simbabwe, Somalia, Sudan, Swasiland, Tansania, Togo, Tschad, Uganda, (Zaire bis 1999), Zentralafrikanische Republik

Karibik: Antigua-Barbuda, Bahamas, Barbados, Belize, Dominica, Dominikanische Republik, Grenada, Guyana, Haiti, Jamaika, St. Kitts-Nevis, St. Lucia, St. Vincent-Grenadinen, Trinidad und Tobago

Pazifik: Fidschi, Kiribati, Papua-Neuguinea, Salomon-Inseln, Samoa, Tonga, Tuvalu, Vanuatu

**ALADI:** (Asociación Latino-Americana de Integración)

- most developed: Argentinien, Brasilien, Mexico
- intermediate: Chile, Kolumbien, Peru, Uruguay, Venezuela
- least developed: Bolivien, Ecuador, Paraguay

Länder mit Beobachterstatus:

Costa Rica, Dominikanische Republik, El Salvador, Guatemala, Honduras, Kuba, Nicaragua, Panama, Italien, Portugal und Spanien

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ASEAN-Staaten: (Association of South East Asian Nations)

Brunei, Indonesien, Malaysia, Philippinen, Singapur, Thailand

CIPEC-Länder: (Conseil Intergouvernemental des Pays Exportateurs du Cuivre)

- Vollmitglieder: Chile, Peru, Sambia, Zaire
- assoziierte Mitglieder: Jugoslawien, Papua-Neuguinea

Hinweis: CIPEC wurde 1992 aufgelöst!

EFTA-Länder: (European Free Trade Association)

Finnland (bis 1994), Island, Liechtenstein, Norwegen, Österreich (bis 1994), Schweden (bis 1994), Schweiz

EU-Länder: (Europäische Gemeinschaft)

Belgien, Bundesrepublik Deutschland, Dänemark, Finnland, Frankreich, Griechenland, Irland Republik, Italien, Luxemburg, Niederlande, Österreich, Portugal, Schweden, Spanien, Vereinigtes Königreich einschließlich Nordirland

FRANKEN-Zone: (The Franc Zone [CFA])

Afrika: Äquatorialguinea, Benin, Burkina Faso, Côte d'Ivoire, Gabun, Kamerun, Republik Kongo, Mali, Niger, Senegal, Togo, Tschad, Zentralafrikanische Republik

Europa: Frankreich

G-7: (Gruppe der sieben bedeutendsten Industriestaaten)

Bundesrepublik Deutschland, Frankreich, Italien, Japan, Kanada, Vereinigtes Königreich, Vereinigte Staaten von Amerika

IBA: (International Bauxite Association)

Australien\*), Ghana, Guinea, Guyana, Indien, Indonesien, Jamaika, Rest-Jugoslawien, Sierra Leone, Surinam

\*)Australien trat 1992 aus.

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**NAFTA:** (North American Free Trade Association)

Kanada, Mexico, Vereinigte Staaten von Amerika

Dieser Wirtschaftsblock trat am 1.1.1994 in Kraft.

**OECD:** (Organization for Economic Cooperation and Development) (Jahr des Beitrittes)

Australien (1971), Belgien (1949), Dänemark (1949), Bundesrepublik Deutschland (1949), Finnland (1969), Frankreich (1964), Griechenland (1964), Island (1964), Irland (1964), Italien (1964), Japan (1964), Kanada (1960), Republik Korea (1996), Luxemburg (1964), Mexiko (1994), Niederlande (1996), Neu Seeland (1973), Norwegen (1996), Österreich (1996), Polen (1996), Portugal (1959), Spanien (1959), Schweden (1959), Schweiz (1959), Tschechische Republik (1995), Türkei (1996), Ungarn (1996), USA (1960), Vereinigtes Königreich (1964)

**OPEC:** (Organization of the Petroleum Exporting Countries)

Abu Dhabi (VAE), Algerien, Dubai (VAE), Ecuador (bis 31. Dezember 1992), Gabun (bis 10. Juni 1996), Indonesien, Irak, Iran, Katar, Kuwait, Libyen, Nigeria, Ra's al Khaymah (VAE), Saudi-Arabien, Sharjah (VAE), Venezuela

**RGW / COMECON:** (Rat für gegenseitige Wirtschaftshilfe)

Bulgarien, Deutsche Demokratische Republik, Kuba, Mongolei, Polen, Rumänien, Tschechoslowakei, UdSSR, Ungarn, Vietnam

Dieser Wirtschaftsblock wurde im Juni 1991 aufgelöst.

**SADC:** (Southern African Developing Community)

Angola, Botswana, Lesotho, Malawi, Mauritius, Mosambik, Namibia, Südafrika, Republik (seit 29. August 1994), Tanzania, Sambia, Simbabwe, Swasiland

## 5. Erfassungsmodalität:

Die Erfassung der Rohstoffe erfolgte durch Auswertung von Fragebögen, die an die Nationalkomitees der Weltbergbaukongressmitgliedsländer sowie an andere Institutionen, wie Botschaften, Außenhandelsstellen usw. ausgesendet wurden. Wo darüber hinaus offizielle Bergbaustatistiken verfügbar waren, wurden diese Angaben mitverwertet. Wertvolle Hilfestellungen leisteten dabei Datensammlungen wie jene des British Geological Survey: (World Mineral Statistics) und Mining Annual Review 2003.

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Wo trotz sorgfältigsten Quellenstudiums, trotz vermuteter Rohstoffproduktion, keine Zahlenangaben erhältlich waren, wurden diese Daten geschätzt. Abschließend sei bemerkt, dass die Rechenarbeit zwar automationsunterstützt erfolgte, hinter dem Rechner jedoch Menschen arbeiteten. Für deren Fehler ersuchen wir um Nachsicht. Da die Datenbank laufend aktualisiert wird, sind Korrekturen jederzeit möglich. Für jeden Hinweis sind wir wie immer dankbar. Vorschläge können unter

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eingetragen werden.

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Später einlangende Daten werden im nachfolgenden Band berücksichtigt.



## 6. World Production of Mineral Raw Materials Weltproduktion mineralischer Rohstoffe

### 6.1 Total World Production Weltproduktion-Gesamt

#### 6.1.1 Total Minerals Production by Continents Gesamtproduktion, nach Kontinenten geordnet

(except diamonds and natural gas / ohne Diamanten und Naturgas)  
in metr.t

	1984	1985	1986	1987	1988
Europe	2 425 023 344	2 494 061 587	2 545 684 096	2 559 922 306	2 557 766 267
Asia	2 771 527 155	2 894 568 215	3 064 616 597	3 150 674 581	3 303 486 233
Australia	306 521 877	337 905 355	345 897 831	370 400 918	364 880 256
Africa	489 170 071	529 389 125	539 157 152	544 662 253	552 904 802
South-America	521 654 614	518 934 883	526 164 134	529 350 910	545 942 257
North-America	1 646 746 121	1 597 611 206	1 572 496 398	1 598 961 807	1 643 428 204
Total	8 160 643 181	8 372 470 371	8 594 016 208	8 753 972 774	8 968 408 019
	1989	1990	1991	1992	1993
Europe	2 502 900 523	2 306 323 674	2 013 980 350	1 857 051 608	1 835 460 263
Asia	3 528 861 055	3 391 760 203	3 650 261 439	3 772 914 824	3 842 043 189
Australia	393 757 257	412 532 157	425 114 819	431 346 606	435 139 958
Africa	580 003 993	610 736 239	622 734 281	610 917 693	615 121 959
South-America	562 685 160	584 201 730	605 856 886	610 155 043	624 112 488
North-America	1 643 608 513	1 668 098 400	1 638 356 731	1 620 678 324	1 578 954 757
Total	9 211 816 501	8 973 652 403	8 956 304 505	8 903 064 098	8 930 832 613
	1994	1995	1996	1997	1998
Europe	1 739 341 156	1 742 559 832	1 701 466 854	1 727 777 133	1 674 961 145
Asia	3 706 539 584	3 930 993 667	3 992 531 440	4 054 568 525	4 010 938 982
Australia	454 808 265	464 236 634	452 636 394	489 236 671	552 605 727
Africa	627 881 171	645 118 991	653 569 073	673 453 185	657 497 199
South-America	661 933 818	695 626 538	757 057 077	788 963 083	809 333 364
North-America	1 668 426 141	1 725 688 842	1 771 957 473	1 805 341 027	1 805 978 386
Total	8 858 930 134	9 204 224 503	9 329 218 311	9 539 339 623	9 511 314 803

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

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	1999	2000	2001	2002
Europe	1 616 539 407	1 723 812 485	1 724 062 194	1 718 562 504
Asia	3 774 154 526	3 776 399 856	3 879 451 052	4 212 341 351
Australia	519 934 314	540 780 054	633 831 399	642 658 046
Africa	676 354 231	685 138 122	680 336 263	672 450 413
South-America	860 239 003	929 623 577	927 598 390	642 658 046
North-America	1 819 294 255	1 810 501 250	1 831 341 979	1 742 440 891
Total	9 266 515 736	9 466 255 345	9 676 621 276	9 931 452 398

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## 6.1.2 Total Minerals Production by Country Groups Gesamtproduktion nach Ländergruppen geordnet

(except diamonds and natural gas / ohne Diamanten und Naturgas)  
in metr.t

	1984	1985	1986	1987	1988
DC	1 817 395 643	1 849 540 364	1 958 551 954	1 993 804 585	2 134 631 291
LDC	31 343 568	30 665 458	34 985 443	40 881 361	50 370 849
WIC	2 852 879 894	2 907 033 521	2 911 640 994	2 949 165 928	2 981 811 678
CPE	3 459 024 076	3 585 231 028	3 688 837 816	3 770 120 900	3 801 594 201
NRC	0	0	0	0	0
Total	8 160 643 181	8 372 470 371	8 594 016 208	8 753 972 774	8 968 408 019
	1989	1990	1991	1992	1993
DC	2 284 859 832	2 204 531 484	2 429 697 191	2 425 838 088	2 503 664 127
LDC	56 692 058	56 279 767	68 265 200	67 897 683	67 598 878
WIC	3 021 825 601	3 048 622 656	3 211 283 727	3 167 379 441	3 096 268 545
CPE	3 848 439 010	3 664 218 496	3 240 129 680	1 496 159 097	1 704 564 493
NRC	0	0	6 928 707	1 745 789 789	1 558 736 570
Total	9 211 816 501	8 973 652 403	8 956 304 505	8 903 064 098	8 930 832 613
	1994	1995	1996	1997	1998
DC	2 548 904 597	2 602 353 509	2 703 799 333	2 829 755 315	2 851 576 491
LDC	75 707 427	81 105 088	83 511 059	89 820 692	88 220 477
WIC	3 222 955 723	3 305 442 562	3 343 819 694	3 416 341 322	3 492 353 630
CPE	1 586 654 156	1 796 211 880	1 862 644 286	1 839 986 561	1 782 385 898
NRC	1 424 708 232	1 419 111 464	1 335 443 939	1 363 435 734	1 296 778 307
Total	8 858 930 134	9 204 224 503	9 329 218 311	9 539 339 623	9 511 314 803
	1999	2000	2001	2002	
DC	2 893 028 719	3 126 496 657	3 093 288 912	3 134 570 541	
LDC	91 084 060	51 339 882	50 947 465	51 421 151	
WIC	3 443 946 404	3 454 130 961	3 553 618 699	3 478 600 477	
CPE	1 547 442 302	1 502 261 266	1 609 832 382	1 908 120 581	
NRC	1 291 014 252	1 332 026 579	1 368 933 818	1 358 739 649	
Total	9 266 515 736	9 466 255 345	9 676 621 276	9 931 452 398	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

### 6.1.3 Total Minerals Production by Groups of Minerals Gesamtproduktion, nach Rohstoffgruppen geordnet

(except diamonds and natural gas / ohne Diamanten und Naturgas)  
in metr.t

	1984	1985	1986	1987	1988
Iron, Ferro-Alloy Met.	463 901 129	515 188 496	523 077 044	537 378 924	552 886 595
Non Ferrous Metals	126 500 591	117 070 794	126 625 097	134 295 913	137 732 594
Precious Metals	14 077	15 018	15 156	16 078	16 847
Industrial Minerals	475 149 698	501 136 443	497 562 875	515 988 028	531 017 866
Mineral Fuels	7 095 077 686	7 239 059 620	7 446 736 036	7 566 293 831	7 746 754 117
<b>Total</b>	<b>8 160 643 181</b>	<b>8 372 470 371</b>	<b>8 594 016 208</b>	<b>8 753 972 774</b>	<b>8 968 408 019</b>
	1989	1990	1991	1992	1993
Iron, Ferro-Alloy Met.	569 058 984	559 161 062	564 079 198	528 881 375	513 884 516
Non Ferrous Metals	146 130 097	147 632 254	151 398 310	145 012 126	147 571 844
Precious Metals	17 897	18 043	17 593	17 386	16 999
Industrial Minerals	532 309 209	530 796 832	511 309 609	508 187 863	478 853 348
Mineral Fuels	7 964 300 314	7 825 969 912	7 729 499 795	7 720 965 348	7 790 505 906
<b>Total</b>	<b>9 211 816 501</b>	<b>9 063 578 103</b>	<b>8 956 304 505</b>	<b>8 903 064 098</b>	<b>8 930 832 613</b>
	1994	1995	1996	1997	1998
Iron, Ferro-Alloy Met.	542 262 323	574 307 588	570 198 383	587 992 613	581 657 264
Non Ferrous Metals	147 852 713	147 030 125	150 013 472	167 863 574	172 805 529
Precious Metals	16 371	17 296	17 604	17 939	19 356
Industrial Minerals	494 825 874	503 189 447	519 643 614	528 634 613	520 830 227
Mineral Fuels	7 673 972 853	7 979 680 047	8 089 345 238	8 254 830 884	8 236 002 427
<b>Total</b>	<b>8 858 930 134</b>	<b>9 204 224 503</b>	<b>9 329 218 311</b>	<b>9 539 339 623</b>	<b>9 511 314 803</b>
	1999	2000	2001	2002	
Iron, Ferro-Alloy Met.	648 158 816	698 291 194	749 365 639	771 766 910	
Non Ferrous Metals	175 103 118	183 720 972	183 049 061	189 355 999	
Precious Metals	20 002	21 106	21 536	21 499	
Industrial Minerals	539 528 106	545 295 966	538 070 153	541 857 431	
Mineral Fuels	7 903 705 694	8 038 926 107	8 206 114 887	8 428 450 559	
<b>Total</b>	<b>9 266 515 736</b>	<b>9 466 255 345</b>	<b>9 676 621 276</b>	<b>9 931 452 398</b>	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## 6.2 World Production of Mineral Raw Materials Weltproduktion mineralischer Rohstoffe

### 6.2.1 by Mineral Raw Materials / nach Rohstoffen geordnet

#### 6.2.1.1 Iron and Ferro-Alloy Metals / Eisen und Stahlveredler

Minerals	1998	1999	2000	2001	2002	Change 02/98 in %
	in metr.t					
Iron	560 158 666	626 561 911	676 137 547	726 276 724	747 080 119	33.37
Chromium	5 694 826	5 846 970	5 412 552	5 148 318	5 744 348	0.87
Cobalt	18 919	21 333	24 586	29 017	29 180	54.24
Manganese	9 504 678	9 607 711	10 387 004	10 934 281	11 776 170	23.90
Molybdenum	142 095	142 450	144 595	159 405	148 584	4.57
Nickel	1 063 242	1 037 616	1 085 393	1 154 026	1 100 971	3.55
Tant.-Columb.	52 322	45 763	44 943	37 903	30 960	-40.83
Titanium	4 953 973	4 818 459	4 965 008	5 523 447	5 748 619	16.04
Tungsten	31 884	39 391	51 852	64 118	73 459	130.39
Vanadium	36 659	37 212	37 714	38 400	34 500	-5.89

#### 6.2.1.2 Non Ferrous Metals / Nichteisenmetalle

Minerals	1998	1999	2000	2001	2002	Change 02/98 in %
	in metr.t					
Aluminium	21 692 780	21 736 086	23 241 451	23 173 746	24 700 467	13.86
Antimony	101 309	101 757	109 798	108 753	78 531	-22.48
Arsenic	36 261	37 722	38 473	40 997	41 467	14.36
Bauxite	127 534 418	129 395 586	135 324 804	133 582 544	138 118 181	8.30
Bismuth	3 502	4 038	4 858	5 438	5 357	52.97
Cadmium	16 871	16 953	16 622	16 479	14 636	-13.25
Copper	12 284 664	12 270 010	13 336 209	13 810 454	13 781 426	12.18
Gallium	13	15	16	22	25	92.31
Germanium	39	37	41	38	39	0.00
Lead	3 207 017	3 341 815	3 002 395	3 086 428	2 943 168	-8.23
Lithium	24 169	23 528	25 073	23 077	25 292	4.65
Mercury	2 129	1 682	1 417	1 694	2 513	18.04
Rare Earths	65 003	79 392	81 651	83 720	83 750	28.84
Tellurium	210	203	220	197	187	-10.95
Tin	206 003	229 744	250 125	233 818	229 741	11.52
Zinc	7 631 141	7 864 550	8 287 819	8 881 656	9 331 219	22.28

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

### 6.2.1.3 Precious Metals / Edelmetalle

Minerals	1998	1999	2000	2001	2002	Change 02/98 in %
	in kg					
Gold	2 453 606	2 578 491	2 573 580	2 577 739	2 512 168	2.39
Silver	16 662 757	17 146 732	18 260 519	18 764 438	18 763 049	12.60
Platinum	239 982	277 001	272 194	193 721	223 986	-6.67

### 6.2.1.4 Industrial Minerals / Industrieminerale

Minerals	1998	1999	2000	2001	2002	Change 02/98 in %
	in metr.t (Diamonds: carats)					
Asbestos	1 862 984	1 888 607	2 072 833	1 952 023	2 073 566	11.30
Baryte	6 860 131	6 041 090	6 385 594	7 187 770	7 592 569	10.68
Bentonite	10 346 378	10 855 489	9 988 800	10 476 815	9 864 710	-4.66
Boron	3 475 700	3 239 108	3 843 601	3 655 413	3 379 809	-2.76
Diamonds :						
Gem-	54 027 492	55 807 983	55 713 370	69 044 963	76 087 787	40.83
Ind.	67 035 842	61 424 137	55 789 013	68 917 036	75 220 543	12.21
Diatomite	1 126 674	1 169 412	1 088 104	1 065 439	984 737	-12.60
Feldspar	8 706 958	9 063 873	8 687 340	9 070 096	8 956 004	2.86
Fluorspar	4 777 495	4 589 249	4 412 614	4 498 543	4 381 355	-8.29
Graphite	678 946	602 209	604 564	593 465	595 598	-12.28
Gypsum	93 028 005	100 545 351	102 231 690	93 069 810	98 617 656	6.01
Guano	835	790	777	760	746	-10.66
Kaolin	26 377 257	26 995 907	26 728 771	26 928 944	25 789 539	-2.23
Magnesite	11 900 190	11 349 010	12 350 120	13 889 443	11 625 387	-2.31
Phosphate	84 591 183	82 713 544	81 315 795	85 148 549	87 146 271	3.02
Perlite	2 062 464	2 261 347	2 230 293	2 194 082	2 259 240	9.54
Potash	26 560 504	25 402 640	25 376 860	24 764 836	25 599 163	-3.62
Salt	187 286 033	202 548 954	207 826 625	205 405 208	203 916 123	8.88
Sulfur	40 715 224	40 031 175	40 485 073	39 388 864	40 360 672	-0.87
Talc	9 098 983	8 928 104	8 181 404	7 379 287	7 281 496	-19.97
Vermiculite	541 412	561 164	560 056	416 806	405 590	-25.09
Zirconium	832 871	741 083	925 052	984 000	1 027 200	23.33

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## 6.2.1.5 Mineral Fuels / Energierohstoffe

Minerals	1998	1999	2000	2001	2002	Change 02/98 in %
	in metr.t (Natural Gas: Mio m <sup>3</sup> )					
Hard Coal	3 835 406 558	3 622 073 181	3 572 188 320	3 787 502 896	3 996 544 387	4.20
Lignite	862 739 681	854 298 425	856 584 254	882 192 396	899 999 339	4.32
Coal	4 698 146 239	4 476 371 606	4 428 772 574	4 669 695 292	4 896 543 726	4.22
Uranium	38 114	37 103	38 727	44 227	44 436	16.59
Oil	3 522 980 285	3 413 128 674	3 596 042 470	3 522 396 160	3 519 444 720	-0.10
Nat. Gas	2 349 926	2 383 226	2 377 368	2 378 250	2 456 866	4.55
Oilshales	14 837 789	14 168 311	14 072 336	13 979 208	12 417 677	-16.31



**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



## 6.3 World Production of Mineral Raw Materials, by Country Groups and Economic Blocks Weltproduktion mineralischer Rohstoffe, nach Ländergruppen und Wirtschaftsblöcken geordnet

### 6.3.1 Iron and Ferro-Alloy Metals / Eisen und Stahlveredler

#### Iron

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	204 381 114	269 876 497	292 903 736	294 655 815	323 240 727
LDC	6 726 200	6 604 000	6 500 000	6 700 000	6 125 600
WIC	198 754 792	195 271 736	210 847 992	259 864 721	278 055 069
CPE	70 700 000	70 500 000	74 848 000	78 000 000	57 300 000
NCR	79 596 560	84 309 678	91 037 819	87 056 188	82 358 723
Total	560 158 666	626 561 911	676 137 547	726 276 724	747 080 119
of them:					
ACP	7 019 153	7 031 190	6 835 382	6 980 540	6 383 600
ASEAN	775 078	769 195	677 572	684 646	669 635
COMECON	0	0	0	0	0
EC	14 648 315	13 414 009	15 063 444	11 878 949	13 596 829
EFTA	409 200	338 000	458 000	381 000	476 000
G7	61 786 676	57 231 900	61 546 428	37 487 817	51 440 596
NAFTA	66 767 406	62 624 044	66 907 325	41 636 822	56 152 532
OECD	184 176 619	181 788 546	194 374 530	241 460 576	259 112 801
SADC	20 001 953	19 538 536	22 180 169	22 836 540	23 909 610
	in %	in %	in %	in %	in %
DC	36.49	43.07	43.32	40.57	43.27
LDC	1.20	1.05	0.96	0.92	0.82
WIC	35.48	31.17	31.18	35.78	37.22
CPE	12.62	11.25	11.07	10.74	7.67
NRC	14.21	13.46	13.46	11.99	11.02
Total	100.00	100.00	100.00	100.00	100.00
of them:					
ACP	1.25	1.12	1.01	0.96	0.85
ASEAN	0.14	0.12	0.10	0.09	0.09
COMECON	0.00	0.00	0.00	0.00	0.00
EC	2.62	2.14	2.23	1.64	1.82
EFTA	0.07	0.05	0.07	0.05	0.06
G7	11.03	9.13	9.10	5.16	6.89
NAFTA	11.92	9.99	9.90	5.73	7.52
OECD	32.88	29.01	28.75	33.25	34.68
SADC	3.57	3.12	3.28	3.14	3.20

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Chromium

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	1 151 896	1 162 300	1 119 928	1 166 096	1 199 310
LDC	49 583	45 424	94 272	101 235	117 440
WIC	3 643 847	3 682 609	3 336 407	2 874 022	3 276 498
CPE	89 000	84 800	83 400	82 711	81 000
NCR	760 500	871 837	778 545	924 254	1 070 100
<b>Total</b>	<b>5 694 826</b>	<b>5 846 970</b>	<b>5 412 552</b>	<b>5 148 318</b>	<b>5 744 348</b>
of them:					
ACP	320 395	337 490	392 439	449 690	451 803
ASEAN	12 188	17 531	19 000	20 000	4 744
COMECON	0	0	0	0	0
EC	250 950	248 149	192 870	288 343	283 770
EFTA	0	0	0	0	0
G7	1 500	1 300	1 200	1 100	1 000
NAFTA	0	0	0	0	0
OECD	857 447	683 107	423 275	453 142	444 770
SADC	3 058 832	3 293 568	3 213 751	2 771 970	3 168 931
	in %	in %	in %	in %	in %
DC	20.23	19.88	20.69	22.65	20.88
LDC	0.87	0.78	1.74	1.97	2.04
WIC	63.99	62.98	61.64	55.82	57.04
CPE	1.56	1.45	1.54	1.61	1.41
NRC	13.35	14.91	14.38	17.95	18.63
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	5.63	5.77	7.25	8.73	7.87
ASEAN	0.21	0.30	0.35	0.39	0.08
COMECON	0.00	0.00	0.00	0.00	0.00
EC	4.41	4.24	3.56	5.60	4.94
EFTA	0.00	0.00	0.00	0.00	0.00
G7	0.03	0.02	0.02	0.02	0.02
NAFTA	0.00	0.00	0.00	0.00	0.00
OECD	15.06	11.68	7.82	8.80	7.74
SADC	53.71	56.33	59.38	53.84	55.17

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Cobalt

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	387	3 385	5 083	5 543	3 999
LDC	8 312	4 131	3 321	4 845	6 572
WIC	4 620	6 421	8 125	8 319	8 377
CPE	2 100	3 796	4 277	5 110	5 842
NCR	3 500	3 600	3 780	5 200	4 390
<b>Total</b>	<b>18 919</b>	<b>21 333</b>	<b>24 586</b>	<b>29 017</b>	<b>29 180</b>
of them:					
ACP	8 412	4 260	3 400	4 940	6 672
ASEAN	0	0	0	0	0
COMECON	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	2 324	2 015	2 013	2 048	2 027
NAFTA	2 324	2 015	2 013	2 048	2 027
OECD	4 324	6 115	7 713	7 948	8 027
SADC	4 764	4 566	3 812	5 311	7 022
	in %	in %	in %	in %	in %
DC	2.05	15.87	20.67	19.10	13.70
LDC	43.93	19.36	13.51	16.70	22.52
WIC	24.42	30.10	33.05	28.67	28.71
CPE	11.10	17.79	17.40	17.61	20.02
NRC	18.50	16.88	15.37	17.92	15.04
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	44.46	19.97	13.83	17.02	22.86
ASEAN	0.00	0.00	0.00	0.00	0.00
COMECON	0.00	0.00	0.00	0.00	0.00
EC	0.00	0.00	0.00	0.00	0.00
EFTA	0.00	0.00	0.00	0.00	0.00
G7	12.28	9.45	8.19	7.06	6.95
NAFTA	12.28	9.45	8.19	7.06	6.95
OECD	22.86	28.66	31.37	27.39	27.51
SADC	25.18	21.40	15.50	18.30	24.06

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Manganese

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	2 934 945	2 844 310	3 088 217	3 101 521	3 426 286
LDC	0	0	0	0	0
WIC	2 941 742	2 845 429	3 090 918	2 838 110	2 842 484
CPE	2 000 000	2 400 000	2 800 000	3 000 000	3 500 000
NCR	1 627 991	1 517 972	1 407 869	1 994 650	2 007 400
<b>Total</b>	<b>9 504 678</b>	<b>9 607 711</b>	<b>10 387 004</b>	<b>10 934 281</b>	<b>11 776 170</b>
of them:					
ACP	1 173 749	1 361 440	1 485 136	1 551 332	1 779 331
ASEAN	25 257	39 253	26 425	26 045	25 800
COMECON	0	0	0	0	0
EC	2 822	1 972	1 330	1 070	960
EFTA	0	0	0	0	0
G7	924	972	1 000	980	960
NAFTA	187 103	169 107	156 117	99 751	88 356
OECD	1 828 625	1 683 139	1 647 447	1 500 821	1 469 316
SADC	1 338 920	1 371 457	1 626 588	1 463 040	1 486 524
	in %	in %	in %	in %	in %
DC	30.88	29.60	29.73	28.37	29.10
LDC	0.00	0.00	0.00	0.00	0.00
WIC	30.95	29.62	29.76	25.96	24.14
CPE	21.04	24.98	26.96	27.44	29.72
NRC	17.13	15.80	13.55	18.24	17.05
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	12.35	14.17	14.30	14.19	15.11
ASEAN	0.27	0.41	0.25	0.24	0.22
COMECON	0.00	0.00	0.00	0.00	0.00
EC	0.03	0.02	0.01	0.01	0.01
EFTA	0.00	0.00	0.00	0.00	0.00
G7	0.01	0.01	0.01	0.01	0.01
NAFTA	1.97	1.76	1.50	0.91	0.75
OECD	19.24	17.52	15.86	13.73	12.48
SADC	14.09	14.27	15.66	13.38	12.62

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Molybdenum

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	38 689	45 242	50 726	52 524	45 299
LDC	0	0	0	0	0
WIC	61 063	46 945	38 483	46 140	40 121
CPE	38 993	46 453	49 336	54 086	55 834
NCR	3 350	3 810	6 050	6 655	7 330
<b>Total</b>	<b>142 095</b>	<b>142 450</b>	<b>144 595</b>	<b>159 405</b>	<b>148 584</b>
of them:					
ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
COMECON	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	61 063	46 945	38 483	46 140	40 121
NAFTA	67 011	54 906	45 369	51 658	43 549
OECD	67 011	54 906	45 369	51 658	43 549
SADC	0	0	0	0	0
	in %	in %	in %	in %	in %
DC	27.23	31.76	35.08	32.95	30.49
LDC	0.00	0.00	0.00	0.00	0.00
WIC	42.97	32.96	26.61	28.95	27.00
CPE	27.44	32.61	34.12	33.93	37.58
NRC	2.36	2.67	4.18	4.17	4.93
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.00	0.00	0.00	0.00	0.00
ASEAN	0.00	0.00	0.00	0.00	0.00
COMECON	0.00	0.00	0.00	0.00	0.00
EC	0.00	0.00	0.00	0.00	0.00
EFTA	0.00	0.00	0.00	0.00	0.00
G7	42.97	32.96	26.61	28.95	27.00
NAFTA	47.16	38.54	31.38	32.41	29.31
OECD	47.16	38.54	31.38	32.41	29.31
SADC	0.00	0.00	0.00	0.00	0.00

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Nickel

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	282 398	270 547	301 902	321 210	275 691
LDC	15 593	15 820	22 898	22 115	23 972
WIC	391 651	377 149	405 993	441 601	431 208
CPE	115 800	112 000	119 500	124 100	130 000
NCR	257 800	262 100	235 100	245 000	240 100
Total	1 063 242	1 037 616	1 085 393	1 154 026	1 100 971

of them:

ACP	50 928	50 414	57 870	51 994	53 064
ASEAN	67 573	65 343	77 780	90 673	96 000
COMECON	0	0	0	0	0
EC	16 789	14 483	19 042	19 702	22 122
EFTA	2 964	2 715	2 287	2 499	1 540
G7	205 198	176 749	181 027	184 000	178 000
NAFTA	205 198	176 749	181 027	184 000	178 000
OECD	354 951	340 947	369 356	405 201	392 662
SADC	62 428	61 616	66 657	66 615	70 610

	in %	in %	in %	in %	in %
DC	26.56	26.07	27.81	27.83	25.04
LDC	1.47	1.52	2.11	1.92	2.18
WIC	36.84	36.35	37.41	38.27	39.17
CPE	10.89	10.79	11.01	10.75	11.81
NRC	24.25	25.26	21.66	21.23	21.81
Total	100.00	100.00	100.00	100.00	100.00

of them:

ACP	4.79	4.86	5.33	4.51	4.82
ASEAN	6.36	6.30	7.17	7.86	8.72
COMECON	0.00	0.00	0.00	0.00	0.00
EC	1.58	1.40	1.75	1.71	2.01
EFTA	0.28	0.26	0.21	0.22	0.14
G7	19.30	17.03	16.68	15.94	16.17
NAFTA	19.30	17.03	16.68	15.94	16.17
OECD	33.38	32.86	34.03	35.11	35.67
SADC	5.87	5.94	6.14	5.77	6.41

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Tantalum-Columbium

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	49 504	42 734	42 034	35 033	27 040
LDC	318	330	340	330	170
WIC	2 500	2 699	2 569	2 540	3 750
CPE	0	0	0	0	0
NCR	0	0	0	0	0
<b>Total</b>	<b>52 322</b>	<b>45 763</b>	<b>44 943</b>	<b>37 903</b>	<b>30 960</b>
of them:					
ACP	336	349	360	351	199
ASEAN	0	0	0	0	0
COMECON	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	2 200	2 379	2 239	2 200	3 400
NAFTA	2 200	2 379	2 239	2 200	3 400
OECD	2 500	2 699	2 569	2 540	3 750
SADC	0	0	0	0	0
	in %	in %	in %	in %	in %
DC	94.61	93.38	93.53	92.43	87.34
LDC	0.61	0.72	0.76	0.87	0.55
WIC	4.78	5.90	5.72	6.70	12.11
CPE	0.00	0.00	0.00	0.00	0.00
NRC	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.64	0.76	0.80	0.93	0.64
ASEAN	0.00	0.00	0.00	0.00	0.00
COMECON	0.00	0.00	0.00	0.00	0.00
EC	0.00	0.00	0.00	0.00	0.00
EFTA	0.00	0.00	0.00	0.00	0.00
G7	4.20	5.20	4.98	5.80	10.98
NAFTA	4.20	5.20	4.98	5.80	10.98
OECD	4.78	5.90	5.72	6.70	12.11
SADC	0.00	0.00	0.00	0.00	0.00

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Titanium

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	400 649	415 550	416 000	406 736	462 300
LDC	184 790	190 000	192 000	195 000	196 000
WIC	3 929 984	3 727 909	3 980 708	4 574 211	4 747 019
CPE	154 550	199 500	210 000	221 000	227 000
NCR	284 000	285 500	166 300	126 500	116 300
<b>Total</b>	<b>4 953 973</b>	<b>4 818 459</b>	<b>4 965 008</b>	<b>5 523 447</b>	<b>5 748 619</b>
of them:					
ACP	184 790	190 000	192 000	195 000	196 000
ASEAN	65 000	63 000	61 000	60 000	59 000
COMECON	0	0	0	0	0
EC	0	0	0	0	0
EFTA	261 134	256 889	306 281	344 211	367 019
G7	1 030 000	920 000	900 000	850 000	930 000
NAFTA	1 030 000	920 000	900 000	850 000	930 000
OECD	2 829 984	2 527 909	2 585 831	3 174 211	3 297 019
SADC	1 100 000	1 200 000	1 394 877	1 400 000	1 450 000
	in %	in %	in %	in %	in %
DC	8.09	8.62	8.38	7.36	8.04
LDC	3.73	3.94	3.87	3.53	3.41
WIC	79.33	77.37	80.18	82.81	82.58
CPE	3.12	4.14	4.23	4.00	3.95
NRC	5.73	5.93	3.35	2.29	2.02
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	3.73	3.94	3.87	3.53	3.41
ASEAN	1.31	1.31	1.23	1.09	1.03
COMECON	0.00	0.00	0.00	0.00	0.00
EC	0.00	0.00	0.00	0.00	0.00
EFTA	5.27	5.33	6.17	6.23	6.38
G7	20.79	19.09	18.13	15.39	16.18
NAFTA	20.79	19.09	18.13	15.39	16.18
OECD	57.13	52.46	52.08	57.47	57.35
SADC	22.20	24.90	28.09	25.35	25.22

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



## Tungsten

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	894	485	535	647	673
LDC	91	112	112	114	261
WIC	3 349	2 564	2 825	2 764	2 935
CPE	24 400	32 350	44 330	56 363	65 280
NCR	3 150	3 880	4 050	4 230	4 310
<b>Total</b>	<b>31 884</b>	<b>39 391</b>	<b>51 852</b>	<b>64 118</b>	<b>73 459</b>
of them:					
ACP	82	105	110	113	260
ASEAN	61	54	54	92	53
COMECON	0	0	0	0	0
EC	3 249	2 564	2 825	2 764	2 935
EFTA	0	0	0	0	0
G7	100	0	0	0	0
NAFTA	230	10	0	0	0
OECD	3 479	2 574	2 825	2 764	2 935
SADC	0	0	0	0	0
	in %	in %	in %	in %	in %
DC	2.80	1.23	1.03	1.01	0.92
LDC	0.29	0.28	0.22	0.18	0.36
WIC	10.50	6.51	5.45	4.31	4.00
CPE	76.53	82.13	85.49	87.91	88.87
NRC	9.88	9.85	7.81	6.60	5.87
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.26	0.27	0.21	0.18	0.35
ASEAN	0.19	0.14	0.10	0.14	0.07
COMECON	0.00	0.00	0.00	0.00	0.00
EC	10.19	6.51	5.45	4.31	4.00
EFTA	0.00	0.00	0.00	0.00	0.00
G7	0.31	0.00	0.00	0.00	0.00
NAFTA	0.72	0.03	0.00	0.00	0.00
OECD	10.91	6.53	5.45	4.31	4.00
SADC	0.00	0.00	0.00	0.00	0.00

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Vanadium

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	0	0	0	0	0
LDC	0	0	0	0	0
WIC	19 159	19 412	19 914	20 400	20 600
CPE	7 500	7 800	8 000	8 500	9 000
NCR	10 000	10 000	9 800	9 500	4 900
<b>Total</b>	<b>36 659</b>	<b>37 212</b>	<b>37 714</b>	<b>38 400</b>	<b>34 500</b>
of them:					
ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
COMECON	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	2 000	1 800	1 893	1 900	2 000
NAFTA	2 000	1 800	1 893	1 900	2 000
OECD	2 000	1 800	1 893	1 900	2 000
SADC	17 159	17 612	18 021	18 500	18 600
	in %	in %	in %	in %	in %
DC	0.00	0.00	0.00	0.00	0.00
LDC	0.00	0.00	0.00	0.00	0.00
WIC	52.26	52.17	52.80	53.13	59.71
CPE	20.46	20.96	21.21	22.14	26.09
NRC	27.28	26.87	25.99	24.74	14.20
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.00	0.00	0.00	0.00	0.00
ASEAN	0.00	0.00	0.00	0.00	0.00
COMECON	0.00	0.00	0.00	0.00	0.00
EC	0.00	0.00	0.00	0.00	0.00
EFTA	0.00	0.00	0.00	0.00	0.00
G7	5.46	4.84	5.02	4.95	5.80
NAFTA	5.46	4.84	5.02	4.95	5.80
OECD	5.46	4.84	5.02	4.95	5.80
SADC	46.81	47.33	47.78	48.18	53.91

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## 6.3.2 Non-Ferrous Metals / Nichteisenmetalle

### Aluminium

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	3 703 851	3 821 813	3 877 617	3 676 479	3 858 353
LDC	0	0	0	0	0
WIC	12 429 934	12 955 945	12 906 239	12 229 285	12 515 108
CPE	2 435 300	1 620 000	2 830 000	3 424 600	4 400 000
NCR	3 123 695	3 338 328	3 627 595	3 843 382	3 927 006
<b>Total</b>	<b>21 692 780</b>	<b>21 736 086</b>	<b>23 241 451</b>	<b>23 173 746</b>	<b>24 700 467</b>
of them:					
ACP	165 200	185 000	188 000	189 000	190 000
ASEAN	0	0	0	0	0
COMECON	0	0	0	0	0
EC	2 358 082	2 704 782	2 726 851	2 756 759	2 748 580
EFTA	1 210 960	1 255 833	1 291 221	1 387 526	1 463 528
G7	7 584 472	7 989 681	7 916 644	7 128 778	7 317 318
NAFTA	6 086 790	6 168 000	6 041 000	5 220 000	5 409 000
OECD	11 830 634	12 347 465	12 232 072	11 566 285	11 851 108
SADC	692 500	689 230	674 167	663 000	664 000
	in %	in %	in %	in %	in %
DC	17.07	17.58	16.68	15.86	15.62
LDC	0.00	0.00	0.00	0.00	0.00
WIC	57.30	59.61	55.53	52.77	50.67
CPE	11.23	7.45	12.18	14.78	17.81
NRC	14.40	15.36	15.61	16.59	15.90
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.76	0.85	0.81	0.82	0.77
ASEAN	0.00	0.00	0.00	0.00	0.00
COMECON	0.00	0.00	0.00	0.00	0.00
EC	10.87	12.44	11.73	11.90	11.13
EFTA	5.58	5.78	5.56	5.99	5.93
G7	34.96	36.76	34.06	30.76	29.62
NAFTA	28.06	28.38	25.99	22.53	21.90
OECD	54.54	56.81	52.63	49.91	47.98
SADC	3.19	3.17	2.90	2.86	2.69

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Antimony

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	7 592	4 003	2 742	2 467	2 714
LDC	0	0	0	0	0
WIC	7 424	8 434	9 351	6 886	6 493
CPE	80 000	83 000	90 000	92 400	62 400
NCR	6 293	6 320	7 705	7 000	6 924
<b>Total</b>	<b>101 309</b>	<b>101 757</b>	<b>109 798</b>	<b>108 753</b>	<b>78 531</b>
of them:					
ACP	0	0	0	0	0
ASEAN	442	130	77	40	3
COMECON	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	796	806	704	534	433
NAFTA	2 097	1 079	756	615	588
OECD	4 482	3 429	3 056	2 095	1 948
SADC	4 243	5 278	6 347	4 872	4 700
	in %	in %	in %	in %	in %
DC	7.49	3.93	2.50	2.27	3.46
LDC	0.00	0.00	0.00	0.00	0.00
WIC	7.33	8.29	8.52	6.33	8.27
CPE	78.97	81.57	81.97	84.96	79.46
NRC	6.21	6.21	7.02	6.44	8.82
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.00	0.00	0.00	0.00	0.00
ASEAN	0.44	0.13	0.07	0.04	0.00
COMECON	0.00	0.00	0.00	0.00	0.00
EC	0.00	0.00	0.00	0.00	0.00
EFTA	0.00	0.00	0.00	0.00	0.00
G7	0.79	0.79	0.64	0.49	0.55
NAFTA	2.07	1.06	0.69	0.57	0.75
OECD	4.42	3.37	2.78	1.93	2.48
SADC	4.19	5.19	5.78	4.48	5.98

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Arsenic

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	16 361	17 742	18 173	19 807	19 847
LDC	0	0	0	0	0
WIC	400	380	350	340	330
CPE	17 000	17 500	18 000	19 000	19 500
NCR	2 500	2 100	1 950	1 850	1 790
<b>Total</b>	<b>36 261</b>	<b>37 722</b>	<b>38 473</b>	<b>40 997</b>	<b>41 467</b>
of them:					
ACP	175	0	0	685	880
ASEAN	1 000	900	800	850	900
COMECON	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	400	380	350	340	330
NAFTA	2 573	2 419	2 522	2 381	1 946
OECD	2 973	2 799	2 872	2 721	2 276
SADC	175	0	0	685	880
	in %	in %	in %	in %	in %
DC	45.12	47.03	47.24	48.31	47.86
LDC	0.00	0.00	0.00	0.00	0.00
WIC	1.10	1.01	0.91	0.83	0.80
CPE	46.88	46.39	46.79	46.34	47.03
NRC	6.89	5.57	5.07	4.51	4.32
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.48	0.00	0.00	1.67	2.12
ASEAN	2.76	2.39	2.08	2.07	2.17
COMECON	0.00	0.00	0.00	0.00	0.00
EC	0.00	0.00	0.00	0.00	0.00
EFTA	0.00	0.00	0.00	0.00	0.00
G7	1.10	1.01	0.91	0.83	0.80
NAFTA	7.10	6.41	6.56	5.81	4.69
OECD	8.20	7.42	7.46	6.64	5.49
SADC	0.48	0.00	0.00	1.67	2.12

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Bauxite

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	45 811 249	41 606 537	42 595 977	42 882 349	48 142 695
LDC	17 006 000	17 205 500	18 077 300	17 317 200	17 005 100
WIC	48 499 369	53 122 225	56 101 227	56 379 295	56 703 865
CPE	8 500 000	8 500 000	9 000 000	7 900 000	7 500 000
NCR	7 717 800	8 961 324	9 550 300	9 103 700	8 766 521
<b>Total</b>	<b>127 534 418</b>	<b>129 395 586</b>	<b>135 324 804</b>	<b>133 582 544</b>	<b>138 118 181</b>
of them:					
ACP	36 443 121	35 699 763	36 668 125	36 556 947	36 776 852
ASEAN	1 215 918	1 339 047	1 274 270	1 214 967	1 322 975
COMECON	0	0	0	0	0
EC	1 794 293	1 957 811	2 038 861	2 137 255	2 563 865
EFTA	0	0	0	0	0
G7	80 270	75 306	73 300	90 000	95 000
NAFTA	0	0	0	0	0
OECD	48 959 969	53 596 125	56 101 227	56 379 295	56 703 865
SADC	6 000	5 500	5 300	5 200	5 100
	in %	in %	in %	in %	in %
DC	35.92	32.15	31.48	32.10	34.86
LDC	13.33	13.30	13.36	12.96	12.31
WIC	38.03	41.05	41.46	42.21	41.05
CPE	6.66	6.57	6.65	5.91	5.43
NRC	6.05	6.93	7.06	6.82	6.35
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	28.58	27.59	27.10	27.37	26.63
ASEAN	0.95	1.03	0.94	0.91	0.96
COMECON	0.00	0.00	0.00	0.00	0.00
EC	1.41	1.51	1.51	1.60	1.86
EFTA	0.00	0.00	0.00	0.00	0.00
G7	0.06	0.06	0.05	0.07	0.07
NAFTA	0.00	0.00	0.00	0.00	0.00
OECD	38.39	41.42	41.46	42.21	41.05
SADC	0.00	0.00	0.00	0.00	0.00

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Bismuth

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	2 072	1 253	1 862	2 034	1 698
LDC	0	0	0	0	0
WIC	687	692	702	808	759
CPE	650	2 000	2 200	2 500	2 800
NCR	93	93	94	96	100
<b>Total</b>	<b>3 502</b>	<b>4 038</b>	<b>4 858</b>	<b>5 438</b>	<b>5 357</b>
of them:					
ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
COMECON	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	687	692	702	808	759
NAFTA	1 421	765	1 314	1 648	1 315
OECD	1 891	1 240	1 814	2 198	1 885
SADC	0	0	0	0	0
	in %	in %	in %	in %	in %
DC	59.17	31.03	38.33	37.40	31.70
LDC	0.00	0.00	0.00	0.00	0.00
WIC	19.62	17.14	14.45	14.86	14.17
CPE	18.56	49.53	45.29	45.97	52.27
NRC	2.66	2.30	1.93	1.77	1.87
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.00	0.00	0.00	0.00	0.00
ASEAN	0.00	0.00	0.00	0.00	0.00
COMECON	0.00	0.00	0.00	0.00	0.00
EC	0.00	0.00	0.00	0.00	0.00
EFTA	0.00	0.00	0.00	0.00	0.00
G7	19.62	17.14	14.45	14.86	14.17
NAFTA	40.58	18.95	27.05	30.31	24.55
OECD	54.00	30.71	37.34	40.42	35.19
SADC	0.00	0.00	0.00	0.00	0.00

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Cadmium

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	3 712	4 053	4 146	4 589	4 467
LDC	0	0	0	0	0
WIC	8 230	7 871	8 130	7 153	5 942
CPE	2 104	2 523	2 817	3 229	2 548
NCR	2 825	2 506	1 529	1 508	1 679
<b>Total</b>	<b>16 871</b>	<b>16 953</b>	<b>16 622</b>	<b>16 479</b>	<b>14 636</b>
of them:					
ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
COMECON	0	0	0	0	0
EC	1 761	2 027	1 943	1 614	1 162
EFTA	270	230	200	200	190
G7	6 590	6 249	6 507	5 839	4 947
NAFTA	4 942	4 323	4 282	3 892	2 985
OECD	11 117	11 172	9 427	8 587	7 331
SADC	0	0	0	0	0
	in %	in %	in %	in %	in %
DC	22.00	23.91	24.94	27.85	30.52
LDC	0.00	0.00	0.00	0.00	0.00
WIC	48.78	46.43	48.91	43.41	40.60
CPE	12.47	14.88	16.95	19.59	17.41
NRC	16.74	14.78	9.20	9.15	11.47
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.00	0.00	0.00	0.00	0.00
ASEAN	0.00	0.00	0.00	0.00	0.00
COMECON	0.00	0.00	0.00	0.00	0.00
EC	10.44	11.96	11.69	9.79	7.94
EFTA	1.60	1.36	1.20	1.21	1.30
G7	39.06	36.86	39.15	35.43	33.80
NAFTA	29.29	25.50	25.76	23.62	20.39
OECD	65.89	65.90	56.71	52.11	50.09
SADC	0.00	0.00	0.00	0.00	0.00

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



## Copper

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	5 945 019	6 382 796	7 257 588	7 670 442	7 699 804
LDC	338 905	287 672	293 280	326 580	366 338
WIC	3 781 129	3 071 233	3 083 237	2 948 094	2 930 007
CPE	616 800	651 600	680 200	711 203	684 900
NCR	1 602 811	1 876 709	2 021 904	2 154 135	2 100 377
<b>Total</b>	<b>12 284 664</b>	<b>12 270 010</b>	<b>13 336 209</b>	<b>13 810 454</b>	<b>13 781 426</b>
of them:					
ACP	501 145	484 439	509 703	549 922	589 048
ASEAN	868 288	818 227	1 104 494	1 084 694	1 192 764
COMECON	0	0	0	0	0
EC	234 602	211 149	188 475	196 196	174 118
EFTA	2 700	0	0	0	0
G7	2 649 013	2 184 868	2 214 662	1 971 732	1 717 700
NAFTA	2 992 709	2 523 977	2 552 450	2 320 348	2 031 820
OECD	4 438 895	3 763 217	3 285 236	3 155 554	3 115 238
SADC	479 945	440 602	443 703	487 822	507 322
	in %	in %	in %	in %	in %
DC	48.39	52.02	54.42	55.54	55.87
LDC	2.76	2.34	2.20	2.36	2.66
WIC	30.78	25.03	23.12	21.35	21.26
CPE	5.02	5.31	5.10	5.15	4.97
NRC	13.05	15.30	15.16	15.60	15.24
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	4.08	3.95	3.82	3.98	4.27
ASEAN	7.07	6.67	8.28	7.85	8.65
COMECON	0.00	0.00	0.00	0.00	0.00
EC	1.91	1.72	1.41	1.42	1.26
EFTA	0.02	0.00	0.00	0.00	0.00
G7	21.56	17.81	16.61	14.28	12.46
NAFTA	24.36	20.57	19.14	16.80	14.74
OECD	36.13	30.67	24.63	22.85	22.60
SADC	3.91	3.59	3.33	3.53	3.68

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Gallium

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	0	0	0	0	0
LDC	0	0	0	0	0
WIC	4	3	3	2	2
CPE	6	7	8	15	18
NCR	3	5	5	5	5
<b>Total</b>	<b>13</b>	<b>15</b>	<b>16</b>	<b>22</b>	<b>25</b>
of them:					
ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
COMECON	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	4	3	3	2	2
NAFTA	0	0	0	0	0
OECD	7	8	3	2	2
SADC	0	0	0	0	0
	in %	in %	in %	in %	in %
DC	0.00	0.00	0.00	0.00	0.00
LDC	0.00	0.00	0.00	0.00	0.00
WIC	30.77	20.00	18.75	9.09	8.00
CPE	46.15	46.67	50.00	68.18	72.00
NRC	23.08	33.33	31.25	22.73	20.00
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.00	0.00	0.00	0.00	0.00
ASEAN	0.00	0.00	0.00	0.00	0.00
COMECON	0.00	0.00	0.00	0.00	0.00
EC	0.00	0.00	0.00	0.00	0.00
EFTA	0.00	0.00	0.00	0.00	0.00
G7	30.77	20.00	18.75	9.09	8.00
NAFTA	0.00	0.00	0.00	0.00	0.00
OECD	53.85	53.33	18.75	9.09	8.00
SADC	0.00	0.00	0.00	0.00	0.00

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Germanium

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	0	0	0	0	0
LDC	0	0	0	0	0
WIC	22	20	23	20	20
CPE	10	11	12	13	14
NCR	7	6	6	5	5
<b>Total</b>	<b>39</b>	<b>37</b>	<b>41</b>	<b>38</b>	<b>39</b>
of them:					
ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
COMECON	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	22	20	23	20	20
NAFTA	22	20	23	20	20
OECD	22	20	23	20	20
SADC	0	0	0	0	0
	in %	in %	in %	in %	in %
DC	0.00	0.00	0.00	0.00	0.00
LDC	0.00	0.00	0.00	0.00	0.00
WIC	56.41	54.05	56.10	52.63	51.28
CPE	25.64	29.73	29.27	34.21	35.90
NRC	17.95	16.22	14.63	13.16	12.82
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.00	0.00	0.00	0.00	0.00
ASEAN	0.00	0.00	0.00	0.00	0.00
COMECON	0.00	0.00	0.00	0.00	0.00
EC	0.00	0.00	0.00	0.00	0.00
EFTA	0.00	0.00	0.00	0.00	0.00
G7	56.41	54.05	56.10	52.63	51.28
NAFTA	56.41	54.05	56.10	52.63	51.28
OECD	56.41	54.05	56.10	52.63	51.28
SADC	0.00	0.00	0.00	0.00	0.00

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Lead

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	623 397	598 789	634 948	639 892	648 110
LDC	1 255	1 500	775	1 105	1 200
WIC	1 597 430	1 653 854	1 560 438	1 588 201	1 388 313
CPE	782 000	879 000	591 600	625 200	668 000
NCR	202 935	208 672	214 634	232 030	237 545
Total	3 207 017	3 341 815	3 002 395	3 086 428	2 943 168

of them:

ACP	12 800	9 361	11 114	13 025	13 190
ASEAN	6 445	9 989	10 399	800	6 500
COMECON	0	0	0	0	0
EC	199 824	210 758	244 137	196 890	123 590
EFTA	1 800	1 000	0	0	0
G7	650 608	671 443	563 421	612 760	549 423
NAFTA	804 318	789 771	709 193	751 588	677 749
OECD	1 752 798	1 772 709	1 645 765	1 686 126	1 472 062
SADC	96 900	89 552	86 394	63 725	68 190

	in %	in %	in %	in %	in %
DC	19.44	17.92	21.15	20.73	22.02
LDC	0.04	0.04	0.03	0.04	0.04
WIC	49.81	49.49	51.97	51.46	47.17
CPE	24.38	26.30	19.70	20.26	22.70
NRC	6.33	6.24	7.15	7.52	8.07
Total	100.00	100.00	100.00	100.00	100.00

of them:

ACP	0.40	0.28	0.37	0.42	0.45
ASEAN	0.20	0.30	0.35	0.03	0.22
COMECON	0.00	0.00	0.00	0.00	0.00
EC	6.23	6.31	8.13	6.38	4.20
EFTA	0.06	0.03	0.00	0.00	0.00
G7	20.29	20.09	18.77	19.85	18.67
NAFTA	25.08	23.63	23.62	24.35	23.03
OECD	54.66	53.05	54.82	54.63	50.02
SADC	3.02	2.68	2.88	2.06	2.32

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Lithium

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	12 289	13 263	15 572	13 557	15 531
LDC	0	0	0	0	0
WIC	10 400	8 855	8 121	8 170	8 441
CPE	730	710	700	700	690
NCR	750	700	680	650	630
<b>Total</b>	<b>24 169</b>	<b>23 528</b>	<b>25 073</b>	<b>23 077</b>	<b>25 292</b>
of them:					
ACP	791	1 017	1 043	997	1 353
ASEAN	0	0	0	0	0
COMECON	0	0	0	0	0
EC	200	135	91	130	191
EFTA	0	0	0	0	0
G7	3 200	2 720	2 530	2 040	2 250
NAFTA	3 200	2 720	2 530	2 040	2 250
OECD	10 400	8 855	8 121	8 170	8 441
SADC	791	1 017	1 043	997	1 353
	in %	in %	in %	in %	in %
DC	50.85	56.37	62.11	58.75	61.41
LDC	0.00	0.00	0.00	0.00	0.00
WIC	43.03	37.64	32.39	35.40	33.37
CPE	3.02	3.02	2.79	3.03	2.73
NRC	3.10	2.98	2.71	2.82	2.49
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	3.27	4.32	4.16	4.32	5.35
ASEAN	0.00	0.00	0.00	0.00	0.00
COMECON	0.00	0.00	0.00	0.00	0.00
EC	0.83	0.57	0.36	0.56	0.76
EFTA	0.00	0.00	0.00	0.00	0.00
G7	13.24	11.56	10.09	8.84	8.90
NAFTA	13.24	11.56	10.09	8.84	8.90
OECD	43.03	37.64	32.39	35.40	33.37
SADC	3.27	4.32	4.16	4.32	5.35

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Mercury

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	239	255	256	235	633
LDC	0	0	0	0	0
WIC	726	488	313	595	777
CPE	410	196	200	200	495
NCR	754	743	648	664	608
<b>Total</b>	<b>2 129</b>	<b>1 682</b>	<b>1 417</b>	<b>1 694</b>	<b>2 513</b>
of them:					
ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
COMECON	0	0	0	0	0
EC	726	488	313	595	777
EFTA	0	0	0	0	0
G7	0	0	0	0	0
NAFTA	15	15	16	15	13
OECD	741	503	329	610	790
SADC	0	0	0	0	0
	in %	in %	in %	in %	in %
DC	11.23	15.16	18.07	13.87	25.19
LDC	0.00	0.00	0.00	0.00	0.00
WIC	34.10	29.01	22.09	35.12	30.92
CPE	19.26	11.65	14.11	11.81	19.70
NRC	35.42	44.17	45.73	39.20	24.19
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.00	0.00	0.00	0.00	0.00
ASEAN	0.00	0.00	0.00	0.00	0.00
COMECON	0.00	0.00	0.00	0.00	0.00
EC	34.10	29.01	22.09	35.12	30.92
EFTA	0.00	0.00	0.00	0.00	0.00
G7	0.00	0.00	0.00	0.00	0.00
NAFTA	0.70	0.89	1.13	0.89	0.52
OECD	34.81	29.90	23.22	36.01	31.44
SADC	0.00	0.00	0.00	0.00	0.00

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Rare Earths Concentrates

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	3 500	3 192	2 851	3 320	3 370
LDC	3	0	0	0	0
WIC	10 800	5 600	5 300	5 000	5 000
CPE	50 700	70 600	73 500	75 400	75 380
NCR	0	0	0	0	0
<b>Total</b>	<b>65 003</b>	<b>79 392</b>	<b>81 651</b>	<b>83 720</b>	<b>83 750</b>
of them:					
ACP	3	0	0	0	0
ASEAN	500	450	420	400	390
COMECON	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	10 000	5 000	5 000	5 000	5 000
NAFTA	10 000	5 000	5 000	5 000	5 000
OECD	10 800	5 600	5 300	5 000	5 000
SADC	0	0	0	0	0
	in %	in %	in %	in %	in %
DC	5.38	4.02	3.49	3.97	4.02
LDC	0.00	0.00	0.00	0.00	0.00
WIC	16.61	7.05	6.49	5.97	5.97
CPE	78.00	88.93	90.02	90.06	90.01
NRC	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.00	0.00	0.00	0.00	0.00
ASEAN	0.77	0.57	0.51	0.48	0.47
COMECON	0.00	0.00	0.00	0.00	0.00
EC	0.00	0.00	0.00	0.00	0.00
EFTA	0.00	0.00	0.00	0.00	0.00
G7	15.38	6.30	6.12	5.97	5.97
NAFTA	15.38	6.30	6.12	5.97	5.97
OECD	16.61	7.05	6.49	5.97	5.97
SADC	0.00	0.00	0.00	0.00	0.00

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Tellurium

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	22	20	21	19	22
LDC	0	0	0	0	0
WIC	185	179	194	174	160
CPE	3	4	5	4	5
NCR	0	0	0	0	0
<b>Total</b>	<b>210</b>	<b>203</b>	<b>220</b>	<b>197</b>	<b>187</b>
of them:					
ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
COMECON	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	185	179	194	174	160
NAFTA	147	144	160	140	125
OECD	185	179	194	174	160
SADC	0	0	0	0	0
	in %	in %	in %	in %	in %
DC	10.48	9.85	9.55	9.64	11.76
LDC	0.00	0.00	0.00	0.00	0.00
WIC	88.10	88.18	88.18	88.32	85.56
CPE	1.43	1.97	2.27	2.03	2.67
NRC	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.00	0.00	0.00	0.00	0.00
ASEAN	0.00	0.00	0.00	0.00	0.00
COMECON	0.00	0.00	0.00	0.00	0.00
EC	0.00	0.00	0.00	0.00	0.00
EFTA	0.00	0.00	0.00	0.00	0.00
G7	88.10	88.18	88.18	88.32	85.56
NAFTA	70.00	70.94	72.73	71.07	66.84
OECD	88.10	88.18	88.18	88.32	85.56
SADC	0.00	0.00	0.00	0.00	0.00

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



## Tin

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	114 844	117 714	119 898	121 900	136 279
LDC	704	928	1 253	1 214	1 098
WIC	13 185	12 102	10 374	11 804	7 864
CPE	72 770	94 500	113 400	93 900	79 500
NCR	4 500	4 500	5 200	5 000	5 000
<b>Total</b>	<b>206 003</b>	<b>229 744</b>	<b>250 125</b>	<b>233 818</b>	<b>229 741</b>
of them:					
ACP	1 567	1 382	1 282	1 189	1 407
ASEAN	61 741	60 448	55 070	57 592	72 218
COMECON	0	0	0	0	0
EC	3 363	2 274	1 228	2 164	364
EFTA	0	0	0	0	0
G7	400	100	0	0	0
NAFTA	5	4	4	8	9
OECD	13 190	12 106	10 378	11 812	7 873
SADC	0	0	0	0	0
	in %	in %	in %	in %	in %
DC	55.75	51.24	47.94	52.13	59.32
LDC	0.34	0.40	0.50	0.52	0.48
WIC	6.40	5.27	4.15	5.05	3.42
CPE	35.32	41.13	45.34	40.16	34.60
NRC	2.18	1.96	2.08	2.14	2.18
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.76	0.60	0.51	0.51	0.61
ASEAN	29.97	26.31	22.02	24.63	31.43
COMECON	0.00	0.00	0.00	0.00	0.00
EC	1.63	0.99	0.49	0.93	0.16
EFTA	0.00	0.00	0.00	0.00	0.00
G7	0.19	0.04	0.00	0.00	0.00
NAFTA	0.00	0.00	0.00	0.00	0.00
OECD	6.40	5.27	4.15	5.05	3.43
SADC	0.00	0.00	0.00	0.00	0.00

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Zinc

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	2 112 124	2 068 339	2 078 423	2 303 370	2 545 327
LDC	1 734	450	430	259	200
WIC	3 671 231	3 789 385	4 019 139	4 106 592	3 853 895
CPE	1 257 800	1 245 000	1 384 000	1 600 100	2 108 000
NCR	588 252	761 376	805 827	871 335	823 797
Total	7 631 141	7 864 550	8 287 819	8 881 656	9 331 219

of them:

ACP	41 034	34 639	39 126	31 803	42 685
ASEAN	25 200	24 000	23 900	17 733	30 373
COMECON	0	0	0	0	0
EC	524 866	572 892	684 323	661 810	551 771
EFTA	1 800	0	0	0	0
G7	1 891 642	1 845 194	1 837 287	1 862 582	1 722 851
NAFTA	2 191 398	2 110 955	2 122 262	2 236 336	2 103 662
OECD	4 160 018	4 256 074	4 314 725	4 472 665	4 221 384
SADC	109 400	104 372	102 116	93 003	106 858

	in %	in %	in %	in %	in %
DC	27.68	26.30	25.08	25.93	27.28
LDC	0.02	0.01	0.01	0.00	0.00
WIC	48.11	48.18	48.49	46.24	41.30
CPE	16.48	15.83	16.70	18.02	22.59
NRC	7.71	9.68	9.72	9.81	8.83
Total	100.00	100.00	100.00	100.00	100.00

of them:

ACP	0.54	0.44	0.47	0.36	0.46
ASEAN	0.33	0.31	0.29	0.20	0.33
COMECON	0.00	0.00	0.00	0.00	0.00
EC	6.88	7.28	8.26	7.45	5.91
EFTA	0.02	0.00	0.00	0.00	0.00
G7	24.79	23.46	22.17	20.97	18.46
NAFTA	28.72	26.84	25.61	25.18	22.54
OECD	54.51	54.12	52.06	50.36	45.24
SADC	1.43	1.33	1.23	1.05	1.15

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

### 6.3.3 Precious Metals / Edelmetalle

#### Gold

Group	1998 kg	1999 kg	2000 kg	2001 kg	2002 kg
DC	659 725	736 826	723 191	736 683	712 095
LDC	50 507	43 205	70 733	107 138	134 929
WIC	1 334 486	1 367 147	1 319 924	1 199 672	1 145 320
CPE	174 331	170 046	177 808	232 392	206 000
NCR	234 557	261 267	281 924	301 854	313 824
<b>Total</b>	<b>2 453 606</b>	<b>2 578 491</b>	<b>2 573 580</b>	<b>2 577 739</b>	<b>2 512 168</b>
of them:					
ACP	233 499	241 088	267 953	291 942	308 039
ASEAN	161 319	162 266	162 268	199 968	184 737
COMECON	0	0	0	0	0
EC	19 136	16 336	16 722	13 103	17 769
EFTA	0	0	0	0	0
G7	545 607	511 921	519 803	503 176	456 381
NAFTA	558 071	522 092	533 603	518 888	469 560
OECD	896 838	940 108	917 525	830 656	769 714
SADC	492 059	485 438	468 057	446 056	460 142
	in %	in %	in %	in %	in %
DC	26.89	28.58	28.10	28.58	28.35
LDC	2.06	1.68	2.75	4.16	5.37
WIC	54.39	53.02	51.29	46.54	45.59
CPE	7.11	6.59	6.91	9.02	8.20
NRC	9.56	10.13	10.95	11.71	12.49
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	9.52	9.35	10.41	11.33	12.26
ASEAN	6.57	6.29	6.31	7.76	7.35
COMECON	0.00	0.00	0.00	0.00	0.00
EC	0.78	0.63	0.65	0.51	0.71
EFTA	0.00	0.00	0.00	0.00	0.00
G7	22.24	19.85	20.20	19.52	18.17
NAFTA	22.74	20.25	20.73	20.13	18.69
OECD	36.55	36.46	35.65	32.22	30.64
SADC	20.05	18.83	18.19	17.30	18.32

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Platinum

Group	1998 kg	1999 kg	2000 kg	2001 kg	2002 kg
DC	684	878	844	1 193	2 967
LDC	0	0	0	0	0
WIC	209 295	244 121	236 349	152 528	161 019
CPE	0	0	0	0	0
NCR	30 003	32 002	35 001	40 000	60 000
<b>Total</b>	<b>239 982</b>	<b>277 001</b>	<b>272 194</b>	<b>193 721</b>	<b>223 986</b>
of them:					
ACP	273	390	504	519	2 306
ASEAN	0	0	0	0	0
COMECON	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	28 865	27 222	29 169	22 382	26 839
NAFTA	28 332	26 572	28 539	21 762	26 219
OECD	29 295	27 642	29 579	22 782	27 219
SADC	180 273	216 869	207 274	130 265	136 106
	in %	in %	in %	in %	in %
DC	0.29	0.32	0.31	0.62	1.32
LDC	0.00	0.00	0.00	0.00	0.00
WIC	87.21	88.13	86.83	78.74	71.89
CPE	0.00	0.00	0.00	0.00	0.00
NRC	12.50	11.55	12.86	20.65	26.79
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.11	0.14	0.19	0.27	1.03
ASEAN	0.00	0.00	0.00	0.00	0.00
COMECON	0.00	0.00	0.00	0.00	0.00
EC	0.00	0.00	0.00	0.00	0.00
EFTA	0.00	0.00	0.00	0.00	0.00
G7	12.03	9.83	10.72	11.55	11.98
NAFTA	11.81	9.59	10.48	11.23	11.71
OECD	12.21	9.98	10.87	11.76	12.15
SADC	75.12	78.29	76.15	67.24	60.77

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Silver

Group	1998 kg	1999 kg	2000 kg	2001 kg	2002 kg
DC	7 444 673	7 203 090	7 787 029	8 481 971	8 405 503
LDC	11 885	10 661	10 133	9 378	9 622
WIC	5 675 763	6 045 294	6 417 079	5 796 991	5 680 529
CPE	1 448 000	1 442 000	1 566 500	1 871 000	1 461 000
NCR	2 082 436	2 445 687	2 479 778	2 605 098	3 206 395
<b>Total</b>	<b>16 662 757</b>	<b>17 146 732</b>	<b>18 260 519</b>	<b>18 764 438</b>	<b>18 763 049</b>
of them:					
ACP	107 352	93 797	97 591	86 866	80 942
ASEAN	404 155	386 876	338 066	378 403	298 721
COMECON	0	0	0	0	0
EC	560 231	645 234	715 667	541 218	471 413
EFTA	2 000	1 800	1 500	1 300	1 200
G7	3 330 472	3 268 800	3 572 381	3 080 603	2 885 006
NAFTA	6 043 099	5 579 986	6 166 852	5 990 043	5 910 257
OECD	9 503 862	9 449 464	9 019 700	8 717 858	8 709 866
SADC	182 620	180 856	157 630	121 938	128 982
	in %	in %	in %	in %	in %
DC	44.68	42.01	42.64	45.20	44.80
LDC	0.07	0.06	0.06	0.05	0.05
WIC	34.06	35.26	35.14	30.89	30.28
CPE	8.69	8.41	8.58	9.97	7.79
NRC	12.50	14.26	13.58	13.88	17.09
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.64	0.55	0.53	0.46	0.43
ASEAN	2.43	2.26	1.85	2.02	1.59
COMECON	0.00	0.00	0.00	0.00	0.00
EC	3.36	3.76	3.92	2.88	2.51
EFTA	0.01	0.01	0.01	0.01	0.01
G7	19.99	19.06	19.56	16.42	15.38
NAFTA	36.27	32.54	33.77	31.92	31.50
OECD	57.04	55.11	49.39	46.46	46.42
SADC	1.10	1.05	0.86	0.65	0.69

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## 6.3.4 Industrial Minerals / Industrieminerale

### Asbestos

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	459 534	399 577	443 653	424 610	470 696
LDC	0	0	0	0	0
WIC	377 028	397 580	344 580	312 653	257 120
CPE	250 000	300 000	260 000	300 000	360 000
NCR	776 422	791 450	1 024 600	914 760	985 750
<b>Total</b>	<b>1 862 984</b>	<b>1 888 607</b>	<b>2 072 833</b>	<b>1 952 023</b>	<b>2 073 566</b>
of them:					
ACP	150 995	110 784	164 654	146 700	177 454
ASEAN	0	0	0	0	0
COMECON	0	0	0	0	0
EC	35 068	35 068	0	0	0
EFTA	0	0	0	0	0
G7	314 760	344 190	325 798	299 260	243 720
NAFTA	314 760	344 190	325 798	299 260	243 720
OECD	349 828	379 258	325 798	299 260	243 720
SADC	178 195	129 106	183 436	160 093	190 854
	in %	in %	in %	in %	in %
DC	24.67	21.16	21.40	21.75	22.70
LDC	0.00	0.00	0.00	0.00	0.00
WIC	20.24	21.05	16.62	16.02	12.40
CPE	13.42	15.88	12.54	15.37	17.36
NRC	41.68	41.91	49.43	46.86	47.54
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	8.11	5.87	7.94	7.52	8.56
ASEAN	0.00	0.00	0.00	0.00	0.00
COMECON	0.00	0.00	0.00	0.00	0.00
EC	1.88	1.86	0.00	0.00	0.00
EFTA	0.00	0.00	0.00	0.00	0.00
G7	16.90	18.22	15.72	15.33	11.75
NAFTA	16.90	18.22	15.72	15.33	11.75
OECD	18.78	20.08	15.72	15.33	11.75
SADC	9.57	6.84	8.85	8.20	9.20

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Baryte

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	1 689 257	1 491 883	1 587 003	1 750 224	1 973 240
LDC	22 262	31 779	37 869	36 515	29 832
WIC	1 321 348	1 027 949	853 876	867 412	920 927
CPE	3 300 000	2 920 000	3 340 000	3 950 000	4 160 000
NCR	527 264	569 479	566 846	583 619	508 570
<b>Total</b>	<b>6 860 131</b>	<b>6 041 090</b>	<b>6 385 594</b>	<b>7 187 770</b>	<b>7 592 569</b>
of them:					
ACP	13 844	13 140	13 000	13 200	13 300
ASEAN	113 421	81 518	65 420	19 379	131 354
COMECON	0	0	0	0	0
EC	407 706	360 747	306 090	335 206	310 027
EFTA	0	0	0	0	0
G7	1 034 063	776 046	667 655	676 294	673 793
NAFTA	901 555	658 953	539 533	557 200	597 420
OECD	1 507 303	1 211 058	979 916	1 008 229	1 083 447
SADC	2 444	5 984	5 128	5 000	5 100
	in %	in %	in %	in %	in %
DC	24.62	24.70	24.85	24.35	25.99
LDC	0.32	0.53	0.59	0.51	0.39
WIC	19.26	17.02	13.37	12.07	12.13
CPE	48.10	48.34	52.31	54.95	54.79
NRC	7.69	9.43	8.88	8.12	6.70
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.20	0.22	0.20	0.18	0.18
ASEAN	1.65	1.35	1.02	0.27	1.73
COMECON	0.00	0.00	0.00	0.00	0.00
EC	5.94	5.97	4.79	4.66	4.08
EFTA	0.00	0.00	0.00	0.00	0.00
G7	15.07	12.85	10.46	9.41	8.87
NAFTA	13.14	10.91	8.45	7.75	7.87
OECD	21.97	20.05	15.35	14.03	14.27
SADC	0.04	0.10	0.08	0.07	0.07

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Bentonite

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	1 324 186	1 373 416	1 339 985	1 394 638	1 359 199
LDC	720	700	680	572	550
WIC	7 445 020	7 964 182	7 031 727	7 580 126	7 181 308
CPE	0	0	0	0	0
NCR	1 576 452	1 517 191	1 616 408	1 501 479	1 323 653
<b>Total</b>	<b>10 346 378</b>	<b>10 855 489</b>	<b>9 988 800</b>	<b>10 476 815</b>	<b>9 864 710</b>
of them:					
ACP	0	0	0	0	0
ASEAN	13 462	56 701	43 400	14 136	15 700
COMECON	0	0	0	0	0
EC	2 505 146	2 463 911	2 388 810	2 498 785	1 945 908
EFTA	0	0	0	0	0
G7	5 510 304	5 664 250	4 913 623	5 262 077	5 170 010
NAFTA	4 005 729	4 278 606	3 674 990	4 232 182	4 403 640
OECD	7 846 149	8 407 390	7 188 820	7 880 259	7 497 248
SADC	48 400	49 261	112 637	115 000	117 000
	in %	in %	in %	in %	in %
DC	12.80	12.65	13.41	13.31	13.78
LDC	0.01	0.01	0.01	0.01	0.01
WIC	71.96	73.37	70.40	72.35	72.80
CPE	0.00	0.00	0.00	0.00	0.00
NRC	15.24	13.98	16.18	14.33	13.42
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.00	0.00	0.00	0.00	0.00
ASEAN	0.13	0.52	0.43	0.13	0.16
COMECON	0.00	0.00	0.00	0.00	0.00
EC	24.21	22.70	23.91	23.85	19.73
EFTA	0.00	0.00	0.00	0.00	0.00
G7	53.26	52.18	49.19	50.23	52.41
NAFTA	38.72	39.41	36.79	40.40	44.64
OECD	75.83	77.45	71.97	75.22	76.00
SADC	0.47	0.45	1.13	1.10	1.19

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



## Boron

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	583 333	651 880	913 925	1 095 832	951 809
LDC	0	0	0	0	0
WIC	2 767 367	2 462 228	2 801 676	2 431 581	2 300 000
CPE	65 000	70 000	75 000	78 000	80 000
NCR	60 000	55 000	53 000	50 000	48 000
<b>Total</b>	<b>3 475 700</b>	<b>3 239 108</b>	<b>3 843 601</b>	<b>3 655 413</b>	<b>3 379 809</b>
of them:					
ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
COMECON	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	1 170 000	1 220 000	1 072 000	1 052 000	1 000 000
NAFTA	1 170 000	1 220 000	1 072 000	1 052 000	1 000 000
OECD	2 767 367	2 462 228	2 801 676	2 431 581	2 300 000
SADC	0	0	0	0	0
	in %	in %	in %	in %	in %
DC	16.78	20.13	23.78	29.98	28.16
LDC	0.00	0.00	0.00	0.00	0.00
WIC	79.62	76.02	72.89	66.52	68.05
CPE	1.87	2.16	1.95	2.13	2.37
NRC	1.73	1.70	1.38	1.37	1.42
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.00	0.00	0.00	0.00	0.00
ASEAN	0.00	0.00	0.00	0.00	0.00
COMECON	0.00	0.00	0.00	0.00	0.00
EC	0.00	0.00	0.00	0.00	0.00
EFTA	0.00	0.00	0.00	0.00	0.00
G7	33.66	37.66	27.89	28.78	29.59
NAFTA	33.66	37.66	27.89	28.78	29.59
OECD	79.62	76.02	72.89	66.52	68.05
SADC	0.00	0.00	0.00	0.00	0.00

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Diamonds (Gem)

Group	1998 carats	1999 carats	2000 carats	2001 carats	2002 carats
DC	1 906 129	6 600 467	9 087 386	10 165 997	12 105 185
LDC	22 700 763	19 355 716	16 104 061	19 564 000	21 172 150
WIC	18 884 600	18 317 800	14 689 923	18 774 966	22 734 452
CPE	36 000	34 000	32 000	40 000	76 000
NCR	10 500 000	11 500 000	15 800 000	20 500 000	20 000 000
<b>Total</b>	<b>54 027 492</b>	<b>55 807 983</b>	<b>55 713 370</b>	<b>69 044 963</b>	<b>76 087 787</b>
of them:					
ACP	24 276 066	21 139 783	21 376 617	25 261 997	28 346 628
ASEAN	0	0	0	0	0
COMECON	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	203 000	2 429 000	2 435 000	3 716 000	4 984 000
NAFTA	203 000	2 429 000	2 435 000	3 716 000	4 984 000
OECD	14 582 200	14 309 000	10 367 800	14 308 000	18 384 000
SADC	22 314 244	23 996 725	24 632 881	28 529 474	31 374 602
	in %	in %	in %	in %	in %
DC	3.53	11.83	16.31	14.72	15.91
LDC	42.02	34.68	28.91	28.34	27.83
WIC	34.95	32.82	26.37	27.19	29.88
CPE	0.07	0.06	0.06	0.06	0.10
NRC	19.43	20.61	28.36	29.69	26.29
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	44.93	37.88	38.37	36.59	37.26
ASEAN	0.00	0.00	0.00	0.00	0.00
COMECON	0.00	0.00	0.00	0.00	0.00
EC	0.00	0.00	0.00	0.00	0.00
EFTA	0.00	0.00	0.00	0.00	0.00
G7	0.38	4.35	4.37	5.38	6.55
NAFTA	0.38	4.35	4.37	5.38	6.55
OECD	26.99	25.64	18.61	20.72	24.16
SADC	41.30	43.00	44.21	41.32	41.23

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Diamonds (Ind)

Group	1998 carats	1999 carats	2000 carats	2001 carats	2002 carats
DC	1 016 855	18 748 466	14 634 900	17 311 394	19 366 011
LDC	27 352 587	7 206 471	6 843 729	8 357 192	8 924 854
WIC	28 022 400	23 833 200	18 382 384	22 588 450	26 625 678
CPE	144 000	136 000	128 000	160 000	304 000
NCR	10 500 000	11 500 000	15 800 000	20 500 000	20 000 000
<b>Total</b>	<b>67 035 842</b>	<b>61 424 137</b>	<b>55 789 013</b>	<b>68 917 036</b>	<b>75 220 543</b>
of them:					
ACP	28 168 871	8 105 331	7 993 874	9 631 981	10 614 800
ASEAN	0	0	0	0	0
COMECON	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	0	0	0	0	0
NAFTA	0	0	0	0	0
OECD	21 568 800	17 820 000	11 899 200	15 888 000	20 100 000
SADC	12 844 461	12 976 997	13 473 454	15 239 270	15 831 028
	in %	in %	in %	in %	in %
DC	1.52	30.52	26.23	25.12	25.75
LDC	40.80	11.73	12.27	12.13	11.86
WIC	41.80	38.80	32.95	32.78	35.40
CPE	0.21	0.22	0.23	0.23	0.40
NRC	15.66	18.72	28.32	29.75	26.59
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	42.02	13.20	14.33	13.98	14.11
ASEAN	0.00	0.00	0.00	0.00	0.00
COMECON	0.00	0.00	0.00	0.00	0.00
EC	0.00	0.00	0.00	0.00	0.00
EFTA	0.00	0.00	0.00	0.00	0.00
G7	0.00	0.00	0.00	0.00	0.00
NAFTA	0.00	0.00	0.00	0.00	0.00
OECD	32.18	29.01	21.33	23.05	26.72
SADC	19.16	21.13	24.15	22.11	21.05

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Diatomite

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	209 348	215 188	198 643	160 051	151 235
LDC	700	600	650	670	690
WIC	876 119	912 012	842 799	813 921	783 484
CPE	0	0	0	0	0
NCR	40 507	41 612	46 012	90 797	49 328
<b>Total</b>	<b>1 126 674</b>	<b>1 169 412</b>	<b>1 088 104</b>	<b>1 065 439</b>	<b>984 737</b>
of them:					
ACP	1 168	1 107	1 098	1 111	2 023
ASEAN	912	2 332	720	720	780
COMECON	0	0	0	0	0
EC	111 785	123 785	125 655	127 387	121 200
EFTA	25 734	28 482	27 614	30 434	26 494
G7	803 500	822 995	750 000	716 800	697 600
NAFTA	790 500	812 495	776 448	716 274	688 922
OECD	1 050 819	1 091 484	939 017	883 195	845 616
SADC	300	250	230	200	190
	in %	in %	in %	in %	in %
DC	18.58	18.40	18.26	15.02	15.36
LDC	0.06	0.05	0.06	0.06	0.07
WIC	77.76	77.99	77.46	76.39	79.56
CPE	0.00	0.00	0.00	0.00	0.00
NRC	3.60	3.56	4.23	8.52	5.01
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.10	0.09	0.10	0.10	0.21
ASEAN	0.08	0.20	0.07	0.07	0.08
COMECON	0.00	0.00	0.00	0.00	0.00
EC	9.92	10.59	11.55	11.96	12.31
EFTA	2.28	2.44	2.54	2.86	2.69
G7	71.32	70.38	68.93	67.28	70.84
NAFTA	70.16	69.48	71.36	67.23	69.96
OECD	93.27	93.34	86.30	82.89	85.87
SADC	0.03	0.02	0.02	0.02	0.02

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Feldspar

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	1 754 839	2 090 140	2 042 857	2 396 628	2 457 515
LDC	0	0	0	0	0
WIC	6 344 009	6 376 560	5 949 565	5 936 821	5 709 625
CPE	16 000	16 500	16 700	16 900	17 000
NCR	592 110	580 673	678 218	719 747	771 864
<b>Total</b>	<b>8 706 958</b>	<b>9 063 873</b>	<b>8 687 340</b>	<b>9 070 096</b>	<b>8 956 004</b>
of them:					
ACP	2 241	1 915	1 700	1 600	1 500
ASEAN	412 181	545 298	376 067	759 294	810 255
COMECON	0	0	0	0	0
EC	4 567 662	4 365 113	4 170 286	4 196 413	3 993 625
EFTA	82 036	73 000	71 330	80 000	80 000
G7	4 806 428	4 604 092	4 205 429	4 116 995	3 825 000
NAFTA	1 017 866	1 137 241	1 124 328	1 129 591	1 122 101
OECD	7 120 568	7 356 835	6 217 304	6 196 412	5 969 726
SADC	59 041	61 215	68 400	71 600	73 500
	in %	in %	in %	in %	in %
DC	20.15	23.06	23.52	26.42	27.44
LDC	0.00	0.00	0.00	0.00	0.00
WIC	72.86	70.35	68.49	65.45	63.75
CPE	0.18	0.18	0.19	0.19	0.19
NRC	6.80	6.41	7.81	7.94	8.62
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.03	0.02	0.02	0.02	0.02
ASEAN	4.73	6.02	4.33	8.37	9.05
COMECON	0.00	0.00	0.00	0.00	0.00
EC	52.46	48.16	48.00	46.27	44.59
EFTA	0.94	0.81	0.82	0.88	0.89
G7	55.20	50.80	48.41	45.39	42.71
NAFTA	11.69	12.55	12.94	12.45	12.53
OECD	81.78	81.17	71.57	68.32	66.66
SADC	0.68	0.68	0.79	0.79	0.82

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Fluorspar

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	902 232	872 761	958 568	1 020 600	975 026
LDC	800	1 000	1 100	1 200	1 400
WIC	688 463	589 488	547 946	609 450	576 929
CPE	2 751 000	2 748 000	2 394 000	2 354 293	2 338 000
NCR	435 000	378 000	511 000	513 000	490 000
<b>Total</b>	<b>4 777 495</b>	<b>4 589 249</b>	<b>4 412 614</b>	<b>4 498 543</b>	<b>4 381 355</b>
of them:					
ACP	102 993	151 302	166 230	200 095	166 099
ASEAN	3 743	13 005	4 745	3 020	2 270
COMECON	0	0	0	0	0
EC	444 829	357 176	322 124	314 381	341 429
EFTA	0	0	0	0	0
G7	319 829	225 176	196 124	195 381	214 429
NAFTA	608 043	567 106	644 230	626 468	629 477
OECD	1 057 906	929 094	970 467	942 518	972 406
SADC	270 739	275 200	278 837	367 645	308 084
	in %	in %	in %	in %	in %
DC	18.89	19.02	21.72	22.69	22.25
LDC	0.02	0.02	0.02	0.03	0.03
WIC	14.41	12.84	12.42	13.55	13.17
CPE	57.58	59.88	54.25	52.33	53.36
NRC	9.11	8.24	11.58	11.40	11.18
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	2.16	3.30	3.77	4.45	3.79
ASEAN	0.08	0.28	0.11	0.07	0.05
COMECON	0.00	0.00	0.00	0.00	0.00
EC	9.31	7.78	7.30	6.99	7.79
EFTA	0.00	0.00	0.00	0.00	0.00
G7	6.69	4.91	4.44	4.34	4.89
NAFTA	12.73	12.36	14.60	13.93	14.37
OECD	22.14	20.25	21.99	20.95	22.19
SADC	5.67	6.00	6.32	8.17	7.03

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Graphite

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	227 369	222 602	245 070	239 980	229 965
LDC	18 940	14 746	14 220	13 700	13 400
WIC	63 486	56 070	48 583	41 479	36 312
CPE	328 200	275 150	262 140	270 130	289 120
NCR	40 951	33 641	34 551	28 176	26 801
<b>Total</b>	<b>678 946</b>	<b>602 209</b>	<b>604 564</b>	<b>593 465</b>	<b>595 598</b>
of them:					
ACP	32 746	27 067	26 058	25 500	23 400
ASEAN	0	0	0	0	0
COMECON	0	0	0	0	0
EC	15 215	10 670	9 191	4 479	3 312
EFTA	8 271	7 400	8 392	9 000	8 000
G7	23 200	24 891	18 414	16 400	14 312
NAFTA	65 481	48 781	45 330	34 442	24 865
OECD	137 967	105 851	78 913	62 921	50 177
SADC	14 056	12 551	12 058	12 000	10 200
	in %	in %	in %	in %	in %
DC	33.49	36.96	40.54	40.44	38.61
LDC	2.79	2.45	2.35	2.31	2.25
WIC	9.35	9.31	8.04	6.99	6.10
CPE	48.34	45.69	43.36	45.52	48.54
NRC	6.03	5.59	5.72	4.75	4.50
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	4.82	4.49	4.31	4.30	3.93
ASEAN	0.00	0.00	0.00	0.00	0.00
COMECON	0.00	0.00	0.00	0.00	0.00
EC	2.24	1.77	1.52	0.75	0.56
EFTA	1.22	1.23	1.39	1.52	1.34
G7	3.42	4.13	3.05	2.76	2.40
NAFTA	9.64	8.10	7.50	5.80	4.17
OECD	20.32	17.58	13.05	10.60	8.42
SADC	2.07	2.08	1.99	2.02	1.71

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Guano

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	835	790	777	760	746
LDC	0	0	0	0	0
WIC	0	0	0	0	0
CPE	0	0	0	0	0
NCR	0	0	0	0	0
<b>Total</b>	<b>835</b>	<b>790</b>	<b>777</b>	<b>760</b>	<b>746</b>
of them:					
ACP	800	750	720	700	680
ASEAN	35	40	57	60	66
COMECON	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	0	0	0	0	0
NAFTA	0	0	0	0	0
OECD	0	0	0	0	0
SADC	0	0	0	0	0
	in %	in %	in %	in %	in %
DC	100.00	100.00	100.00	100.00	100.00
LDC	0.00	0.00	0.00	0.00	0.00
WIC	0.00	0.00	0.00	0.00	0.00
CPE	0.00	0.00	0.00	0.00	0.00
NRC	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	95.81	94.94	92.66	92.11	91.15
ASEAN	4.19	5.06	7.34	7.89	8.85
COMECON	0.00	0.00	0.00	0.00	0.00
EC	0.00	0.00	0.00	0.00	0.00
EFTA	0.00	0.00	0.00	0.00	0.00
G7	0.00	0.00	0.00	0.00	0.00
NAFTA	0.00	0.00	0.00	0.00	0.00
OECD	0.00	0.00	0.00	0.00	0.00
SADC	0.00	0.00	0.00	0.00	0.00

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



## Gypsum and Anhydrite

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	30 076 641	31 664 177	32 149 079	32 065 672	35 402 478
LDC	461 885	467 212	553 400	625 559	720 941
WIC	51 774 659	57 612 023	59 841 955	50 848 895	53 001 893
CPE	7 936 000	8 133 000	6 831 000	6 829 000	6 827 000
NCR	2 778 820	2 668 939	2 856 256	2 700 684	2 665 344
<b>Total</b>	<b>93 028 005</b>	<b>100 545 351</b>	<b>102 231 690</b>	<b>93 069 810</b>	<b>98 617 656</b>
of them:					
ACP	384 537	403 750	428 208	517 123	570 340
ASEAN	4 335 534	5 016 317	5 868 121	6 266 283	6 405 591
COMECON	0	0	0	0	0
EC	21 868 102	22 619 963	21 715 155	21 603 113	23 704 893
EFTA	274 300	298 700	135 800	200 000	300 000
G7	36 626 704	42 159 824	42 949 086	33 812 982	33 097 000
NAFTA	30 588 305	35 544 419	37 106 118	28 134 487	28 096 550
OECD	56 689 264	62 245 042	62 987 073	54 187 600	56 171 443
SADC	512 700	530 400	436 000	403 800	400 000
	in %	in %	in %	in %	in %
DC	32.33	31.49	31.45	34.45	35.90
LDC	0.50	0.46	0.54	0.67	0.73
WIC	55.65	57.30	58.54	54.64	53.74
CPE	8.53	8.09	6.68	7.34	6.92
NRC	2.99	2.65	2.79	2.90	2.70
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.41	0.40	0.42	0.56	0.58
ASEAN	4.66	4.99	5.74	6.73	6.50
COMECON	0.00	0.00	0.00	0.00	0.00
EC	23.51	22.50	21.24	23.21	24.04
EFTA	0.29	0.30	0.13	0.21	0.30
G7	39.37	41.93	42.01	36.33	33.56
NAFTA	32.88	35.35	36.30	30.23	28.49
OECD	60.94	61.91	61.61	58.22	56.96
SADC	0.55	0.53	0.43	0.43	0.41

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Kaolin

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	5 652 343	5 682 802	5 305 360	5 143 144	5 132 841
LDC	112 465	208 350	103 400	102 734	95 360
WIC	17 245 651	16 874 794	16 300 438	16 505 877	15 681 664
CPE	1 013 450	1 313 850	1 913 900	2 013 980	2 114 160
NCR	2 353 348	2 916 111	3 105 673	3 163 209	2 765 514
Total	26 377 257	26 995 907	26 728 771	26 928 944	25 789 539

of them:

ACP	107 408	203 794	99 088	98 562	91 426
ASEAN	457 018	339 146	505 726	535 321	385 755
COMECON	0	0	0	0	0
EC	6 961 361	6 925 531	7 114 713	6 866 083	6 954 164
EFTA	0	0	0	0	0
G7	15 623 820	15 417 156	14 700 274	15 164 736	14 210 768
NAFTA	9 789 012	9 650 602	8 411 018	9 124 010	8 096 890
OECD	18 571 154	18 775 272	16 300 438	16 460 287	15 630 554
SADC	102 500	124 700	121 600	141 700	141 800

	in %	in %	in %	in %	in %
DC	21.43	21.05	19.85	19.10	19.90
LDC	0.43	0.77	0.39	0.38	0.37
WIC	65.38	62.51	60.98	61.29	60.81
CPE	3.84	4.87	7.16	7.48	8.20
NRC	8.92	10.80	11.62	11.75	10.72
Total	100.00	100.00	100.00	100.00	100.00

of them:

ACP	0.41	0.75	0.37	0.37	0.35
ASEAN	1.73	1.26	1.89	1.99	1.50
COMECON	0.00	0.00	0.00	0.00	0.00
EC	26.39	25.65	26.62	25.50	26.97
EFTA	0.00	0.00	0.00	0.00	0.00
G7	59.23	57.11	55.00	56.31	55.10
NAFTA	37.11	35.75	31.47	33.88	31.40
OECD	70.41	69.55	60.98	61.12	60.61
SADC	0.39	0.46	0.45	0.53	0.55

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Magnesite

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	775 658	709 637	796 510	745 527	736 095
LDC	0	0	0	0	0
WIC	4 929 732	4 205 673	4 768 080	5 053 916	4 310 292
CPE	3 200 000	3 000 000	3 150 000	4 150 000	4 050 000
NCR	2 994 800	3 433 700	3 635 530	3 940 000	2 529 000
<b>Total</b>	<b>11 900 190</b>	<b>11 349 010</b>	<b>12 350 120</b>	<b>13 889 443</b>	<b>11 625 387</b>
of them:					
ACP	4 321	5 356	5 800	6 000	6 200
ASEAN	0	0	0	0	0
COMECON	0	0	0	0	0
EC	1 590 925	1 454 779	1 378 612	1 377 830	1 471 292
EFTA	0	0	0	0	0
G7	200 000	200 000	270 000	300 000	200 000
NAFTA	200 000	200 000	270 000	300 000	200 000
OECD	4 887 432	4 175 973	4 670 634	4 955 916	4 211 292
SADC	78 621	69 056	103 246	104 000	105 200
	in %	in %	in %	in %	in %
DC	6.52	6.25	6.45	5.37	6.33
LDC	0.00	0.00	0.00	0.00	0.00
WIC	41.43	37.06	38.61	36.39	37.08
CPE	26.89	26.43	25.51	29.88	34.84
NRC	25.17	30.26	29.44	28.37	21.75
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.04	0.05	0.05	0.04	0.05
ASEAN	0.00	0.00	0.00	0.00	0.00
COMECON	0.00	0.00	0.00	0.00	0.00
EC	13.37	12.82	11.16	9.92	12.66
EFTA	0.00	0.00	0.00	0.00	0.00
G7	1.68	1.76	2.19	2.16	1.72
NAFTA	1.68	1.76	2.19	2.16	1.72
OECD	41.07	36.80	37.82	35.68	36.22
SADC	0.66	0.61	0.84	0.75	0.90

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Perlite

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	86 490	93 931	101 902	113 127	129 153
LDC	0	0	0	0	0
WIC	1 723 474	1 902 216	1 857 691	1 870 955	1 941 457
CPE	0	0	0	0	0
NCR	252 500	265 200	270 700	210 000	188 630
Total	2 062 464	2 261 347	2 230 293	2 194 082	2 259 240
of them:					
ACP	0	0	0	0	0
ASEAN	6 356	10 235	8 000	5 000	3 850
COMECON	0	0	0	0	0
EC	658 332	777 898	817 825	840 660	838 997
EFTA	0	0	0	0	0
G7	935 000	971 000	885 250	871 000	898 000
NAFTA	739 839	772 596	693 952	691 297	723 703
OECD	1 926 183	2 104 212	1 925 803	1 950 672	2 026 600
SADC	630	600	590	580	560
	in %	in %	in %	in %	in %
DC	4.19	4.15	4.57	5.16	5.72
LDC	0.00	0.00	0.00	0.00	0.00
WIC	83.56	84.12	83.29	85.27	85.93
CPE	0.00	0.00	0.00	0.00	0.00
NRC	12.24	11.73	12.14	9.57	8.35
Total	100.00	100.00	100.00	100.00	100.00
of them:					
ACP	0.00	0.00	0.00	0.00	0.00
ASEAN	0.31	0.45	0.36	0.23	0.17
COMECON	0.00	0.00	0.00	0.00	0.00
EC	31.92	34.40	36.67	38.31	37.14
EFTA	0.00	0.00	0.00	0.00	0.00
G7	45.33	42.94	39.69	39.70	39.75
NAFTA	35.87	34.17	31.11	31.51	32.03
OECD	93.39	93.05	86.35	88.91	89.70
SADC	0.03	0.03	0.03	0.03	0.02

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Phosphate

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	34 226 598	33 295 146	31 749 620	32 259 360	33 339 876
LDC	852 730	622 900	498 130	387 519	401 320
WIC	16 301 855	15 459 738	14 747 725	14 518 470	14 415 075
CPE	31 335 000	31 115 760	31 320 320	34 360 200	35 330 000
NCR	1 875 000	2 220 000	3 000 000	3 623 000	3 660 000
<b>Total</b>	<b>84 591 183</b>	<b>82 713 544</b>	<b>81 315 795</b>	<b>85 148 549</b>	<b>87 146 271</b>
of them:					
ACP	1 468 160	1 348 207	1 215 934	1 061 629	1 192 726
ASEAN	11 287	15 514	16 863	4 755	6 559
COMECON	0	0	0	0	0
EC	700 000	734 068	750 000	767 020	800 000
EFTA	0	0	0	0	0
G7	12 900 000	11 767 000	11 200 000	11 200 000	10 700 000
NAFTA	13 142 032	12 071 208	11 536 789	11 451 930	10 701 524
OECD	13 843 887	12 806 946	12 288 289	12 220 400	11 503 599
SADC	2 728 280	2 983 329	2 830 159	2 577 020	2 946 326
	in %	in %	in %	in %	in %
DC	40.46	40.25	39.04	37.89	38.26
LDC	1.01	0.75	0.61	0.46	0.46
WIC	19.27	18.69	18.14	17.05	16.54
CPE	37.04	37.62	38.52	40.35	40.54
NRC	2.22	2.68	3.69	4.25	4.20
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	1.74	1.63	1.50	1.25	1.37
ASEAN	0.01	0.02	0.02	0.01	0.01
COMECON	0.00	0.00	0.00	0.00	0.00
EC	0.83	0.89	0.92	0.90	0.92
EFTA	0.00	0.00	0.00	0.00	0.00
G7	15.25	14.23	13.77	13.15	12.28
NAFTA	15.54	14.59	14.19	13.45	12.28
OECD	16.37	15.48	15.11	14.35	13.20
SADC	3.23	3.61	3.48	3.03	3.38

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Potash

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	3 132 610	2 657 760	2 645 693	2 743 961	2 906 300
LDC	0	0	0	0	0
WIC	15 536 894	14 844 880	15 439 167	14 320 875	14 052 863
CPE	150 000	195 000	200 000	320 000	420 000
NCR	7 741 000	7 705 000	7 092 000	7 380 000	8 220 000
<b>Total</b>	<b>26 560 504</b>	<b>25 402 640</b>	<b>25 376 860</b>	<b>24 764 836</b>	<b>25 599 163</b>
of them:					
ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
COMECON	0	0	0	0	0
EC	5 267 894	5 069 880	5 032 167	4 936 875	4 563 863
EFTA	0	0	0	0	0
G7	14 939 894	14 188 880	14 786 167	13 751 875	13 645 863
NAFTA	10 269 000	9 775 000	10 407 000	9 384 000	9 489 000
OECD	15 536 894	14 844 880	15 439 167	14 320 875	14 052 863
SADC	0	0	0	0	0
	in %	in %	in %	in %	in %
DC	11.79	10.46	10.43	11.08	11.35
LDC	0.00	0.00	0.00	0.00	0.00
WIC	58.50	58.44	60.84	57.83	54.90
CPE	0.56	0.77	0.79	1.29	1.64
NRC	29.14	30.33	27.95	29.80	32.11
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.00	0.00	0.00	0.00	0.00
ASEAN	0.00	0.00	0.00	0.00	0.00
COMECON	0.00	0.00	0.00	0.00	0.00
EC	19.83	19.96	19.83	19.94	17.83
EFTA	0.00	0.00	0.00	0.00	0.00
G7	56.25	55.86	58.27	55.53	53.31
NAFTA	38.66	38.48	41.01	37.89	37.07
OECD	58.50	58.44	60.84	57.83	54.90
SADC	0.00	0.00	0.00	0.00	0.00

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Salt

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	44 206 011	46 161 817	50 846 703	50 334 734	50 370 922
LDC	1 642 560	1 638 393	1 534 252	1 574 513	1 655 106
WIC	107 262 454	114 499 234	113 911 404	112 263 826	105 981 769
CPE	23 410 000	29 071 500	32 203 300	32 194 000	35 883 500
NCR	10 765 008	11 178 010	9 330 966	9 038 135	10 024 826
<b>Total</b>	<b>187 286 033</b>	<b>202 548 954</b>	<b>207 826 625</b>	<b>205 405 208</b>	<b>203 916 123</b>
of them:					
ACP	1 923 825	1 969 689	1 914 492	1 934 913	2 066 800
ASEAN	2 064 096	2 684 347	1 981 778	1 927 905	1 869 951
COMECON	0	0	0	0	0
EC	40 073 828	42 883 907	44 067 401	41 652 991	40 055 969
EFTA	400 900	540 800	310 000	300 000	350 000
G7	83 734 000	90 203 162	88 819 000	89 107 380	82 123 000
NAFTA	62 367 063	65 847 621	66 119 370	66 857 517	60 414 948
OECD	119 287 417	126 438 455	122 415 142	120 379 963	113 393 917
SADC	1 198 913	1 234 730	1 212 709	1 259 441	1 398 152
	in %	in %	in %	in %	in %
DC	23.60	22.79	24.47	24.51	24.70
LDC	0.88	0.81	0.74	0.77	0.81
WIC	57.27	56.53	54.81	54.65	51.97
CPE	12.50	14.35	15.50	15.67	17.60
NRC	5.75	5.52	4.49	4.40	4.92
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	1.03	0.97	0.92	0.94	1.01
ASEAN	1.10	1.33	0.95	0.94	0.92
COMECON	0.00	0.00	0.00	0.00	0.00
EC	21.40	21.17	21.20	20.28	19.64
EFTA	0.21	0.27	0.15	0.15	0.17
G7	44.71	44.53	42.74	43.38	40.27
NAFTA	33.30	32.51	31.81	32.55	29.63
OECD	63.69	62.42	58.90	58.61	55.61
SADC	0.64	0.61	0.58	0.61	0.69

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Sulfur

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	5 822 293	6 128 671	6 730 982	7 072 745	6 857 314
LDC	33 956	29 000	30 000	28 000	27 000
WIC	23 251 840	23 262 804	22 666 382	20 894 720	21 657 535
CPE	6 120 000	5 110 000	5 100 000	6 090 000	6 580 000
NCR	5 487 135	5 500 700	5 957 709	5 303 399	5 238 823
<b>Total</b>	<b>40 715 224</b>	<b>40 031 175</b>	<b>40 485 073</b>	<b>39 388 864</b>	<b>40 360 672</b>
of them:					
ACP	103 956	99 000	99 200	96 000	93 500
ASEAN	10 000	11 000	11 500	11 800	12 000
COMECON	0	0	0	0	0
EC	3 382 736	3 460 704	3 401 705	3 200 720	3 252 535
EFTA	42 300	42 100	42 000	39 000	38 000
G7	21 194 675	21 236 934	20 614 688	18 918 000	19 670 091
NAFTA	19 342 826	19 311 484	18 766 427	17 215 180	17 944 035
OECD	25 096 766	24 805 288	23 066 132	21 272 900	22 024 570
SADC	550 856	508 000	550 877	596 000	613 500
	in %	in %	in %	in %	in %
DC	14.30	15.31	16.63	17.96	16.99
LDC	0.08	0.07	0.07	0.07	0.07
WIC	57.11	58.11	55.99	53.05	53.66
CPE	15.03	12.77	12.60	15.46	16.30
NRC	13.48	13.74	14.72	13.46	12.98
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.26	0.25	0.25	0.24	0.23
ASEAN	0.02	0.03	0.03	0.03	0.03
COMECON	0.00	0.00	0.00	0.00	0.00
EC	8.31	8.65	8.40	8.13	8.06
EFTA	0.10	0.11	0.10	0.10	0.09
G7	52.06	53.05	50.92	48.03	48.74
NAFTA	47.51	48.24	46.35	43.71	44.46
OECD	61.64	61.96	56.97	54.01	54.57
SADC	1.35	1.27	1.36	1.51	1.52

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



## Talc

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	1 911 270	1 867 883	1 870 895	2 131 769	2 238 151
LDC	6 457	6 300	6 132	4 203	4 070
WIC	3 419 023	3 211 682	2 611 527	2 934 278	2 862 993
CPE	3 500 000	3 590 000	3 455 000	2 080 000	1 975 000
NCR	262 233	252 239	237 850	229 037	201 282
<b>Total</b>	<b>9 098 983</b>	<b>8 928 104</b>	<b>8 181 404</b>	<b>7 379 287</b>	<b>7 281 496</b>
of them:					
ACP	1 339	1 381	2 280	2 480	2 570
ASEAN	21 720	4 960	7 390	6 838	1 702
COMECON	0	0	0	0	0
EC	1 568 491	1 430 782	1 318 183	1 253 778	1 274 493
EFTA	21 000	20 000	18 000	25 000	27 000
G7	2 159 473	2 098 022	1 637 753	1 997 947	1 947 300
NAFTA	1 063 842	1 022 980	576 113	965 650	891 000
OECD	4 284 453	4 094 062	2 626 496	2 951 928	2 882 193
SADC	24 171	19 281	7 880	7 480	7 370
	in %	in %	in %	in %	in %
DC	21.01	20.92	22.87	28.89	30.74
LDC	0.07	0.07	0.07	0.06	0.06
WIC	37.58	35.97	31.92	39.76	39.32
CPE	38.47	40.21	42.23	28.19	27.12
NRC	2.88	2.83	2.91	3.10	2.76
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.01	0.02	0.03	0.03	0.04
ASEAN	0.24	0.06	0.09	0.09	0.02
COMECON	0.00	0.00	0.00	0.00	0.00
EC	17.24	16.03	16.11	16.99	17.50
EFTA	0.23	0.22	0.22	0.34	0.37
G7	23.73	23.50	20.02	27.08	26.74
NAFTA	11.69	11.46	7.04	13.09	12.24
OECD	47.09	45.86	32.10	40.00	39.58
SADC	0.27	0.22	0.10	0.10	0.10

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Vermiculite

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	40 112	57 908	63 721	41 806	40 390
LDC	0	0	0	0	0
WIC	421 300	420 256	412 335	291 000	281 200
CPE	0	0	0	0	0
NCR	80 000	83 000	84 000	84 000	84 000
<b>Total</b>	<b>541 412</b>	<b>561 164</b>	<b>560 056</b>	<b>416 806</b>	<b>405 590</b>
of them:					
ACP	15 157	13 008	12 524	12 300	12 090
ASEAN	0	0	0	0	0
COMECON	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	188 000	182 456	181 500	122 400	121 200
NAFTA	180 000	175 456	175 000	116 000	115 000
OECD	200 000	202 456	203 500	134 400	131 200
SADC	236 104	230 644	221 235	168 800	162 000
	in %	in %	in %	in %	in %
DC	7.41	10.32	11.38	10.03	9.96
LDC	0.00	0.00	0.00	0.00	0.00
WIC	77.82	74.89	73.62	69.82	69.33
CPE	0.00	0.00	0.00	0.00	0.00
NRC	14.78	14.79	15.00	20.15	20.71
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	2.80	2.32	2.24	2.95	2.98
ASEAN	0.00	0.00	0.00	0.00	0.00
COMECON	0.00	0.00	0.00	0.00	0.00
EC	0.00	0.00	0.00	0.00	0.00
EFTA	0.00	0.00	0.00	0.00	0.00
G7	34.72	32.51	32.41	29.37	29.88
NAFTA	33.25	31.27	31.25	27.83	28.35
OECD	36.94	36.08	36.34	32.25	32.35
SADC	43.61	41.10	39.50	40.50	39.94

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Zircon

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	46 871	44 263	38 500	37 300	36 200
LDC	0	0	0	0	0
WIC	723 000	654 820	840 552	898 000	940 000
CPE	13 000	12 000	14 000	15 000	16 000
NCR	50 000	30 000	32 000	33 700	35 000
<b>Total</b>	<b>832 871</b>	<b>741 083</b>	<b>925 052</b>	<b>984 000</b>	<b>1 027 200</b>
of them:					
ACP	0	0	0	0	0
ASEAN	3 057	1 763	5 300	5 500	5 700
COMECON	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	70 000	65 000	100 000	100 000	100 000
NAFTA	70 000	65 000	100 000	100 000	100 000
OECD	463 000	437 000	473 000	498 000	520 000
SADC	260 000	217 820	367 552	400 000	420 000
	in %	in %	in %	in %	in %
DC	5.63	5.97	4.16	3.79	3.52
LDC	0.00	0.00	0.00	0.00	0.00
WIC	86.81	88.36	90.87	91.26	91.51
CPE	1.56	1.62	1.51	1.52	1.56
NRC	6.00	4.05	3.46	3.42	3.41
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.00	0.00	0.00	0.00	0.00
ASEAN	0.37	0.24	0.57	0.56	0.55
COMECON	0.00	0.00	0.00	0.00	0.00
EC	0.00	0.00	0.00	0.00	0.00
EFTA	0.00	0.00	0.00	0.00	0.00
G7	8.40	8.77	10.81	10.16	9.74
NAFTA	8.40	8.77	10.81	10.16	9.74
OECD	55.59	58.97	51.13	50.61	50.62
SADC	31.22	29.39	39.73	40.65	40.89

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## 6.3.5 Mineral Fuels / Energierohstoffe

### Hard Coal

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	424 075 523	425 886 023	435 124 198	475 504 062	529 054 017
LDC	1 599 073	1 622 120	1 686 497	1 707 411	1 762 397
WIC	1 625 456 142	1 620 316 295	1 601 342 281	1 673 275 002	1 563 436 473
CPE	1 365 000 000	1 126 294 000	1 077 170 000	1 168 700 000	1 472 800 000
NCR	419 275 820	447 954 743	456 865 344	468 316 421	429 491 500
Total	3 835 406 558	3 622 073 181	3 572 188 320	3 787 502 896	3 996 544 387
of them:					
ACP	6 971 277	6 913 774	5 915 702	5 962 611	5 646 009
ASEAN	60 254 509	63 621 720	78 777 127	94 438 193	105 128 172
COMECON	0	0	0	0	0
EC	104 688 952	96 061 000	86 705 000	81 097 000	68 293 000
EFTA	328 169	404 000	631 926	1 788 000	2 200 000
G7	1 089 820 952	1 138 051 000	1 110 715 000	1 157 999 000	1 047 464 000
NAFTA	1 005 422 227	1 063 574 835	1 044 079 115	1 094 627 027	991 892 872
OECD	1 546 315 397	1 537 080 130	1 385 472 396	1 456 059 029	1 344 885 872
SADC	231 311 277	230 017 308	229 774 502	229 899 336	230 304 566
	in %	in %	in %	in %	in %
DC	11.06	11.76	12.18	12.55	13.24
LDC	0.04	0.04	0.05	0.05	0.04
WIC	42.38	44.73	44.83	44.18	39.12
CPE	35.59	31.10	30.15	30.86	36.85
NRC	10.93	12.37	12.79	12.36	10.75
Total	100.00	100.00	100.00	100.00	100.00
of them:					
ACP	0.18	0.19	0.17	0.16	0.14
ASEAN	1.57	1.76	2.21	2.49	2.63
COMECON	0.00	0.00	0.00	0.00	0.00
EC	2.73	2.65	2.43	2.14	1.71
EFTA	0.01	0.01	0.02	0.05	0.06
G7	28.41	31.42	31.09	30.57	26.21
NAFTA	26.21	29.36	29.23	28.90	24.82
OECD	40.32	42.44	38.78	38.44	33.65
SADC	6.03	6.35	6.43	6.07	5.76

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Lignite

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	43 170 721	39 266 308	37 713 753	41 616 996	43 601 984
LDC	41 979	54 773	70 083	79 036	50 913
WIC	433 195 247	438 278 005	442 920 036	450 790 042	470 887 833
CPE	70 200 000	70 500 000	62 800 000	67 707 600	72 700 000
NCR	316 131 734	306 199 339	313 080 382	321 998 722	312 758 609
<b>Total</b>	<b>862 739 681</b>	<b>854 298 425</b>	<b>856 584 254</b>	<b>882 192 396</b>	<b>899 999 339</b>
of them:					
ACP	0	0	0	0	0
ASEAN	20 161 721	18 266 308	17 713 753	19 616 996	19 601 984
COMECON	0	0	0	0	0
EC	238 886 645	235 601 437	245 475 062	252 752 867	267 197 833
EFTA	0	0	0	0	0
G7	228 876 061	232 142 000	239 461 000	251 110 000	258 929 000
NAFTA	61 790 000	70 000 000	71 000 000	75 000 000	76 500 000
OECD	558 825 647	554 782 005	442 920 036	450 790 042	470 887 833
SADC	0	0	0	0	0
	in %	in %	in %	in %	in %
DC	5.00	4.60	4.40	4.72	4.84
LDC	0.00	0.01	0.01	0.01	0.01
WIC	50.21	51.30	51.71	51.10	52.32
CPE	8.14	8.25	7.33	7.67	8.08
NRC	36.64	35.84	36.55	36.50	34.75
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.00	0.00	0.00	0.00	0.00
ASEAN	2.34	2.14	2.07	2.22	2.18
COMECON	0.00	0.00	0.00	0.00	0.00
EC	27.69	27.58	28.66	28.65	29.69
EFTA	0.00	0.00	0.00	0.00	0.00
G7	26.53	27.17	27.96	28.46	28.77
NAFTA	7.16	8.19	8.29	8.50	8.50
OECD	64.77	64.94	51.71	51.10	52.32
SADC	0.00	0.00	0.00	0.00	0.00

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Natural Gas

Group	1998 Mio m <sup>3</sup>	1999 Mio m <sup>3</sup>	2000 Mio m <sup>3</sup>	2001 Mio m <sup>3</sup>	2002 Mio m <sup>3</sup>
DC	594 968	610 173	604 597	624 729	644 159
LDC	11 359	13 327	11 001	10 859	10 735
WIC	1 006 160	1 008 602	1 035 744	1 050 121	1 063 934
CPE	24 550	28 141	30 940	30 339	31 438
NCR	712 889	722 983	695 086	662 202	706 600
<b>Total</b>	<b>2 349 926</b>	<b>2 383 226</b>	<b>2 377 368</b>	<b>2 378 250</b>	<b>2 456 866</b>
of them:					
ACP	15 214	15 165	15 475	17 688	23 508
ASEAN	152 334	145 242	116 388	113 001	123 249
COMECON	0	0	0	0	0
EC	224 517	224 803	233 886	230 565	231 318
EFTA	47 100	51 582	52 400	57 465	68 300
G7	832 884	836 278	866 940	871 549	872 984
NAFTA	731 900	729 219	747 878	761 466	761 748
OECD	1 051 590	1 054 046	1 074 144	1 091 121	1 102 634
SADC	400	420	430	440	460
	in %	in %	in %	in %	in %
DC	25.32	25.60	25.43	26.27	26.22
LDC	0.48	0.56	0.46	0.46	0.44
WIC	42.82	42.32	43.57	44.16	43.30
CPE	1.04	1.18	1.30	1.28	1.28
NRC	30.34	30.34	29.24	27.84	28.76
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.65	0.64	0.65	0.74	0.96
ASEAN	6.48	6.09	4.90	4.75	5.02
COMECON	0.00	0.00	0.00	0.00	0.00
EC	9.55	9.43	9.84	9.69	9.42
EFTA	2.00	2.16	2.20	2.42	2.78
G7	35.44	35.09	36.47	36.65	35.53
NAFTA	31.15	30.60	31.46	32.02	31.00
OECD	44.75	44.23	45.18	45.88	44.88
SADC	0.02	0.02	0.02	0.02	0.02

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Oil

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	1 983 593 212	1 962 881 229	2 159 078 265	2 077 896 485	2 024 381 758
LDC	59 088 000	62 027 350	21 614 000	21 712 800	22 811 000
WIC	891 042 790	831 579 302	838 193 813	822 180 340	824 090 919
CPE	176 847 310	176 221 900	178 800 000	182 300 000	185 200 000
NCR	412 408 973	380 418 893	398 356 392	418 306 535	462 961 043
Total	3 522 980 285	3 413 128 674	3 596 042 470	3 522 396 160	3 519 444 720

of them:

ACP	188 948 423	188 418 538	183 644 418	190 716 135	187 098 000
ASEAN	134 693 334	126 250 668	130 044 566	125 672 752	116 097 236
COMECON	0	0	0	0	0
EC	167 456 917	156 412 523	149 141 183	138 069 464	140 210 919
EFTA	158 900 000	154 833 000	159 000 000	163 100 000	159 200 000
G7	680 645 397	615 151 767	611 673 000	600 747 000	605 848 054
NAFTA	700 069 000	643 047 000	656 731 000	657 700 000	666 300 000
OECD	1 062 108 190	999 523 302	1 011 493 813	997 180 340	1 003 290 919
SADC	37 500 000	39 733 900	37 600 000	39 118 875	46 200 000

	in %	in %	in %	in %	in %
DC	56.30	57.51	60.04	58.99	57.52
LDC	1.68	1.82	0.60	0.62	0.65
WIC	25.29	24.36	23.31	23.34	23.42
CPE	5.02	5.16	4.97	5.18	5.26
NRC	11.71	11.15	11.08	11.88	13.15
Total	100.00	100.00	100.00	100.00	100.00

of them:

ACP	5.36	5.52	5.11	5.41	5.32
ASEAN	3.82	3.70	3.62	3.57	3.30
COMECON	0.00	0.00	0.00	0.00	0.00
EC	4.75	4.58	4.15	3.92	3.98
EFTA	4.51	4.54	4.42	4.63	4.52
G7	19.32	18.02	17.01	17.06	17.21
NAFTA	19.87	18.84	18.26	18.67	18.93
OECD	30.15	29.28	28.13	28.31	28.51
SADC	1.06	1.16	1.05	1.11	1.31

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Oil Shale

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	0	0	0	0	0
LDC	0	0	0	0	0
WIC	373 789	388 311	379 336	379 208	404 677
CPE	0	0	0	0	0
NCR	14 464 000	13 780 000	13 693 000	13 600 000	12 013 000
<b>Total</b>	<b>14 837 789</b>	<b>14 168 311</b>	<b>14 072 336</b>	<b>13 979 208</b>	<b>12 417 677</b>
of them:					
ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
COMECON	0	0	0	0	0
EC	373 789	388 311	379 336	379 208	404 677
EFTA	0	0	0	0	0
G7	373 357	387 815	378 896	378 800	404 341
NAFTA	0	0	0	0	0
OECD	373 789	388 311	379 336	379 208	404 677
SADC	0	0	0	0	0
	in %	in %	in %	in %	in %
DC	0.00	0.00	0.00	0.00	0.00
LDC	0.00	0.00	0.00	0.00	0.00
WIC	2.52	2.74	2.70	2.71	3.26
CPE	0.00	0.00	0.00	0.00	0.00
NRC	97.48	97.26	97.30	97.29	96.74
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	0.00	0.00	0.00	0.00	0.00
ASEAN	0.00	0.00	0.00	0.00	0.00
COMECON	0.00	0.00	0.00	0.00	0.00
EC	2.52	2.74	2.70	2.71	3.26
EFTA	0.00	0.00	0.00	0.00	0.00
G7	2.52	2.74	2.69	2.71	3.26
NAFTA	0.00	0.00	0.00	0.00	0.00
OECD	2.52	2.74	2.70	2.71	3.26
SADC	0.00	0.00	0.00	0.00	0.00

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



## Uranium

Group	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t
DC	4 353	4 167	4 249	4 096	4 335
LDC	4 400	2 916	3 407	2 919	3 076
WIC	21 857	22 506	22 439	27 456	26 105
CPE	690	680	677	842	928
NCR	6 814	6 834	7 955	8 914	9 992
<b>Total</b>	<b>38 114</b>	<b>37 103</b>	<b>38 727</b>	<b>44 227</b>	<b>44 436</b>
of them:					
ACP	8 518	6 873	7 471	6 832	7 140
ASEAN	0	0	0	0	0
COMECON	0	0	0	0	0
EC	959	909	803	566	107
EFTA	0	0	0	0	0
G7	14 569	12 821	12 075	16 742	16 533
NAFTA	13 980	12 287	11 688	16 531	16 484
OECD	20 869	21 565	21 439	26 200	24 928
SADC	4 395	4 188	4 201	4 369	4 421
	in %	in %	in %	in %	in %
DC	11.42	11.23	10.97	9.26	9.76
LDC	11.54	7.86	8.80	6.60	6.92
WIC	57.35	60.66	57.94	62.08	58.75
CPE	1.81	1.83	1.75	1.90	2.09
NRC	17.88	18.42	20.54	20.16	22.49
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
of them:					
ACP	22.35	18.52	19.29	15.45	16.07
ASEAN	0.00	0.00	0.00	0.00	0.00
COMECON	0.00	0.00	0.00	0.00	0.00
EC	2.52	2.45	2.07	1.28	0.24
EFTA	0.00	0.00	0.00	0.00	0.00
G7	38.22	34.56	31.18	37.85	37.21
NAFTA	36.68	33.12	30.18	37.38	37.10
OECD	54.75	58.12	55.36	59.24	56.10
SADC	11.53	11.29	10.85	9.88	9.95

Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

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Figures may not add to 100% due to rounding; Prozentangaben müssen durch Rundung nicht genau 100% ergeben  
**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## 6.4 Production of Mineral Raw Materials of individual Countries, by Minerals Produktion mineralischer Rohstoffe der einzelnen Länder, nach Rohstoffen geordnet

### 6.4.1 Iron and Ferro-Alloy Metals / Eisen und Stahlveredler

#### Iron

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Albania	5 500	5 300	5 000	4 800	4 600	2n
Algeria	972 000	721 440	720 000	719 000	718 000	2n
Australia	96 997 320	100 641 870	107 728 740	184 000 000	185 300 000	1h
Austria	573 440	559 040	595 024	589 848	621 363	1e
Azerbaijan	22 000	7 100	8 200	4 700	4 000	2n
Brazil	120 060 000	194 000 000	212 000 000	215 500 000	222 000 000	2h
Bulgaria	185 039	361 200	304 100	240 000	217 553	1a
Canada	23 774 000	20 734 000	21 781 000	16 458 410	18 891 090	1h
Chile	5 681 224	5 090 450	5 324 629	5 500 000	4 434 090	1h
China	67 200 000	67 200 000	71 648 000	75 000 000	54 400 000	1h
Colombia	315 714	352 720	332 400	382 200	400 864	1e
DPR Korea	3 500 000	3 300 000	3 200 000	3 000 000	2 900 000	2n
Egypt	1 350 639	1 500 000	1 451 545	829 362	800 000	2n
Germany, Federal Rep.	84 680	114 000	73 844	65 120	58 711	1a
Guatemala	2 143	4 214	3 251	3 000	3 900	2n
India	45 223 000	45 560 000	47 570 000	48 240 000	70 350 000	1h
Indonesia	308 288	309 100	269 019	258 170	208 175	1h
Iran	4 777 950	3 473 686	4 892 000	3 445 000	3 963 683	1a
Japan	1 720	1 800	1 454	1 449	1 440	2n
Kazakhstan	8 693 000	9 607 000	8 988 395	8 529 987	8 697 000	1h
Korea, Republic of	133 421	187 982	163 192	241 201	156 800	1h
Malaysia	376 090	337 462	258 553	376 476	404 350	1h
Mauritania	6 726 200	6 604 000	6 500 000	6 700 000	6 125 600	1a
Mexico	5 067 406	5 508 174	5 436 325	4 215 855	4 772 342	1a
Morocco	5 685	6 625	5 615	5 006	5 736	1a
New Zealand	1 276 000	1 334 000	1 566 000	928 000	986 000	1h
Nigeria	70 000	68 000	65 000	64 000	63 000	2n
Norway	409 200	338 000	458 000	381 000	476 000	1a
Pakistan	6 291	17 320	18 000	20 000	22 000	2n
Peru	3 282 118	2 672 630	2 635 991	3 000 000	3 100 000	1h
Portugal	8 159	4 739	4 766	4 700	4 500	2n
Romania	113 605	82 478	81 768	62 626	60 000	2h
Russia (Asia)	6 760 050	7 685 700	8 143 850	7 667 000	7 873 000	1h
Russia (Europe)	33 004 950	37 524 300	39 761 150	37 433 000	38 437 000	1h

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Saudi Arabia	100 000	132 810	141 000	235 000	224 700	1a
Slovakia	262 416	255 200	255 356	238 075	174 570	1h
South Africa, Rep. of	19 779 000	19 179 346	21 909 787	22 620 000	23 714 610	1h
Spain	520 000	640 000	670 000	680 000	650 000	2n
Sweden	13 461 760	12 096 000	13 719 680	10 539 000	12 262 000	1a
Thailand	90 700	122 633	150 000	50 000	57 110	1a
Tunisia	118 800	119 880	98 820	95 000	94 000	1h
Turkey	3 943 237	3 246 841	2 649 567	2 634 356	2 600 000	2n
Ukraine	30 420 000	28 661 400	33 390 000	32 796 000	26 816 000	1a
United Kingdom	276	230	130	281	255	1a
United States	37 926 000	36 381 870	39 690 000	20 962 557	32 489 100	1a
Uruguay	2 500	3 837	6 000	9 743	7 768	1a
Venezuela	16 214 192	9 328 344	11 092 014	11 250 262	11 259 209	1e
Yugoslavia	130 000	120 000	100 000	80 000	75 000	2n
Zimbabwe	222 953	359 190	270 382	216 540	195 000	2h
Total	560 158 666	626 561 911	676 137 547	726 276 724	747 080 119	

## Chromium

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Afghanistan	1 500	1 900	2 352	2 500	2 700	2n
Albania	14 000	6 837	6 000	7 000	9 000	1h
Brazil	90 000	76 050	74 100	67 876	65 000	2n
China	70 000	65 000	63 000	62 000	60 000	2n
Cuba	17 000	18 000	18 500	18 711	18 800	2n
Finland	249 000	247 149	192 070	287 563	283 000	1h
Greece	1 950	1 000	800	780	770	2n
India	613 994	600 000	580 000	560 000	550 000	2n
Iran	146 200	154 460	127 409	145 170	220 435	1a
Japan	1 500	1 300	1 200	1 100	1 000	2n
Kazakhstan	688 000	820 000	728 545	874 254	1 019 100	1h
Madagascar	33 963	32 000	65 660	68 600	82 600	1h
Myanmar	120	100	100	135	140	2n
Oman	11 902	10 404	9 800	12 060	13 000	2n
Pakistan	5 180	9 789	9 000	9 900	8 928	1h
Philippines	12 188	17 531	19 000	20 000	4 744	1h
Russia (Europe)	58 500	45 000	44 000	43 000	42 000	2n
South Africa, Rep. of	2 786 400	2 999 502	2 913 132	2 420 880	2 831 728	1h
Sudan	14 000	11 424	26 160	30 000	32 000	2n
Turkey	604 997	433 658	229 205	163 699	160 000	2n
Viet Nam	2 000	1 800	1 900	2 000	2 200	2n
Zimbabwe	272 432	294 066	300 619	351 090	337 203	1h
Total	5 694 826	5 846 970	5 412 552	5 148 318	5 744 348	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Cobalt

Country	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Australia	2 000	4 100	5 700	5 900	6 000	2n
Botswana	352	329	331	211	269	1h
Canada	2 324	2 015	2 013	2 048	2 027	1h
China	600	800	850	1 200	1 842	1h
Congo,D.R.	0	2 308	3 570	3 875	2 209	1h
Cuba	1 500	2 996	3 427	3 910	4 000	2n
Kazakhstan	300	300	280	200	190	2n
Morocco	287	948	1 434	1 573	1 690	1a
Russia (Asia)	2 560	2 640	2 800	4 000	3 360	1h
Russia (Europe)	640	660	700	1 000	840	1h
South Africa, Rep. of	296	306	412	371	350	2n
Zaire	3 944	0	0	0	0	
Zambia	4 016	3 802	2 990	4 634	6 303	1h
Zimbabwe	100	129	79	95	100	2n
Total	18 919	21 333	24 586	29 017	29 180	

## Manganese

Country	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Australia	1 630 000	1 501 000	1 490 000	1 400 000	1 380 000	2n
Brazil	872 000	656 000	840 000	882 465	1 008 000	1h
Bulgaria	16 679	17 000	14 000	10 000	11 700	1a
Chile	14 345	12 152	12 515	12 700	13 000	2n
China	2 000 000	2 400 000	2 800 000	3 000 000	3 500 000	2n
Colombia	120	0	0	0	0	1e
Egypt	1 600	1 800	2 000	1 900	1 800	2n
Gabon	990 080	1 087 840	1 100 000	1 200 000	1 300 000	2n
Georgia	16 000	14 200	16 000	18 000	24 300	1a
Ghana	153 669	244 600	358 136	325 332	454 331	1h
Greece	1 898	1 000	330	90	0	1e
Hungary	8 700	11 060	11 000	11 600	11 400	1a
India	583 422	550 000	500 000	480 000	460 000	2n
Indonesia	25 205	38 532	26 200	26 000	25 800	2n
Iran	64 600	41 440	54 400	41 138	41 870	1a
Italy	924	972	1 000	980	960	2n
Kazakhstan	119 700	168 900	170 000	180 000	190 000	2n
Mexico	187 103	169 107	156 117	99 751	88 356	1a
Morocco	12 749	13 118	11 624	6 190	8 129	1a
Namibia	30 000	29 000	27 000	26 000	25 000	2n

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Romania	20 012	13 312	7 369	13 550	12 000	1h
South Africa, Rep. of	1 308 920	1 342 457	1 599 588	1 437 040	1 461 524	1h
Thailand	52	721	225	45	0	1a
Ukraine	1 446 900	1 293 500	1 189 500	1 761 500	1 758 000	1a
Total	9 504 678	9 607 711	10 387 004	10 934 281	11 776 170	

## Molybdenum

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Armenia	650	800	2 500	3 255	4 000	2n
Canada	7 563	6 250	6 883	8 540	7 521	1h
Chile	25 297	27 309	33 187	33 000	29 000	1h
China	37 000	44 500	48 000	52 663	54 534	1h
Iran	3 100	4 501	3 460	4 506	4 271	1a
Kazakhstan	100	110	600	600	650	2n
Mexico	5 948	7 961	6 886	5 518	3 428	1a
Mongolia	1 993	1 953	1 336	1 423	1 300	2n
Peru	4 344	5 471	7 193	9 500	8 600	1h
Russia (Asia)	1 920	2 304	2 400	2 304	2 208	2n
Russia (Europe)	80	96	100	96	92	2n
United States	53 500	40 695	31 600	37 600	32 600	1a
Uzbekistan	600	500	450	400	380	2n
Total	142 095	142 450	144 595	159 405	148 584	

## Nickel

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Australia	130 000	147 000	167 000	199 000	191 000	1h
Botswana	15 593	15 820	22 898	22 115	23 972	1h
Brazil	26 350	32 268	32 000	33 601	29 950	1h
Canada	200 908	176 749	181 027	184 000	178 000	1h
China	48 100	44 000	51 000	51 500	57 000	1h
Colombia	28 140	28 342	27 750	38 457	20 449	1e
Cuba	67 700	68 000	68 500	72 600	73 000	2n
Dominican Republic	25 200	25 000	27 850	21 779	21 000	2n
Finland	1 789	1 021	1 916	2 027	2 893	1h
Greece	15 000	13 462	17 126	17 675	19 229	1e
Indonesia	54 733	55 969	60 780	66 173	68 000	2n
Kazakhstan	1 200	0	0	0	0	1h
Macedonia	5 800	1 900	0	0	5 100	1h
New Caledonia	125 000	110 000	127 000	118 000	99 000	1h
Norway	2 964	2 715	2 287	2 499	1 540	1a
Philippines	12 840	9 374	17 000	24 500	28 000	2n

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Russia (Asia)	225 000	234 000	211 500	220 500	211 500	1h
Russia (Europe)	25 000	26 000	23 500	24 500	23 500	1h
South Africa, Rep. of	36 700	36 202	36 637	36 400	38 546	1h
United States	4 290	0	0	0	0	1a
Venezuela	0	0	2 400	10 600	1 200	1a
Yugoslavia	800	200	100	0	0	1h
Zimbabwe	10 135	9 594	7 122	8 100	8 092	1h
Total	1 063 242	1 037 616	1 085 393	1 154 026	1 100 971	

## Tantalum-Columbium

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Australia	300	320	330	340	350	2h
Bolivia	16	9	9	8	7	2n
Brazil	49 470	42 700	42 000	35 000	27 000	1h
Canada	2 200	2 379	2 239	2 200	3 400	1h
Congo,D.R.	0	6	5	4	4	2n
Ethiopia	50	65	70	55	74	2n
Nigeria	18	19	20	21	29	2n
Rwanda	260	265	270	275	96	1a
Zaire	8	0	0	0	0	
Total	52 322	45 763	44 943	37 903	30 960	

## Titanium

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Australia	1 538 850	1 351 020	1 379 550	1 980 000	2 000 000	1h
Brazil	53 000	54 000	54 000	66 936	64 800	1h
Canada	630 000	620 000	600 000	550 000	530 000	2n
China	110 000	150 000	160 000	170 000	175 000	2n
Egypt	20 410	22 000	24 000	23 000	22 000	2n
India	242 322	240 000	240 000	220 000	280 000	1h
Kazakhstan	12 000	11 500	11 300	11 000	10 800	2n
Malaysia	65 000	63 000	61 000	60 000	59 000	2n
Norway	261 134	256 889	306 281	344 211	367 019	1a
Russia (Europe)	22 000	24 000	25 000	25 500	25 500	2n
Sierra Leone	184 790	190 000	192 000	195 000	196 000	2n
South Africa, Rep. of	1 100 000	1 200 000	1 394 877	1 400 000	1 450 000	2n
Sri Lanka	19 917	36 550	37 000	36 800	36 500	2n
Ukraine	250 000	250 000	130 000	90 000	80 000	2n
United States	400 000	300 000	300 000	300 000	400 000	1a
Viet Nam	44 550	49 500	50 000	51 000	52 000	2n
Total	4 953 973	4 818 459	4 965 008	5 523 447	5 748 619	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Tungsten

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Austria	1 813	2 015	2 082	2 329	2 242	1e
Bolivia	627	421	481	500	550	1h
Brazil	0	0	0	55	70	2n
China	24 000	32 000	44 000	56 000	65 000	1h
DPR Korea	400	350	330	300	280	2n
Kazakhstan	200	180	160	150	140	2n
Mexico	130	10	0	0	0	1a
Mongolia	0	0	0	63	0	
Myanmar	9	7	2	1	1	1h
Peru	76	0	0	0	0	1h
Portugal	1 436	549	743	435	693	1a
Russia (Asia)	2 250	2 975	3 145	3 315	3 400	2n
Russia (Europe)	450	525	555	585	600	2n
Rwanda	75	73	70	68	212	1a
Thailand	61	54	54	92	53	1a
Uganda	7	32	40	45	48	2n
United States	100	0	0	0	0	1a
Uzbekistan	250	200	190	180	170	2n
Total	31 884	39 391	51 852	64 118	73 459	

## Vanadium

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
China	7 500	7 800	8 000	8 500	9 000	2n
Kazakhstan	1 000	1 000	1 100	1 000	900	2n
Russia (Europe)	9 000	9 000	8 700	8 500	4 000	2n
South Africa, Rep. of	17 159	17 612	18 021	18 500	18 600	2n
United States	2 000	1 800	1 893	1 900	2 000	2n
Total	36 659	37 212	37 714	38 400	34 500	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



## 6.4.2 Non-Ferrous Metals / Nichteisenmetalle

### Aluminium

Country	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Argentina	186 700	190 000	195 000	196 000	197 000	2n
Australia	1 686 000	1 742 000	1 769 000	1 790 000	1 810 000	1h
Azerbaijan	3 386	1 278	295	57	58	1a
Bahrain	460 000	430 000	400 000	460 000	460 000	1h
Brazil	1 210 000	1 250 000	1 270 000	1 140 000	1 100 000	2n
Cameroon	82 000	100 000	102 000	104 000	105 000	2n
Canada	2 374 100	2 389 000	2 373 000	2 583 000	2 709 000	1h
China	2 435 300	1 620 000	2 830 000	3 424 600	4 400 000	1h
Dubai (UAE)	250 000	250 000	300 000	320 000	330 000	2n
Egypt	187 200	190 000	162 617	186 479	190 000	2n
France	423 600	694 000	701 000	713 000	714 000	1h
Germany, Federal Rep.	612 380	633 803	643 545	651 600	655 000	2n
Ghana	56 100	55 000	54 000	52 000	50 000	2n
Greece	156 902	170 301	167 507	163 581	165 262	1e
Hungary	40 700	34 000	33 900	34 600	35 300	1a
Iceland	183 360	221 433	225 721	242 526	263 528	1h
India	543 451	609 500	665 000	625 000	628 000	1h
Iran	117 000	137 313	137 000	160 000	168 715	1a
Italy	187 000	205 567	210 000	187 400	180 000	2n
Japan	16 302	16 100	16 000	16 000	15 000	2n
Netherlands	263 700	270 000	240 000	230 000	220 000	2n
New Zealand	317 500	320 000	330 000	340 000	350 000	2n
Norway	995 500	1 000 000	1 030 000	1 100 000	1 150 000	2n
Poland	52 500	46 750	45 100	45 000	44 000	2n
Russia (Asia)	246 500	265 700	288 400	309 100	317 800	1h
Russia (Europe)	2 218 500	2 391 300	2 595 600	2 782 900	2 860 200	1h
Slovakia	108 006	106 000	105 000	100 000	99 000	2n
Slovenia	73 803	77 200	83 800	76 632	87 600	1h
South Africa, Rep. of	692 500	689 230	674 167	663 000	664 000	1h
Spain	360 400	363 900	365 000	376 400	380 000	2n
Suriname	27 100	30 000	32 000	33 000	35 000	2n
Sweden	95 700	95 000	94 700	94 000	90 000	2n
Switzerland	32 100	34 400	35 500	45 000	50 000	1h
Tajikistan	195 600	229 100	300 000	324 000	307 589	1h
Turkey	61 800	60 000	58 000	56 000	55 000	2n
Ukraine	106 700	112 000	103 500	106 093	112 459	1h
United Kingdom	258 400	272 211	305 099	340 778	344 318	1a
United States	3 712 690	3 779 000	3 668 000	2 637 000	2 700 000	1a
Venezuela	584 300	580 000	560 000	400 000	594 638	1a
Yugoslavia	78 000	75 000	72 000	65 000	63 000	2n
Total	21 692 780	21 736 086	23 241 451	23 173 746	24 700 467	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Antimony

Country	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Australia	1 800	1 800	1 800	1 000	900	2n
Bolivia	4 735	2 790	1 907	2 072	2 200	1h
Canada	554	357	364	234	143	1h
China	80 000	83 000	90 000	92 400	62 400	1h
Guatemala	750	400	60	0	0	2n
Iran	0	155	185	0	0	1a
Kyrgystan	1 298	1 320	1 505	1 500	1 324	1h
Mexico	1 301	273	52	81	155	1a
Peru	364	255	461	274	356	1h
Russia (Asia)	4 000	4 000	5 000	3 000	2 900	2n
South Africa, Rep. of	4 243	5 278	6 347	4 872	4 700	2n
Tajikistan	995	1 000	1 200	2 500	2 700	2n
Thailand	442	130	77	40	3	1a
Turkey	585	550	500	480	460	2n
United States	242	449	340	300	290	2n
Total	101 309	101 757	109 798	108 753	78 531	

## Arsenic

Country	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Bolivia	284	437	318	300	290	1h
Chile	11 355	12 000	12 500	12 700	12 800	2n
China	17 000	17 500	18 000	19 000	19 500	2n
Iran	350	375	315	91	61	1a
Japan	400	380	350	340	330	2n
Kazakhstan	1 300	1 000	950	900	890	1h
Mexico	2 573	2 419	2 522	2 381	1 946	1a
Namibia	175	0	0	685	880	1h
Peru	624	1 611	1 718	2 800	2 970	1h
Philippines	1 000	900	800	850	900	2n
Russia (Asia)	1 200	1 100	1 000	950	900	2n
Total	36 261	37 722	38 473	40 997	41 467	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Bauxite

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Albania	4 000	4 624	4 800	4 900	5 000	2n
Australia	46 444 000	51 046 000	53 801 000	54 000 000	53 900 000	1h
Brazil	13 500 000	13 500 000	14 100 000	13 790 000	18 200 000	1h
China	8 500 000	8 500 000	9 000 000	7 900 000	7 500 000	2n
Colombia	1 000	1 000	900	700	600	2n
Croatia	5 000	6 800	7 000	9 800	26 521	1a
France	80 000	75 000	73 000	90 000	95 000	2n
Germany, Federal Rep.	270	306	300	0	0	1a
Ghana	341 121	355 263	503 825	678 446	683 653	1h
Greece	1 714 023	1 882 505	1 965 561	2 047 255	2 468 865	1e
Guinea	17 000 000	17 200 000	18 072 000	17 312 000	17 000 000	2n
Guyana	2 606 000	2 639 000	2 687 000	2 011 000	1 568 099	1e
Hungary	460 600	473 900	473 900	330 000	294 000	1a
India	6 451 901	5 700 000	6 000 000	6 100 000	6 150 000	2n
Indonesia	1 055 647	1 116 323	1 151 000	1 150 806	1 283 000	1h
Iran	370 000	439 387	440 050	273 677	57 254	1a
Jamaica	12 600 000	11 600 000	11 400 000	12 350 301	13 120 000	1h
Kazakhstan	3 437 000	3 607 000	3 729 600	3 670 000	3 600 000	2n
Malaysia	160 271	222 724	123 270	64 161	39 975	1h
Mozambique	6 000	5 500	5 300	5 200	5 100	2n
Pakistan	9 662	9 200	8 700	5 900	8 760	1h
Romania	135 200	136 000	135 000	134 000	132 000	2n
Russia (Europe)	3 450 000	4 513 000	5 000 000	4 805 000	4 579 000	1h
Suriname	3 890 000	3 900 000	4 000 000	4 200 000	4 400 000	2n
Turkey	261 076	118 414	261 366	242 040	240 000	2n
Venezuela	4 825 647	2 123 640	2 181 232	2 257 358	2 631 354	1a
Yugoslavia	226 000	220 000	200 000	150 000	130 000	2n
Total	127 534 418	129 395 586	135 324 804	133 582 544	138 118 181	

## Bismuth

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Bolivia	0	0	6	4	4	2n
Canada	217	217	202	258	189	1h
China	650	2 000	2 200	2 500	2 800	1h
Japan	470	475	500	550	570	2n
Kazakhstan	50	55	60	65	70	2n
Mexico	1 204	548	1 112	1 390	1 126	1a

Peru	868	705	744	640	568	1h
Russia (Asia)	35	30	28	26	25	2n
Tajikistan	5	5	4	3	3	2n
Uzbekistan	3	3	2	2	2	2n
Total	3 502	4 038	4 858	5 438	5 357	

## Cadmium

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Algeria	50	40	38	37	36	2n
Argentina	30	28	26	25	24	1h
Australia	585	462	525	378	370	1h
Brazil	162	165	168	170	170	2n
Bulgaria	264	260	250	233	220	2n
Canada	1 323	1 212	1 095	1 058	896	1h
China	1 900	2 313	2 602	3 029	2 368	1h
DPR Korea	204	210	215	200	180	2n
Finland	520	700	680	600	400	2n
France	223	200	180	176	170	2n
Honduras	35	34	34	33	32	2n
India	231	220	225	250	260	1h
Italy	382	390	400	313	300	2n
Japan	2 342	2 100	2 439	2 467	2 589	1h
Kazakhstan	1 463	1 061	257	170	359	1h
Korea, Republic of	930	1 790	1 900	2 000	2 100	2n
Mexico	1 739	1 311	1 297	1 434	1 389	1a
Norway	270	230	200	200	190	2n
Peru	535	465	458	640	456	1h
Poland	218	200	190	180	175	1a
Russia (Asia)	800	900	750	925	925	1h
Spain	196	190	180	100	0	1a
Turkey	69	40	38	36	35	2n
United Kingdom	440	547	503	425	292	1a
United States	1 880	1 800	1 890	1 400	700	1a
Yugoslavia	80	85	82	0	0	1h
Total	16 871	16 953	16 622	16 479	14 636	

## Copper

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Afghanistan	680	1 200	1 800	2 000	2 100	2n
Albania	8 650	8 690	9 000	9 200	9 400	2n
Argentina	170 273	210 126	145 197	191 566	218 100	1h
Armenia	9 158	9 611	14 000	16 800	17 000	2n

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Australia	678 000	477 000	487 000	595 000	876 000	1h
Bolivia	84	252	110	0	0	1h
Botswana	19 432	18 239	20 960	18 112	21 498	1h
Brazil	33 500	31 200	31 000	34 448	30 642	1h
Bulgaria	87 500	111 730	114 144	124 390	108 444	1a
Canada	688 576	581 583	623 451	611 000	577 000	1h
Chile	3 702 000	4 010 000	4 602 000	4 766 000	4 620 000	1h
China	476 000	480 000	500 000	564 700	554 000	1h
Colombia	2 693	3 173	2 850	3 027	2 556	1e
Congo,D.R.	0	29 633	27 197	20 621	19 495	1h
Cuba	1 000	1 100	1 200	1 000	900	2n
Cyprus	5 000	5 004	5 200	5 500	3 695	1a
DPR Korea	12 000	13 000	14 000	12 000	10 000	2n
Finland	9 217	10 517	10 810	11 555	12 900	1h
Georgia	855	699	600	700	680	2n
Honduras	800	700	650	640	630	2n
India	48 249	50 032	54 034	57 240	78 864	1h
Indonesia	809 000	766 000	1 063 650	1 048 694	1 167 400	1h
Iran	111 000	131 763	155 850	143 500	134 632	1a
Japan	1 070	1 038	1 211	744	700	2n
Kazakhstan	337 600	374 000	430 200	470 000	431 700	1h
Macedonia	9 100	10 000	6 000	9 000	5 600	1h
Malaysia	13 907	14 596	10 200	8 000	7 000	2n
Mexico	344 766	340 147	338 999	349 360	314 820	1a
Mongolia	127 800	157 500	165 000	133 503	120 000	2n
Morocco	9 373	8 841	8 103	6 692	6 230	1a
Myanmar	960	8 010	7 920	7 773	6 355	1h
Namibia	8 739	13 000	20 000	27 015	17 850	1h
Norway	2 700	0	0	0	0	1a
Oman	993	900	1 000	1 200	1 300	2n
Papua New Guinea	152 200	188 000	203 000	204 000	211 315	1h
Peru	483 338	536 000	553 924	772 000	843 000	1h
Philippines	45 381	37 631	30 644	28 000	18 364	1h
Poland	479 000	496 000	486 000	536 000	572 000	1a
Portugal	114 515	99 472	76 300	99 472	77 227	1a
Romania	14 378	17 155	11 850	15 935	13 453	1h
Russia (Asia)	360 500	515 900	576 800	609 700	590 800	1h
Russia (Europe)	154 500	221 100	247 200	261 300	253 200	1h
Saudi Arabia	782	821	837	839	1 911	1a
Slovakia	670	124	110	110	100	2n
South Africa, Rep. of	166 000	144 163	137 000	141 900	129 589	1h
Spain	37 185	30 000	23 600	10 900	12 000	1a
Sweden	73 685	71 160	77 765	74 269	71 991	1a
Turkey	50 814	54 053	56 100	43 266	32 600	2n
United States	1 959 367	1 602 247	1 590 000	1 359 988	1 140 000	1a
Uzbekistan	70 000	60 000	80 000	70 000	68 000	2n
Yugoslavia	70 900	51 700	46 000	31 000	30 000	2n
Zaire	35 000	0	0	0	0	
Zambia	282 833	260 223	262 600	298 695	336 385	1h
Zimbabwe	2 941	4 977	3 143	2 100	2 000	2n
Total	12 284 664	12 270 010	13 336 209	13 810 454	13 781 426	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Gallium

Country	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
China	6	7	8	15	18	2n
Hungary	3	5	5	5	5	1a
Japan	4	3	3	2	2	2n
Total	13	15	16	22	25	

## Germanium

Country	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
China	10	11	12	13	14	2n
Russia (Asia)	7	6	6	5	5	2n
United States	22	20	23	20	20	1h
Total	39	37	41	38	39	

## Lead

Country	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Algeria	700	600	550	540	520	2n
Argentina	15 004	14 256	14 115	12 334	12 931	1h
Australia	662 000	692 000	678 000	726 000	658 000	1h
Bolivia	13 848	10 153	9 523	9 100	9 000	1h
Brazil	7 600	9 000	10 500	14 779	11 000	1h
Bulgaria	34 595	25 000	19 541	26 400	43 845	1a
Canada	151 708	155 369	143 049	149 000	99 000	1h
Chile	337	608	784	1 000	3 000	1h
China	757 000	859 000	569 600	599 200	640 000	1h
Colombia	514	514	500	200	200	2n
DPR Korea	25 000	20 000	22 000	26 000	28 000	2n
Greece	18 792	20 165	15 553	26 015	28 036	1h
Honduras	6 800	8 298	10 000	11 000	11 200	2n
India	37 222	35 000	35 500	50 000	71 000	1h
Iran	10 920	14 170	14 200	12 000	8 000	1a
Ireland	35 900	39 200	57 500	44 500	41 700	1a
Italy	10 102	6 000	5 000	4 000	4 000	1h
Japan	6 198	6 074	8 835	4 997	5 723	1a
Kazakhstan	30 100	34 100	39 300	37 500	37 000	2n
Korea, Republic of	3 558	3 644	2 724	1 975	1 900	2n

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Macedonia	30 000	12 300	16 500	9 000	4 000	1h
Mexico	171 610	131 402	160 607	148 625	138 749	1a
Morocco	71 326	70 794	72 856	66 514	54 920	1a
Myanmar	1 255	1 500	775	1 105	1 200	1h
Namibia	12 800	9 361	11 114	13 025	13 190	1h
Norway	1 800	1 000	0	0	0	1a
Peru	257 713	271 000	270 576	290 000	298 000	1h
Poland	64 300	64 000	68 400	74 000	73 000	1a
Romania	6 540	7 612	13 338	18 180	19 000	1h
Russia (Asia)	18 240	53 050	49 445	57 600	51 840	1h
Russia (Europe)	760	2 210	2 060	2 400	2 160	1h
South Africa, Rep. of	84 100	80 191	75 280	50 700	55 000	1h
Spain	19 000	28 000	58 500	35 600	6 200	1a
Sweden	114 430	116 393	106 584	85 975	42 954	1a
Tajikistan	800	1 000	1 500	2 000	2 200	2n
Thailand	6 445	9 989	10 399	800	6 500	1a
Tunisia	7 000	10 000	11 000	8 000	8 000	1h
Turkey	10 800	5 462	5 600	6 651	7 000	2n
United Kingdom	1 600	1 000	1 000	800	700	2a
United States	481 000	503 000	405 537	453 963	440 000	1a
Uzbekistan	900	800	750	650	0	1h
Yugoslavia	16 700	8 600	3 800	4 300	4 500	2n
Total	3 207 017	3 341 815	3 002 395	3 086 428	2 943 168	

## Lithium

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Australia	7 000	6 000	5 500	6 000	6 000	1h
Brazil	25	24	27	27	28	2n
Canada	700	720	730	740	750	2n
Chile	11 473	12 222	14 502	12 533	14 150	1h
China	730	710	700	700	690	2n
Namibia	90	100	95	95	93	1h
Portugal	200	135	91	130	191	1a
Russia (Asia)	750	700	680	650	630	2n
United States	2 500	2 000	1 800	1 300	1 500	2n
Zimbabwe	701	917	948	902	1 260	1h
Total	24 169	23 528	25 073	23 077	25 292	

## Mercury

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Algeria	224	240	240	220	620	2h
China	410	196	200	200	495	1h
Finland	54	55	77	71	51	1h
Kyrgystan	629	628	550	574	530	1h
Mexico	15	15	16	15	13	1a
Russia (Asia)	50	40	20	20	18	2n
Spain	672	433	236	524	726	1a
Tajikistan	35	35	40	40	35	1h
Ukraine	40	40	38	30	25	2n
Total	2 129	1 682	1 417	1 694	2 513	

## Rare Earths Concentrates

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Australia	800	600	300	0	0	1h
Brazil	400	350	340	335	200	1h
China	50 000	70 000	73 000	75 000	75 000	1h
Congo,D.R.	0	2	1	0	0	2n
DPR Korea	700	600	500	400	380	2n
India	2 500	2 300	2 000	2 500	2 700	1h
Malaysia	500	450	420	400	390	2n
Sri Lanka	100	90	90	85	80	2n
United States	10 000	5 000	5 000	5 000	5 000	2a
Zaire	3	0	0	0	0	
Total	65 003	79 392	81 651	83 720	83 750	

## Tellurium

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Canada	57	64	80	60	45	1h
Japan	38	35	34	34	35	2n
Mongolia	3	4	5	4	5	2n
Peru	22	20	21	19	22	1h
United States	90	80	80	80	80	1a
Total	210	203	220	197	187	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



## Tin

Country	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Australia	9 822	9 828	9 146	9 640	7 500	1h
Bolivia	11 308	12 417	12 464	12 000	11 800	1h
Brazil	14 607	13 200	13 800	13 048	11 584	1h
China	70 000	92 000	111 000	91 600	77 300	1h
Congo,D.R.	0	0	0	0	700	2n
India	36	45	50	52	53	2n
Indonesia	53 959	49 708	46 400	50 237	66 620	1h
Laos	226	320	435	500	550	2n
Malaysia	5 754	7 340	6 307	4 972	4 214	1h
Mexico	5	4	4	8	9	1a
Myanmar	311	426	636	525	241	1h
Niger	26	32	22	19	18	2n
Nigeria	1 400	1 200	1 100	1 000	1 100	2n
Peru	25 747	30 400	37 410	38 200	38 815	1h
Portugal	2 958	2 163	1 227	2 163	361	1a
Russia (Asia)	4 500	4 500	5 200	5 000	5 000	1h
Rwanda	140	150	160	170	289	1a
Spain	5	11	1	1	3	1a
Thailand	2 028	3 400	2 363	2 383	1 384	1a
Uganda	1	0	0	0	0	1h
United Kingdom	400	100	0	0	0	1a
Viet Nam	2 770	2 500	2 400	2 300	2 200	2n
Total	206 003	229 744	250 125	233 818	229 741	

## Zinc

Country	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Algeria	4 644	5 292	5 600	5 700	5 000	2h
Argentina	35 560	34 192	33 761	39 703	36 358	1h
Armenia	500	871	900	950	980	2n
Australia	1 142 000	1 265 000	1 410 000	1 500 000	1 490 000	1h
Bolivia	152 110	146 316	149 134	142 000	140 000	1h
Brazil	140 000	96 500	99 000	111 432	133 322	1h
Bulgaria	16 000	19 675	19 448	23 600	50 834	1a
Canada	1 064 500	963 321	935 686	1 010 000	892 000	1h
Chile	15 943	15 486	15 073	15 840	17 280	1h
China	1 209 800	1 200 000	1 350 000	1 572 100	2 080 000	1h
Congo,D.R.	0	1 200	1 100	800	0	
DPR Korea	48 000	45 000	34 000	28 000	28 000	1h
Finland	32 879	19 751	17 500	20 131	35 000	1h
Georgia	1 000	900	880	1 000	1 100	2n
Greece	17 604	18 059	16 835	17 545	18 551	1h
Honduras	40 408	35 647	35 000	34 500	34 200	2n

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

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India	193 129	180 000	175 000	205 000	234 000	1h
Iran	69 000	72 875	73 210	75 000	81 000	1a
Ireland	177 200	195 900	263 000	298 100	276 700	1a
Italy	4 472	9 734	10 000	9 000	8 000	2n
Japan	67 670	64 263	63 601	44 519	42 851	1a
Kazakhstan	224 300	288 000	322 100	344 700	286 283	1h
Korea, Republic of	10 489	19 664	11 473	10 259	10 000	2n
Macedonia	14 300	8 000	12 200	5 000	2 100	1h
Mexico	371 898	339 758	358 576	427 273	431 662	1a
Morocco	108 006	108 099	100 870	87 416	89 238	1a
Myanmar	500	450	430	259	200	2n
Namibia	39 800	34 639	39 126	31 803	42 685	1h
Norway	1 800	0	0	0	0	1a
Peru	868 757	899 000	910 303	1 056 000	1 222 000	1h
Poland	176 000	177 000	157 000	182 000	170 000	1a
Romania	25 052	31 020	48 024	58 285	50 000	1h
Russia (Asia)	101 200	203 553	212 102	219 120	225 280	1h
Russia (Europe)	13 800	27 757	28 923	29 880	30 720	1h
Saudi Arabia	3 550	3 161	3 047	1 911	1 209	1a
South Africa, Rep. of	69 600	69 733	62 990	61 200	64 173	1h
Spain	128 000	155 000	200 200	160 700	64 900	1a
Sweden	164 711	174 448	176 788	156 334	148 620	1a
Thailand	25 200	24 000	23 900	17 733	30 373	1a
Tunisia	33 630	52 510	44 250	41 000	37 000	1h
Turkey	45 795	46 300	34 539	30 000	33 100	1h
United States	755 000	807 876	828 000	799 063	780 000	1a
Uzbekistan	1 100	1 000	950	800	0	1h
Yugoslavia	15 000	3 600	3 300	6 000	6 500	2n
Zaire	1 234	0	0	0	0	
Total	7 631 141	7 864 550	8 287 819	8 881 656	9 331 219	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

### 6.4.3 Precious Metals / Edelmetalle

#### Gold

Country	1998 kg	1999 kg	2000 kg	2001 kg	2002 kg	Rem
Argentina	20 400	38 515	26 388	30 630	32 486	1h
Armenia	250	200	180	170	160	2n
Australia	302 760	383 000	349 000	281 000	264 000	1h
Bolivia	14 443	11 787	12 001	12 374	12 400	1h
Botswana	0	0	2	2	21	1h
Brazil	49 000	43 000	48 000	52 953	38 058	1h
Bulgaria	1 213	1 033	1 000	1 538	2 612	1a
Burkina Faso	1 500	886	880	212	200	2n
Burundi	30	28	26	25	23	2n
Canada	166 089	157 617	153 781	157 854	147 866	1h
Central African Rep.	100	90	85	83	82	2n
Chile	64 800	69 900	54 173	43 000	39 000	1h
China	161 000	156 000	162 000	216 800	189 800	1h
Colombia	18 811	34 599	37 018	21 813	20 799	1e
Congo,D.R.	0	207	112	50	50	2n
Costa Rica	635	380	350	320	310	2n
Cote d'Ivoire	1 400	2 030	2 054	2 060	2 100	2n
Cuba	300	600	900	1 000	900	2n
DPR Korea	3 500	3 200	3 100	2 500	2 300	2n
Dominican Republic	1 450	660	600	550	540	2n
Ecuador	1 727	1 600	2 871	2 367	2 408	1e
Eritrea	573	530	520	270	250	2n
Ethiopia	3 712	2 330	2 200	4 640	3 400	2n
Fiji	3 501	3 881	3 841	4 907	3 971	1h
Finland	4 980	3 159	5 220	1 495	4 700	1h
France	3 800	3 000	2 800	1 700	1 300	2n
French Guiana	3 100	3 200	3 300	3 400	3 500	2n
Gabon	80	70	65	63	60	2n
Georgia	800	1 190	1 200	1 600	1 650	2n
Ghana	74 315	81 496	76 522	72 902	69 537	1h
Guinea	5 000	4 070	13 105	16 263	17 000	2n
Guyana	14 863	14 450	13 754	14 412	13 580	1e
Honduras	87	70	65	65	60	2n
India	2 463	2 030	3 200	3 800	3 900	2n
Indonesia	123 862	127 767	127 192	166 090	139 650	1h
Iran	822	765	780	340	250	1a
Italy	1 117	894	822	522	500	2n
Japan	8 601	9 410	8 400	7 815	8 615	1a
Kazakhstan	18 000	19 982	20 000	25 010	26 000	2n
Kenya	388	990	1 243	1 545	1 477	1e
Korea, Republic of	200	320	350	370	380	2n
Kyrgystan	21 000	20 000	21 000	24 000	18 000	1h

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Macedonia	700	750	750	730	500	1h
Madagascar	33	40	42	10	10	2n
Malaysia	3 394	3 449	4 026	3 965	4 289	1h
Mali	22 000	17 160	25 900	41 011	56 000	1h
Mauritania	1 700	1 700	1 650	1 600	1 600	2n
Mexico	25 982	23 475	25 822	25 749	23 594	1a
Mongolia	9 531	10 246	11 808	12 092	13 000	2n
Morocco	0	0	334	1 191	2 746	1a
Mozambique	230	220	200	190	180	2n
Myanmar	121	116	93	64	84	1h
Namibia	1 882	2 008	2 417	2 851	2 815	1h
New Zealand	7 700	8 600	9 800	9 850	9 770	1h
Nicaragua	2 050	5 416	6 000	6 300	6 500	2n
Niger	20	25	27	30	28	1e
Nigeria	320	200	150	150	140	2n
Oman	579	597	604	603	600	2n
Panama	1 500	1 500	1 500	1 500	1 000	2n
Papua New Guinea	59 712	65 000	74 540	67 043	63 156	1h
Peru	94 214	128 090	132 585	138 020	152 200	1e
Philippines	34 038	31 050	31 050	29 600	35 848	1h
Poland	370	350	367	349	296	1a
Romania	1 000	1 500	2 000	2 500	3 000	1h
Russia (Asia)	96 720	117 180	133 920	144 150	159 030	1h
Russia (Europe)	7 280	8 820	10 080	10 850	11 970	1h
Rwanda	120	100	90	85	80	2n
Saudi Arabia	5 099	4 580	3 637	4 239	4 208	1a
Senegal	600	630	640	650	600	1e
Sierra Leone	370	360	365	370	373	2n
Slovakia	340	302	306	157	78	1h
Solomon Islands	142	343	155	150	140	2n
South Africa, Rep. of	464 200	451 184	428 221	394 765	399 200	1h
Spain	3 295	5 081	4 310	4 400	5 512	1a
Sudan	6 000	5 565	5 773	5 800	6 000	2n
Sweden	5 944	4 202	3 570	4 986	5 757	1a
Tajikistan	3 200	2 700	3 000	2 700	2 528	1h
Tanzania	427	4 767	15 060	30 088	42 300	1h
Thailand	25	0	0	313	4 950	1a
Uganda	8 150	4 730	4 410	6 090	7 000	2n
United States	366 000	341 000	354 000	335 285	298 100	1a
Uzbekistan	81 000	86 000	87 000	87 000	87 000	1h
Venezuela	8 808	6 000	4 000	2 493	9 465	1a
Yugoslavia	2 684	1 260	1 121	1 100	1 000	2n
Zaire	134	0	0	0	0	
Zambia	145	145	150	155	158	2n
Zimbabwe	25 175	27 114	22 007	18 005	15 468	1h
Total	2 453 606	2 578 491	2 573 580	2 577 739	2 512 168	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Platinum

Country	1998 kg	1999 kg	2000 kg	2001 kg	2002 kg	Rem
Australia	430	420	410	400	380	2n
Canada	14 522	13 872	15 439	18 154	21 829	1h
Colombia	411	488	340	674	661	1e
Japan	533	650	630	620	620	2n
Russia (Asia)	24 000	25 600	28 000	32 000	48 000	1h
Russia (Europe)	6 000	6 400	7 000	8 000	12 000	1h
South Africa, Rep. of	180 000	216 479	206 770	129 746	133 800	1h
United States	13 810	12 700	13 100	3 608	4 390	1a
Yugoslavia	3	2	1	0	0	1h
Zimbabwe	273	390	504	519	2 306	1h
Total	239 982	277 001	272 194	193 721	223 986	

## Silver

Country	1998 kg	1999 kg	2000 kg	2001 kg	2002 kg	Rem
Algeria	1 500	1 400	1 300	1 250	1 200	2n
Argentina	56 600	73 788	78 271	152 802	113 027	1h
Australia	1 594 000	1 894 000	1 900 000	1 970 000	2 110 880	1h
Bolivia	403 961	422 492	433 592	409 700	400 000	1h
Botswana	0	0	0	0	162	1h
Brazil	25 000	24 000	30 000	46 046	48 000	2n
Bulgaria	23 700	23 000	24 000	25 000	26 000	2n
Canada	1 115 000	1 174 000	1 161 000	1 224 000	1 344 000	1h
Chile	1 123 500	1 133 500	1 242 194	1 349 000	1 210 000	1h
China	1 350 000	1 375 000	1 500 000	1 800 000	1 390 000	1h
Colombia	5 218	7 594	7 970	7 242	6 986	1e
DPR Korea	80 000	50 000	50 000	50 000	48 000	2n
Dominican Republic	7 530	3 190	3 000	2 500	2 400	2n
Fiji	1 804	2 159	1 474	2 109	1 972	1h
Finland	29 700	22 000	15 000	8 389	15 000	1h
France	1 000	800	600	600	590	2n
Ghana	600	550	520	520	500	2n
Greece	64 800	65 000	65 200	65 400	66 000	2n
Honduras	48 197	37 766	37 000	36 000	35 000	2n
India	55 363	60 000	56 000	55 000	54 000	2n
Indonesia	383 191	361 377	314 032	348 332	289 450	1h
Iran	1 720	1 630	1 650	815	800	2n
Ireland	10 800	10 400	16 700	8 700	7 500	1a
Italy	60 000	50 000	48 000	40 000	39 000	2n
Japan	94 472	94 000	103 781	80 397	81 416	1a
Kazakhstan	535 800	904 000	637 000	755 000	786 800	1h
Korea, Republic of	4 500	4 144	4 688	4 800	4 900	2n

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

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Macedonia	20 000	22 000	20 000	15 000	12 000	1h
Malaysia	2 744	7 285	500	480	460	2n
Mexico	2 868 099	2 455 986	2 746 852	3 030 437	3 146 257	1a
Mongolia	18 000	17 000	16 500	21 000	23 000	2n
Morocco	307 000	278 000	270 000	246 204	238 043	1h
Myanmar	3 643	2 159	1 432	577	559	1h
Namibia	23 000	15 000	900	1 800	1 500	2h
New Zealand	22 700	24 300	22 900	26 900	28 700	1h
Nicaragua	1 300	2 167	2 500	2 800	3 000	2n
Norway	2 000	1 800	1 500	1 300	1 200	2n
Oman	286	300	320	289	250	2n
Panama	350	330	310	200	100	2n
Papua New Guinea	59 295	59 000	79 197	69 368	64 007	1h
Peru	2 024 570	2 217 000	2 437 706	2 673 000	2 761 000	1h
Philippines	18 220	18 214	23 534	29 591	8 811	1h
Poland	1 100 000	1 096 000	1 144 000	1 163 000	1 571 000	1a
Portugal	31 880	26 450	20 430	23 100	19 500	1a
Romania	18 000	17 800	17 500	17 300	15 000	1h
Russia (Asia)	315 000	337 500	565 200	561 600	711 000	1h
Russia (Europe)	35 000	37 500	62 800	62 400	79 000	1h
Saudi Arabia	13 844	10 472	9 390	9 548	11 960	1a
Slovakia	436	287	178	98	95	2n
Solomon Islands	3	2	1	1	1	2n
South Africa, Rep. of	144 500	151 960	144 231	109 570	116 920	1h
Spain	63 000	129 000	221 000	89 000	3 000	1a
Sweden	299 051	341 584	328 737	306 029	320 823	1a
Tunisia	400	350	330	370	380	2n
Turkey	82 860	110 000	109 000	108 000	106 000	2n
United States	2 060 000	1 950 000	2 259 000	1 735 606	1 420 000	1a
Yugoslavia	34 500	7 600	9 100	5 700	5 500	2n
Zambia	8 239	8 500	8 700	8 800	8 900	2n
Zimbabwe	6 881	5 396	3 799	1 768	1 500	2n
Total	16 662 757	17 146 732	18 260 519	18 764 438	18 763 049	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## 6.4.4 Industrial Minerals / Industrieminerale

### Asbestos

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Brazil	198 300	188 400	180 000	172 695	194 732	1h
Bulgaria	672	650	620	600	0	1a
Canada	309 000	337 000	320 000	294 000	241 000	1h
China	250 000	300 000	260 000	300 000	360 000	1h
Colombia	14 000	14 200	14 500	14 700	8 000	1h
Egypt	2 000	2 100	1 154	365	350	2n
Greece	35 068	35 068	0	0	0	1e
India	19 109	18 000	16 000	15 000	20 000	1h
Iran	75 000	65 953	67 200	75 000	70 000	1a
Kazakhstan	125 000	120 000	233 200	178 400	235 000	1h
Pakistan	130	140	145	150	160	2n
Russia (Asia)	130 000	134 000	158 000	147 000	150 000	1h
Russia (Europe)	520 000	536 000	632 000	588 000	600 000	1h
South Africa, Rep. of	27 200	18 322	18 782	13 393	13 400	1h
Swaziland	27 700	22 912	12 700	10 000	9 500	2n
United States	5 760	7 190	5 798	5 260	2 720	1a
Yugoslavia	750	800	780	760	750	2n
Zimbabwe	123 295	87 872	151 954	136 700	167 954	1h
Total	1 862 984	1 888 607	2 072 833	1 952 023	2 073 566	

### Baryte

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Afghanistan	3 700	4 100	5 200	5 500	5 600	2n
Algeria	37 000	50 500	53 000	54 000	55 000	2n
Argentina	10 000	9 000	8 500	8 500	8 400	2n
Armenia	320	300	280	270	250	2n
Australia	13 000	13 300	13 400	13 500	16 000	2h
Belgium	30 000	14 301	28 000	30 000	29 000	2n
Bolivia	2 500	6 005	3 050	3 000	2 900	2n
Brazil	52 000	52 500	52 800	53 000	53 000	2h
Bulgaria	120 000	130 000	120 000	125 000	100 000	1a
Canada	80 000	67 000	20 000	15 000	14 000	2n
Chile	1 430	823	1 026	1 200	1 400	2n
China	3 200 000	2 800 000	3 200 000	3 800 000	4 000 000	2n
Colombia	1 500	1 600	1 700	1 800	1 700	2n
DPR Korea	100 000	120 000	140 000	150 000	160 000	2n
Ecuador	0	2 532	1 476	0	0	1e
Egypt	0	0	0	101	200	2n

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

France	75 000	73 000	70 000	69 000	65 000	2n
Germany, Federal Rep.	123 272	118 489	111 790	108 111	100 993	1a
Greece	643	10 000	200	70	10	1e
Guatemala	1 300	900	131	100	80	2n
India	659 318	500 000	650 000	700 000	780 000	1h
Iran	180 000	183 034	182 900	195 539	179 652	1a
Italy	31 791	24 557	20 000	18 000	15 000	1h
Kazakhstan	300 000	320 000	330 000	340 000	300 000	2n
Malaysia	17 000	13 506	16 200	16 500	16 600	2n
Mexico	161 555	157 953	127 668	142 017	163 620	1a
Morocco	353 438	328 950	320 243	445 788	469 934	1a
Myanmar	18 562	27 679	32 669	31 015	24 232	1h
Nigeria	12 000	10 000	9 500	9 400	9 300	2n
Pakistan	24 472	22 728	21 230	27 100	26 100	1h
Peru	63 000	63 500	64 000	65 000	66 000	2n
Poland	25 000	28 000	29 000	29 500	30 000	1a
Portugal	0	0	100	25	24	1a
Romania	6 644	4 579	4 266	2 849	2 500	1n
Russia (Asia)	54 000	49 500	47 700	46 800	45 000	2n
Russia (Europe)	6 000	5 500	5 300	5 200	5 000	2n
Saudi Arabia	5 479	13 200	15 859	15 000	15 000	2a
Slovakia	15 300	31 600	30 300	34 000	25 820	1h
South Africa, Rep. of	600	2 844	1 628	1 200	1 100	1h
Spain	83 000	61 400	22 000	44 000	41 000	1a
Thailand	96 421	68 012	49 220	2 879	114 754	1a
Tunisia	9 000	4 000	5 000	5 500	5 600	2n
Turkey	160 042	150 058	120 893	102 323	160 000	1h
United Kingdom	64 000	59 000	54 000	66 000	59 000	1a
United States	660 000	434 000	391 865	400 183	419 800	1a
Zimbabwe	1 844	3 140	3 500	3 800	4 000	2n
Total	6 860 131	6 041 090	6 385 594	7 187 770	7 592 569	

## Bentonite

C o u n t r y	1998	1999	2000	2001	2002	Rem
	metr.t	metr.t	metr.t	metr.t	metr.t	
Algeria	16 000	15 500	15 000	14 800	14 500	2n
Argentina	137 210	152 300	167 600	130 000	88 685	1h
Armenia	65 000	63 000	60 000	58 000	56 000	2n
Australia	58 000	57 000	56 000	55 000	53 000	2n
Bolivia	1 334	1 400	1 500	1 600	1 800	2n
Brazil	230 000	240 000	245 000	160 381	150 000	2n
Chile	721	1 104	1 314	1 500	1 700	2n
Colombia	9 000	9 000	9 200	9 400	9 500	2n
Croatia	3 500	5 200	3 500	3 100	1 000	2n
Cyprus	170 000	140 182	126 300	115 460	128 000	1a
Czech Republic	125 000	160 000	280 000	224 000	174 000	1a
Egypt	1 545	1 500	1 490	0	0	1h
Germany, Federal Rep.	508 738	476 580	464 616	447 913	495 310	1a

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



Greece	1 148 408	1 099 657	1 148 694	1 258 872	1 056 598	1e
Guatemala	2 278	4 300	3 317	3 200	3 000	2n
Hungary	26 700	9 301	5 200	5 200	4 000	1a
India	250 000	230 000	200 000	190 000	180 000	1h
Indonesia	3 756	50 322	39 300	11 836	11 500	2n
Iran	115 000	131 240	135 000	113 299	125 510	1a
Italy	600 000	562 674	550 000	530 000	250 000	1h
Japan	443 566	420 000	428 247	415 115	410 000	2n
Korea, Republic of	110 000	112 258	67 652	116 530	120 000	2n
Macedonia	3 000	2 800	2 500	3 000	3 000	2n
Mexico	185 729	208 610	269 730	415 133	432 940	1a
Morocco	47 881	36 528	21 352	80 434	58 754	1a
Myanmar	720	700	680	572	550	2n
New Zealand	4 200	4 400	4 500	4 600	4 700	2n
Nicaragua	400	370	350	340	320	2n
Pakistan	13 998	14 303	13 850	10 700	11 220	1h
Peru	19 563	18 000	17 800	17 600	17 500	2n
Philippines	3 900	1 844	2 000	2 100	2 500	1e
Poland	2 100	2 300	2 500	2 600	2 800	1a
Romania	18 042	12 590	35 789	23 779	15 402	1h
Russia (Asia)	250 000	240 000	230 000	220 000	200 000	2n
Russia (Europe)	1 000 000	960 000	920 000	880 000	800 000	2n
Slovakia	81 010	60 000	75 000	80 000	65 500	1h
Slovenia	0	0	0	0	201	1a
South Africa, Rep. of	48 400	49 261	112 637	115 000	117 000	2n
Spain	110 000	190 000	160 000	210 000	100 000	1a
Thailand	5 806	4 535	2 100	200	1 700	1a
Turkey	565 708	899 614	636 273	674 577	680 000	2n
Turkmenistan	2 100	2 000	1 919	1 800	1 750	2n
United Kingdom	138 000	135 000	65 500	52 000	44 000	1a
United States	3 820 000	4 069 996	3 405 260	3 817 049	3 970 700	1a
Uruguay	65	120	130	125	70	1a
Total	10 346 378	10 855 489	9 988 800	10 476 815	9 864 710	

## Boron

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Argentina	275 422	302 900	512 624	673 320	509 630	1h
Bolivia	7 026	6 746	33 951	35 000	36 000	2n
Chile	280 140	324 691	350 000	370 000	390 000	2n
China	65 000	70 000	75 000	78 000	80 000	2n
Iran	2 800	2 543	2 850	3 212	2 079	1a
Kazakhstan	60 000	55 000	53 000	50 000	48 000	2n
Peru	17 945	15 000	14 500	14 300	14 100	2n
Turkey	1 597 367	1 242 228	1 729 676	1 379 581	1 300 000	2n
United States	1 170 000	1 220 000	1 072 000	1 052 000	1 000 000	2n
Total	3 475 700	3 239 108	3 843 601	3 655 413	3 379 809	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Diamonds (Gem)

Country	1998 carats	1999 carats	2000 carats	2001 carats	2002 carats	Rem
Angola	2 700 000	3 262 500	3 605 400	4 050 000	5 400 000	2n
Australia	14 379 200	11 880 000	7 932 800	10 592 000	13 400 000	1h
Botswana	13 841 100	14 943 000	14 943 600	18 412 000	19 877 900	1h
Brazil	280 000	350 000	455 000	490 000	525 000	2n
Canada	203 000	2 429 000	2 435 000	3 716 000	4 984 000	1h
Central African Rep.	425 000	382 500	382 500	521 900	552 500	2n
China	36 000	34 000	32 000	40 000	76 000	2n
Congo,D.R.	0	4 400 000	3 300 000	3 900 000	4 340 000	1h
Cote d'Ivoire	14 400	12 000	12 000	16 000	16 000	1h
Ghana	161 148	175 602	137 310	140 000	192 698	1h
Guinea	225 000	288 736	276 449	300 000	337 500	2n
Guyana	10 044	13 620	25 538	53 839	74 530	1e
India	12 102	14 400	16 000	18 000	20 000	2n
Liberia	27 630	65 000	55 250	50 375	48 750	2n
Namibia	1 368 000	1 557 050	1 474 400	1 420 250	1 472 500	2n
Russia (Asia)	10 500 000	11 500 000	15 800 000	20 500 000	20 000 000	2n
Sierra Leone	201 000	214 400	176 812	117 375	100 500	2n
South Africa, Rep. of	4 302 400	4 008 800	4 322 123	4 466 966	4 350 452	2n
Swaziland	13 200	12 000	11 000	11 000	12 000	2n
Tanzania	81 033	199 580	269 450	162 350	255 000	1h
Venezuela	38 724	52 000	43 830	60 000	45 707	1a
Zaire	5 200 000	0	0	0	0	
Zimbabwe	8 511	13 795	6 908	6 908	6 750	2n
Total	54 027 492	55 807 983	55 713 370	69 044 963	76 087 787	

## Diamonds (Ind)

Country	1998 carats	1999 carats	2000 carats	2001 carats	2002 carats	Rem
Angola	300 000	362 500	400 600	450 000	600 000	2n
Australia	21 568 800	17 820 000	11 899 200	15 888 000	20 100 000	1h
Botswana	5 931 900	6 404 400	6 404 400	7 925 000	8 519 100	1h
Brazil	120 000	150 000	195 000	210 000	225 000	2n
Central African Rep.	75 000	67 500	67 500	92 100	97 500	2n
China	144 000	136 000	128 000	160 000	304 000	2n
Congo,D.R.	0	17 600 000	13 200 000	15 709 600	17 360 000	1h
Cote d'Ivoire	3 600	3 000	3 000	4 000	4 000	1h
Ghana	644 594	702 409	549 241	560 000	770 794	1h
Guinea	75 000	96 245	92 149	100 000	112 500	2n
Guyana	23 436	31 780	59 589	125 624	173 906	1e
India	22 477	21 600	24 000	27 000	30 000	2n
Liberia	57 380	135 000	114 750	104 625	101 250	2n
Myanmar	7	6	5	5	4	2n

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Namibia	72 000	81 950	77 600	74 750	77 500	2n
Russia (Asia)	10 500 000	11 500 000	15 800 000	20 500 000	20 000 000	2n
Sierra Leone	99 000	105 600	117 375	106 812	49 500	2n
South Africa, Rep. of	6 453 600	6 013 200	6 483 184	6 700 450	6 525 678	2n
Swaziland	52 800	48 000	44 000	44 000	48 000	2n
Tanzania	14 300	35 220	47 550	28 650	45 000	1h
Venezuela	58 087	78 000	65 750	90 000	61 061	1a
Zaire	20 800 000	0	0	0	0	
Zimbabwe	19 861	31 727	16 120	16 420	15 750	2n
Total	67 035 842	61 424 137	55 789 013	68 917 036	75 220 543	

## Diatomite

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Algeria	2 100	2 000	1 800	1 700	1 500	2n
Argentina	9 500	10 000	11 000	11 500	11 800	2n
Armenia	350	320	300	280	250	2n
Australia	9 800	9 500	9 300	9 100	9 000	2n
Brazil	13 000	12 500	10 000	7 386	7 000	2n
Canada	3 500	3 300	3 000	2 800	2 600	2n
Chile	14 868	14 477	13 384	14 300	14 000	2n
Costa Rica	10 500	10 300	10 000	11 800	11 500	2n
Czech Republic	35 000	37 000	34 000	83 000	28 000	1a
Ethiopia	700	600	650	670	690	2n
France	75 000	73 000	70 000	70 000	68 000	2n
Iceland	25 734	28 482	27 614	30 434	26 494	1h
Iran	0	4 350	5 200	0	0	1a
Kenya	468	507	448	441	1 333	1e
Korea, Republic of	78 000	80 222	34 143	27 530	26 000	2n
Mexico	62 000	62 500	96 448	69 474	62 322	1a
Peru	18 000	16 000	15 500	15 200	15 000	2n
Portugal	785	785	655	387	200	2n
Romania	2 657	1 992	9 712	6 517	20 128	1h
Slovakia	2 500	2 300	2 000	1 000	950	2n
South Africa, Rep. of	300	250	230	200	190	2n
Spain	36 000	50 000	55 000	57 000	50 000	1a
Thailand	912	2 332	720	720	780	1a
United Kingdom	0	0	0	0	3 000	1a
United States	725 000	746 695	677 000	644 000	624 000	1a
Total	1 126 674	1 169 412	1 088 104	1 065 439	984 737	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Feldspar

Country	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Algeria	5 000	4 500	4 300	4 200	4 000	2n
Argentina	82 000	84 000	85 000	86 000	87 000	2n
Australia	23 200	23 000	22 800	22 500	22 000	2n
Brazil	130 000	125 000	122 000	105 000	100 000	2n
Chile	1 460	1 346	2 311	2 500	2 700	2n
Colombia	68 000	69 000	70 000	72 000	72 500	2n
Cuba	16 000	16 500	16 700	16 900	17 000	2n
Czech Republic	266 000	244 000	337 000	373 000	401 000	1a
Ecuador	69 318	33 142	47 041	60 688	31 254	1e
Egypt	32 565	31 000	12 178	12 304	12 400	2n
Finland	42 740	42 434	38 609	35 995	40 000	1h
France	650 000	670 000	680 000	690 000	700 000	2n
Germany, Federal Rep.	469 928	500 946	476 895	470 000	480 000	2n
Greece	55 700	52 900	66 300	94 500	92 500	1e
Guatemala	17 248	17 072	17 804	18 000	18 200	2n
Hungary	46 000	47 000	47 500	46 000	45 000	2n
India	106 811	108 000	110 000	115 000	117 000	2n
Indonesia	53 068	97 000	12 823	6 040	6 000	2n
Iran	125 000	156 058	156 000	204 078	191 316	1a
Italy	2 800 000	2 493 846	2 200 000	2 100 000	1 800 000	1h
Japan	60 000	58 000	55 000	54 000	52 000	2n
Jordan	7 200	7 100	11 112	12 000	12 500	2n
Korea, Republic of	248 493	409 334	330 417	389 361	390 000	2n
Macedonia	8 100	11 000	10 057	20 500	21 000	1h
Malaysia	30 000	33 000	35 000	40 509	41 000	1h
Mexico	197 866	262 241	334 439	329 591	332 101	1a
Morocco	18 330	1 110	0	0	0	
Norway	82 036	73 000	71 330	80 000	80 000	1a
Pakistan	31 168	31 456	43 190	30 000	56 920	1h
Peru	3 984	4 000	4 300	4 500	4 700	2n
Philippines	3 824	16 740	3 180	17 000	32 874	1e
Poland	75 000	77 000	78 000	69 000	85 000	1a
Portugal	80 794	114 687	119 837	112 923	141 125	1a
Romania	37 010	36 473	38 361	43 047	50 864	1h
Russia (Asia)	48 000	51 000	51 600	51 600	51 000	2n
Russia (Europe)	32 000	34 000	34 400	34 400	34 000	2n
Saudi Arabia	10 000	15 000	21 100	25 000	37 000	2a
South Africa, Rep. of	56 800	59 300	66 700	70 000	72 000	2n
Spain	429 000	450 000	550 000	650 000	700 000	1a
Sri Lanka	25 274	26 012	28 638	27 000	28 000	2n
Sweden	33 000	34 000	35 000	40 000	37 000	1a
Thailand	325 289	398 558	325 064	695 745	730 381	1a
Turkey	734 311	923 147	773 560	713 908	700 000	2n
United Kingdom	6 500	6 300	3 645	2 995	3 000	1a
United States	820 000	875 000	789 889	800 000	790 000	1a

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Uruguay	2 700	1 556	1 500	3 522	1 550	1a
Uzbekistan	75 000	75 000	76 000	77 000	79 000	2n
Venezuela	158 000	156 000	263 760	134 990	146 619	1a
Yugoslavia	5 000	5 200	5 300	5 200	5 000	2n
Zimbabwe	2 241	1 915	1 700	1 600	1 500	2n
Total	8 706 958	9 063 873	8 687 340	9 070 096	8 956 004	

## Fluorspar

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Afghanistan	800	1 000	1 100	1 200	1 400	2n
Argentina	12 000	7 000	6 000	5 800	5 900	2n
Brazil	65 000	38 200	45 000	54 399	47 899	1h
China	2 550 000	2 550 000	2 200 000	2 200 000	2 150 000	1h
Colombia	900	950	980	1 000	900	2n
DPR Korea	30 000	28 000	26 000	27 000	28 000	2n
Egypt	140	120	143	502	550	2n
France	110 000	100 000	80 000	70 000	60 000	1h
Germany, Federal Rep.	30 641	28 260	31 124	30 381	34 429	1a
India	3 966	2 000	2 000	1 900	1 800	2n
Iran	6 800	18 218	18 500	35 986	32 006	1a
Italy	104 188	46 916	40 000	38 000	60 000	1h
Kazakhstan	90 000	85 000	83 000	82 000	80 000	2n
Kenya	60 854	93 602	100 102	118 850	85 015	1e
Mexico	598 043	557 106	635 230	619 468	622 477	1a
Mongolia	171 000	170 000	168 000	127 293	160 000	2n
Morocco	105 000	83 100	77 800	96 500	93 125	1a
Namibia	42 139	57 700	66 128	81 245	81 084	1h
Pakistan	2 647	760	990	1 000	1 100	2n
Russia (Asia)	225 000	180 000	302 400	306 000	288 000	2n
Russia (Europe)	25 000	20 000	33 600	34 000	32 000	2n
South Africa, Rep. of	228 600	217 500	212 709	286 400	227 000	1h
Spain	135 000	142 000	135 000	126 000	134 000	1a
Thailand	3 743	13 005	4 745	3 020	2 270	1a
Tunisia	1 000	1 000	950	930	900	2n
Turkey	5 034	4 812	4 113	1 669	1 500	2n
United Kingdom	65 000	40 000	36 000	50 000	53 000	1a
United States	10 000	10 000	9 000	7 000	7 000	1a
Uzbekistan	95 000	93 000	92 000	91 000	90 000	2n
Total	4 777 495	4 589 249	4 412 614	4 498 543	4 381 355	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Graphite

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Austria	10 738	2 635	669	116	0	1e
Brazil	30 000	29 000	27 000	25 000	23 000	2n
Canada	22 000	21 000	15 000	13 000	11 000	2n
China	300 000	250 000	240 000	250 000	270 000	2n
Czech Republic	28 000	22 000	23 000	17 000	16 000	1a
DPR Korea	28 000	25 000	22 000	20 000	19 000	2n
Germany, Federal Rep.	1 200	3 891	3 414	3 400	3 312	1a
India	131 822	150 000	170 000	175 000	176 000	1h
Korea, Republic of	3 000	0	0	238	300	2n
Madagascar	18 690	14 516	14 000	13 500	13 200	2n
Mexico	43 481	27 781	30 330	21 442	13 865	1a
Norway	8 271	7 400	8 392	9 000	8 000	1a
Romania	1 951	1 041	1 251	1 176	1 001	1h
Russia (Europe)	6 500	6 300	6 100	6 000	5 900	2n
Sri Lanka	5 260	3 500	5 902	6 500	6 800	2n
Sweden	3 277	4 144	5 108	963	0	1a
Tanzania	250	230	220	200	200	2n
Turkey	18 000	17 000	16 000	15 000	14 000	2n
Ukraine	4 500	4 300	4 200	4 000	3 900	2n
Viet Nam	200	150	140	130	120	2n
Zimbabwe	13 806	12 321	11 838	11 800	10 000	2n
Total	678 946	602 209	604 564	593 465	595 598	

## Guano

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Philippines	35	40	57	60	66	1e
Seychellen	800	750	720	700	680	2n
Total	835	790	777	760	746	

## Gypsum and Anhydrite

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Abu Dhabi (UAE)	23 000	20 000	18 000	17 500	17 000	2n
Afghanistan	90 000	100 000	150 000	200 000	270 000	2n
Albania	1 500	3 499	10 500	17 464	18 000	2n
Algeria	200 000	190 000	180 000	178 000	176 000	2n
Angola	27 000	25 000	23 000	21 000	20 000	2n

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Argentina	550 556	633 100	560 000	425 600	445 461	1h
Australia	2 200 000	2 200 000	3 800 000	4 000 000	3 800 000	1h
Austria	961 400	999 204	946 044	929 223	969 202	1e
Azerbaijan	3 300	2 100	2 286	1 750	1 039	1a
Bhutan	67 000	68 000	68 500	68 700	70 000	2n
Bolivia	0	72	100	150	170	2n
Brazil	1 220 000	1 530 000	1 700 000	1 453 180	1 630 000	1h
Bulgaria	183 929	148 700	169 600	167 000	156 000	1a
Canada	8 095 000	9 345 000	8 548 000	8 119 000	8 847 000	1h
Chile	780 676	886 294	375 847	300 000	290 000	2n
China	7 900 000	8 100 000	6 800 000	6 800 000	6 800 000	1h
Colombia	700 000	750 000	780 000	800 000	640 000	2n
Croatia	105 000	167 000	130 000	199 100	206 505	1a
Cyprus	350 000	181 446	138 100	144 000	182 000	1a
Czech Republic	222 000	136 000	82 000	24 000	108 000	1a
Dominican Republic	87 000	88 000	90 000	92 000	95 000	2n
Ecuador	1 672	1 456	1 680	0	4 730	1e
Egypt	2 423 188	2 000 000	2 229 324	2 200 000	1 900 000	1h
Eritrea	564	960	980	1 000	1 100	2n
Ethiopia	33 000	37 798	38 000	38 500	38 800	2n
France	4 300 000	4 200 000	4 000 000	3 900 000	3 700 000	2n
Germany, Federal Rep.	2 499 169	3 032 115	2 601 086	2 500 000	1 800 000	1a
Greece	554 998	686 416	801 025	808 890	850 786	1e
Guatemala	100 000	170 000	212 109	230 000	250 000	2n
Honduras	23 000	22 000	21 500	21 300	21 000	2n
Hungary	185 000	203 000	251 000	231 000	108 000	1a
India	2 326 876	2 500 000	2 200 000	2 220 000	2 300 000	1h
Indonesia	1 730	11 144	7 795	75 469	80 000	2n
Iran	9 750 000	10 790 918	10 700 000	10 381 580	13 535 000	1a
Iraq	430 000	450 000	480 000	485 000	490 000	2n
Ireland	500 000	500 000	500 000	300 000	500 000	2a
Israel	56 000	50 000	50 000	48 000	47 000	2n
Italy	1 232 535	1 382 709	1 300 000	1 300 000	1 350 000	2n
Jamaica	200 000	220 000	240 000	320 323	350 000	2n
Jordan	110 000	100 000	157 869	180 000	190 000	2n
Kenya	700	600	580	550	530	2n
Laos	104 250	100 000	147 719	150 000	155 000	2n
Latvia	93 611	65 000	126 570	176 370	228 800	1a
Lebanon	1 300	1 200	1 100	1 100	1 000	2n
Libya	200 000	180 000	196 000	196 000	150 000	1h
Mauritania	18 795	18 800	18 900	25 000	31 408	1a
Mexico	3 993 305	3 799 419	3 558 118	3 721 505	3 549 550	1a
Moldavia	19 080	17 440	20 200	34 000	42 700	1a
Mongolia	18 000	17 000	16 000	15 000	14 000	2n
Myanmar	40 234	43 102	52 573	64 609	63 031	1h
Nicaragua	12 000	11 000	10 500	10 200	10 000	2n
Niger	2 200	1 502	3 000	3 800	17 652	1e
Oman	165 000	180 120	131 900	130 600	128 000	2n
Pakistan	254 410	273 236	377 000	624 000	417 000	1h
Paraguay	6 300	6 000	5 900	5 800	5 700	2n
Peru	71 018	75 000	76 000	77 000	78 000	2n

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Poland	1 000 000	1 000 000	1 239 000	1 030 000	1 066 000	1a
Portugal	570 000	569 519	567 000	565 000	834 905	1a
Russia (Europe)	600 000	580 000	550 000	540 000	520 000	2n
Saudi Arabia	1 112 751	986 495	1 208 071	1 000 000	1 488 000	2a
Slovakia	128 000	117 000	125 000	170 000	121 700	1h
Somalia	700	650	620	600	580	2n
South Africa, Rep. of	485 700	505 400	413 000	382 800	380 000	2n
Spain	9 250 000	9 450 000	9 500 000	9 600 000	12 000 000	1a
Sudan	15 000	11 144	13 808	15 000	16 000	2n
Switzerland	274 300	298 700	135 800	200 000	300 000	1h
Syria	290 355	295 000	333 260	290 001	350 746	1a
Tajikistan	200 000	190 000	110 000	70 000	49 700	1e
Thailand	4 333 804	5 005 173	5 860 326	6 190 814	6 325 591	1a
Tunisia	150 000	155 000	160 000	165 000	167 000	2n
Turkey	351 557	242 960	230 000	250 000	270 000	2n
Turkmenistan	2 400	2 200	2 100	2 000	1 900	2n
Uganda	142	256	300	350	370	2n
United Kingdom	2 000 000	1 800 000	1 500 000	1 700 000	1 700 000	1a
United States	18 500 000	22 400 000	25 000 000	16 293 982	15 700 000	1a
Uruguay	80 000	60 000	40 000	10 000	8 000	2n
Venezuela	72 000	41 504	25 000	50 000	60 000	2n
Viet Nam	18 000	16 000	15 000	14 000	13 000	2n
Yemen, Republic of	63 000	60 000	59 000	58 000	57 000	2n
Yugoslavia	35 000	37 000	38 000	38 000	37 000	2n
Total	93 028 005	100 545 351	102 231 690	93 069 810	98 617 656	

## Kaolin

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Albania	1 100	1 000	980	1 340	1 400	2n
Algeria	13 600	16 800	17 000	17 200	17 400	2n
Argentina	66 000	67 000	80 000	90 000	100 000	2h
Australia	220 000	100 000	100 000	100 000	230 000	1h
Austria	298 110	152 457	118 508	89 632	50 908	1e
Bangladesh	3 700	3 500	3 300	3 200	3 000	2n
Belgium	300	300	315	387	410	1e
Brazil	1 380 000	1 520 000	1 600 000	1 817 419	2 090 000	1h
Bulgaria	151 451	150 000	140 000	140 000	100 000	1a
Burundi	3 200	3 000	2 800	2 600	2 500	2n
Chile	11 530	4 361	6 445	7 000	7 200	2n
China	1 000 000	1 300 000	1 900 000	2 000 000	2 100 000	2h
Colombia	700 000	680 000	660 000	650 000	500 000	2n
Cuba	13 000	13 500	13 600	13 700	13 900	2n
Czech Republic	594 555	1 010 685	1 086 735	1 080 890	803 000	1a
Ecuador	5 600	20 652	20 652	703	6 515	1e
Egypt	285 497	260 000	225 943	115 135	100 000	2n
Eritrea	1 587	1 256	1 200	1 150	1 100	2n

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



Ethiopia	2 400	1 654	2 000	3 534	1 400	2n
France	330 000	320 000	325 000	330 000	335 000	2n
Germany, Federal Rep.	3 360 563	3 542 945	3 655 110	3 779 397	3 681 953	1a
Greece	46 388	64 931	54 226	60 075	57 885	1e
Guatemala	115	60	77	75	70	2n
Hungary	9 500	3 000	2 600	1 000	1 000	1a
India	708 503	760 000	520 000	500 000	600 000	1h
Indonesia	30 036	7 641	0	0	0	1h
Iran	1 050 000	858 510	860 000	635 880	553 782	1a
Japan	83 257	90 000	53 092	25 739	23 000	2n
Jordan	34 000	33 500	36 795	40 000	42 000	2n
Kenya	150	130	120	110	100	2n
Korea, Republic of	393 736	380 000	390 000	355 202	350 000	2n
Madagascar	378	300	500	550	560	2n
Malaysia	176 521	213 035	300 000	364 458	258 233	1h
Mexico	339 012	489 993	120 000	94 410	88 890	1a
New Zealand	26 000	26 000	26 200	26 400	26 500	2n
Nigeria	80	70	68	68	66	2n
Pakistan	72 262	65 794	49 570	55 600	54 360	1h
Paraguay	100 000	150 000	170 000	175 000	177 000	2n
Peru	4 968	4 000	3 800	3 600	3 500	2n
Philippines	2 000	5 465	4 500	2 800	390	1e
Poland	90 000	140 000	170 000	220 000	252 000	1a
Portugal	216 000	221 296	135 500	146 592	150 193	1a
Romania	24 742	25 496	20 188	21 979	22 514	1h
Russia (Europe)	1 400 000	1 500 000	1 600 000	1 600 000	1 500 000	1h
Saudi Arabia	7 100	7 500	7 500	7 500	2 000	2a
Slovakia	22 000	22 930	21 170	35 000	24 600	1h
South Africa, Rep. of	101 300	123 200	120 000	140 000	140 000	1h
Spain	310 000	320 000	450 000	460 000	515 000	1a
Sri Lanka	13 172	13 500	12 230	12 000	11 800	2n
Taiwan	0	0	0	8 921	18 403	1a
Tanzania	1 200	1 500	1 600	1 700	1 800	2n
Thailand	248 461	113 005	201 226	168 063	127 132	1a
Turkey	403 733	449 454	595 415	318 055	300 000	2n
Uganda	100 000	197 140	92 000	90 000	85 000	2n
United Kingdom	2 400 000	2 303 602	2 376 054	2 000 000	2 162 815	1a
United States	9 450 000	9 160 609	8 291 018	9 029 600	8 008 000	1a
Venezuela	10 000	11 786	19 434	22 000	24 000	2n
Viet Nam	450	350	300	280	260	2n
Yugoslavia	60 000	63 000	64 000	63 000	61 000	2n
Total	26 377 257	26 995 907	26 728 771	26 928 944	25 789 539	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Magnesite

Country	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Australia	360 787	341 067	349 933	540 000	540 000	1h
Austria	722 876	748 635	725 832	680 534	728 235	1e
Brazil	292 000	208 800	300 000	265 749	310 000	1h
Canada	200 000	200 000	270 000	300 000	200 000	1h
China	2 400 000	2 200 000	2 500 000	3 500 000	3 600 000	1h
Colombia	7 500	7 300	7 100	7 000	6 900	2n
DPR Korea	800 000	800 000	650 000	650 000	450 000	1h
Greece	698 049	495 144	492 780	483 296	558 057	1e
India	350 755	345 000	340 000	330 000	280 000	1h
Iran	120 000	141 081	140 000	133 778	128 565	1a
Pakistan	1 082	2 100	3 610	3 000	4 430	1h
Poland	32 000	34 000	54 830	23 000	24 000	1a
Russia (Asia)	200 000	240 000	250 000	260 000	150 000	1h
Russia (Europe)	1 800 000	2 160 000	2 250 000	2 340 000	1 350 000	1h
Slovakia	877 800	917 700	1 000 700	1 239 000	930 000	1h
South Africa, Rep. of	74 300	63 700	97 446	98 000	99 000	2n
Spain	170 000	211 000	160 000	214 000	185 000	1a
Turkey	2 703 720	2 146 127	2 672 089	2 738 086	2 000 000	1h
Yugoslavia	85 000	82 000	80 000	78 000	75 000	2n
Zimbabwe	4 321	5 356	5 800	6 000	6 200	2n
Total	11 900 190	11 349 010	12 350 120	13 889 443	11 625 387	

## Perlite

Country	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Argentina	21 495	20 000	19 800	19 700	19 600	2n
Armenia	10 000	40 000	40 000	40 000	38 000	2n
Australia	3 200	3 000	2 800	2 500	2 300	2n
Greece	658 332	777 898	817 825	840 660	838 997	1e
Hungary	148 500	141 000	151 000	89 000	72 000	1a
Iran	3 800	2 100	5 400	8 130	20 000	1a
Japan	250 000	260 000	260 000	260 000	260 000	1h
Mexico	54 839	61 596	68 702	80 297	85 703	2e
New Zealand	2 000	1 900	1 800	1 700	1 600	2n
Philippines	6 356	10 235	8 000	5 000	3 850	1e
Russia (Europe)	70 000	65 000	63 000	62 000	60 000	2n
Slovakia	24 000	19 200	16 700	19 000	18 630	1h
South Africa, Rep. of	630	600	590	580	560	1h
Turkey	124 312	147 818	149 426	154 515	200 000	1h
United States	685 000	711 000	625 250	611 000	638 000	1a
Total	2 062 464	2 261 347	2 230 293	2 194 082	2 259 240	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Phosphate

Country	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Algeria	442 000	372 640	297 840	298 180	251 940	1h
Australia	1 855	1 670	1 500	1 450	2 075	1h
Brazil	1 502 800	1 462 000	1 598 000	1 707 000	1 659 200	1h
Burkina Faso	180	170	160	1 125	1 200	2n
Cambodia	1 000	1 000	1 100	1 000	950	2n
Chile	3 917	2 167	1 573	1 300	1 100	2n
China	30 980 000	30 754 000	31 000 000	33 970 000	34 930 000	1h
Christmas Island	207 120	218 560	180 800	196 800	187 520	1h
Colombia	15 000	15 500	9 000	6 200	8 400	1h
DPR Korea	155 000	140 000	120 000	115 000	100 000	1h
Egypt	269 989	259 590	330 258	310 733	395 250	2n
Finland	700 000	734 068	750 000	767 020	800 000	1h
India	398 862	438 210	445 500	450 000	319 950	1h
Indonesia	752	7 134	9 803	96	90	2n
Iran	0	171 640	170 000	213 338	303 000	1a
Iraq	495 000	390 000	415 000	455 000	470 000	2n
Israel	2 940 000	2 287 500	1 080 000	947 970	938 520	2h
Jordan	1 861 440	1 850 000	1 910 391	1 869 760	2 297 280	2h
Kazakhstan	450 000	420 000	400 000	380 000	360 000	2n
Mexico	242 032	304 208	336 789	251 930	1 524	1a
Morocco	22 644 000	22 163 000	21 459 000	21 995 000	23 038 000	1a
Nauru	178 600	254 213	247 213	101 080	70 680	1e
Pakistan	10 000	5 000	4 800	4 600	4 500	2n
Peru	46 821	50 000	52 000	54 000	55 000	2n
Philippines	7 506	4 500	3 800	2 300	2 789	1e
Russia (Europe)	1 425 000	1 800 000	2 600 000	3 243 000	3 300 000	2n
Senegal	589 000	700 878	685 900	649 040	760 000	1e
South Africa, Rep. of	2 700 000	2 957 000	2 796 225	2 550 000	2 913 000	1h
Sri Lanka	12 784	20 000	34 443	40 000	42 000	2n
Syria	748 236	638 017	648 834	866 523	744 875	1a
Tanzania	850	900	930	950	970	2n
Thailand	3 029	3 880	3 260	2 359	3 680	1a
Togo	850 700	620 830	495 940	384 444	398 200	1h
Tunisia	1 430 280	1 441 080	1 494 180	1 459 000	1 361 880	2n
United States	12 900 000	11 767 000	11 200 000	11 200 000	10 700 000	1a
Venezuela	150 000	210 000	298 232	351 081	390 342	1a
Viet Nam	200 000	221 760	200 320	275 200	300 000	2n
Zimbabwe	27 430	25 429	33 004	26 070	32 356	1h
Total	84 591 183	82 713 544	81 315 795	85 148 549	87 146 271	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Potash

Country	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Belorussia	4 181 000	3 600 000	3 372 000	3 600 000	3 790 000	1h
Brazil	326 000	348 200	336 000	356 961	439 000	1h
Canada	8 969 000	8 475 000	9 107 000	8 184 000	8 189 000	1h
Chile	151 200	115 000	105 000	100 000	90 000	2n
China	150 000	195 000	200 000	320 000	420 000	2h
France	450 000	350 000	340 000	257 000	145 000	1h
Germany, Federal Rep.	3 580 350	3 543 360	3 407 467	3 548 665	3 471 763	1a
Israel	1 745 210	1 114 560	1 043 100	1 037 000	1 177 300	2h
Jordan	910 200	1 080 000	1 161 593	1 250 000	1 200 000	2h
Russia (Europe)	3 500 000	4 050 000	3 680 000	3 750 000	4 400 000	2h
Spain	597 000	656 000	653 000	569 000	407 000	1a
Ukraine	60 000	55 000	40 000	30 000	30 000	2n
United Kingdom	640 544	520 520	631 700	562 210	540 100	1a
United States	1 300 000	1 300 000	1 300 000	1 200 000	1 300 000	1a
Total	26 560 504	25 402 640	25 376 860	24 764 836	25 599 163	

## Salt

Country	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Abu Dhabi (UAE)	30 000	28 000	26 000	25 000	24 000	2n
Afghanistan	38 000	30 820	18 100	15 000	21 900	1a
Albania	22 000	20 000	18 000	17 500	17 400	2n
Algeria	172 000	163 700	160 000	158 000	155 000	2n
Angola	25 000	23 000	20 000	20 000	19 000	2n
Argentina	1 200 000	1 250 000	1 300 000	1 350 000	1 380 000	2n
Armenia	24 911	24 000	23 800	23 500	23 300	2n
Australia	9 203 000	9 877 000	8 798 000	8 800 000	10 000 000	1h
Austria	735 468	809 071	940 176	897 430	964 882	1e
Azerbaijan	3 518	2 978	4 033	3 734	5 380	1a
Bahamas	730 000	720 000	710 000	700 000	690 000	2n
Bangladesh	580 000	560 000	540 000	530 000	520 000	2n
Belorussia	290 000	300 000	310 704	315 000	136 900	1a
Benin	70	75	76	78	80	2n
Bolivia	720	688	327	300	290	2n
Botswana	214 700	230 000	233 000	235 000	315 100	1h
Brazil	6 800 000	7 100 000	7 000 000	5 578 000	6 000 000	1h
Bulgaria	73 742	70 000	69 747	68 000	67 000	2n
Cambodia	40 000	50 000	50 000	45 000	44 000	2n
Canada	13 192 000	12 686 000	11 935 000	13 548 000	12 313 000	1h
Cape Verde	900	850	840	830	820	2n
Chile	6 207 266	6 800 000	6 900 000	7 000 000	7 200 000	2n

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

China	22 420 000	28 120 000	31 280 000	31 300 000	35 000 000	1h
Colombia	496 103	461 366	459 878	568 437	527 337	1e
Costa Rica	18 000	17 000	16 500	2 900	3 000	2n
Croatia	24 000	18 673	22 000	20 611	19 000	2n
Cuba	175 000	177 000	179 000	180 000	190 000	2n
DPR Korea	450 000	430 000	410 000	400 000	390 000	2n
Denmark	455 295	548 000	580 000	590 000	570 000	2n
Dominican Republic	8 500	8 300	8 200	8 000	7 800	2n
Egypt	2 487 645	1 900 000	1 353 595	1 341 000	1 340 000	2n
El Salvador	20 500	20 300	20 000	19 800	21 554	1a
Eritrea	114 136	100 000	95 000	90 000	89 000	2n
Ethiopia	90 000	85 000	83 000	80 000	78 000	2n
France	5 900 000	5 900 000	6 200 000	6 096 000	4 205 000	1h
Germany, Federal Rep.	14 139 000	16 703 000	15 054 000	14 335 000	14 695 000	1a
Ghana	30 000	25 000	24 000	22 000	20 000	2n
Greece	208 000	176 867	244 709	208 776	126 118	1e
Guatemala	73 000	72 000	74 000	75 000	76 000	2n
Honduras	25 000	27 991	29 000	29 000	29 200	2n
India	9 000 000	9 500 000	14 500 000	15 000 000	14 800 000	1h
Indonesia	818 000	1 440 000	600 000	525 340	500 000	2n
Iran	1 450 000	1 668 790	1 560 000	1 558 668	1 664 496	1a
Iraq	260 000	270 000	280 000	290 000	300 000	2n
Israel	700 000	700 000	680 000	660 000	650 000	2n
Italy	3 240 000	3 338 162	3 500 000	3 300 000	3 600 000	1h
Jamaica	15 500	15 800	16 000	15 500	16 000	2n
Japan	1 000 000	950 000	930 000	920 000	910 000	2n
Jordan	263 365	400 000	305 170	300 000	290 000	2n
Kenya	21 742	44 886	10 500	5 664	18 848	1e
Kuwait	35 000	34 800	34 500	34 200	34 000	2n
Laos	3 453	3 200	2 436	2 200	2 100	2n
Lebanon	1 800	1 700	1 600	1 500	1 400	2n
Libya	30 000	25 000	14 411	14 411	13 000	1h
Madagascar	38 000	35 000	34 000	33 500	33 300	2n
Malta	120	100	100	90	90	2n
Mexico	8 412 063	8 235 621	8 884 370	8 501 137	7 801 948	1a
Mongolia	15 000	14 500	14 300	14 000	13 500	2n
Morocco	107 604	156 158	147 960	231 334	266 064	1a
Mozambique	25 000	24 000	22 000	20 000	19 500	2n
Myanmar	180 000	170 000	165 000	166 000	167 000	2n
Namibia	496 113	489 330	514 077	558 441	614 052	1h
Nepal	1	0	1	5	6	2n
Netherlands	5 600 000	5 400 000	5 564 000	5 600 000	5 700 000	2n
New Zealand	68 000	65 000	64 000	64 000	63 000	2n
Nicaragua	14 000	12 000	11 000	10 500	10 700	2n
Niger	1 600	2 000	2 200	2 300	2 400	2n
Oman	13 778	11 230	11 700	13 980	14 000	2n
Pakistan	1 115 763	1 250 000	1 313 000	1 393 000	1 387 000	1h
Panama	25 266	25 000	24 800	24 400	24 200	2n
Peru	220 310	250 000	260 000	270 000	280 000	2n
Philippines	700 000	704 347	589 528	550 000	460 983	1e
Poland	4 005 000	4 128 000	3 159 000	3 226 000	3 310 000	1a

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Portugal	597 065	558 807	584 516	625 785	604 969	1a
Puerto Rico	36 000	36 000	35 000	35 000	34 800	2n
Romania	2 200 037	2 196 759	2 307 482	2 224 890	2 200 000	2n
Russia (Europe)	1 500 000	2 000 000	1 300 000	1 200 000	1 800 000	1h
Saudi Arabia	200 000	400 000	700 000	1 000 000	1 348 000	2a
Senegal	60 000	65 000	68 000	69 000	70 000	2n
Slovakia	102 200	99 900	99 400	123 000	97 400	1h
Slovenia	0	0	0	0	138	1a
Somalia	2 700	2 500	2 300	2 000	1 900	2n
South Africa, Rep. of	356 100	388 400	345 632	350 000	355 000	2n
Spain	3 699 000	3 750 000	5 500 000	3 900 000	3 490 000	1a
Sri Lanka	126 000	130 000	70 107	65 000	60 000	2n
Sudan	80 000	117 148	86 599	85 000	83 000	2n
Switzerland	400 900	540 800	310 000	300 000	350 000	1h
Syria	78 757	72 710	106 130	190 012	146 097	1a
Taiwan	300 000	250 000	230 000	252 555	147 895	1a
Tanzania	82 000	80 000	78 000	76 000	75 500	2n
Thailand	546 096	540 000	792 250	852 565	908 968	1a
Tunisia	466 000	455 000	620 000	650 000	670 000	2n
Turkey	2 169 626	2 146 127	2 126 371	1 785 455	1 600 000	2n
Turkmenistan	1 600	1 700	1 800	1 900	2 000	2n
Uganda	2 000	1 800	1 700	1 600	1 500	2n
Ukraine	2 500 000	2 300 000	2 000 000	1 800 000	2 333 308	1a
United Kingdom	5 500 000	5 700 000	5 900 000	6 100 000	6 100 000	1a
United States	40 763 000	44 926 000	45 300 000	44 808 380	40 300 000	1a
Venezuela	430 000	420 000	400 000	400 000	380 000	2n
Viet Nam	350 000	330 000	320 000	300 000	290 000	2n
Yemen, Republic of	125 000	123 000	120 000	190 000	200 000	2n
Yugoslavia	18 000	16 000	15 000	14 000	13 000	2n
Total	187 286 033	202 548 954	207 826 625	205 405 208	203 916 123	

## Sulfur

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Abu Dhabi (UAE)	75 000	73 000	70 000	79 000	80 000	2n
Albania	1 200	1 100	1 000	900	900	2n
Algeria	24 500	24 000	23 800	23 500	23 200	2n
Australia	330 000	300 000	280 000	260 000	250 000	2n
Austria	10 045	9 468	9 646	10 912	9 444	1e
Bahrain	41 000	41 500	41 800	42 000	42 500	2n
Bolivia	0	7	29	30	32	2n
Brazil	460 000	480 000	490 000	384 672	370 000	2n
Bulgaria	21 535	20 000	18 000	17 500	19 923	1a
Canada	8 410 000	8 656 000	8 515 000	8 080 000	7 787 000	1h
China	6 000 000	5 000 000	5 000 000	6 000 000	6 500 000	2n
Colombia	55 000	55 500	91 966	69 344	60 162	1e
Congo,D.R.	0	4 500	4 300	4 000	3 900	2n

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

DPR Korea	120 000	110 000	100 000	90 000	80 000	2n
Ecuador	12 000	11 500	11 300	11 000	10 800	2n
Egypt	6 300	6 000	5 800	5 500	5 200	2n
Finland	389 920	415 802	414 371	303 808	300 000	2n
France	820 000	820 000	800 000	840 000	795 000	1h
Germany, Federal Rep.	1 089 771	1 134 934	1 099 688	1 000 000	1 093 091	1a
Greece	13 000	14 500	8 000	5 000	0	1e
India	12 143	12 000	11 800	11 500	11 300	2n
Indonesia	10 000	11 000	11 500	11 800	12 000	2n
Iran	1 200 000	1 300 000	1 600 000	1 800 000	1 500 000	2n
Iraq	450 000	430 000	420 000	410 000	400 000	2n
Italy	180 000	170 000	160 000	150 000	140 000	2n
Japan	544 904	520 000	500 000	480 000	460 000	2n
Kazakhstan	120 000	130 000	140 000	145 000	148 000	2n
Kuwait	580 000	550 000	530 000	500 000	480 000	2n
Libya	22 000	23 000	24 400	24 400	30 000	1h
Mexico	912 826	855 484	851 427	878 180	887 035	1a
Namibia	47 000	48 000	48 200	48 000	47 000	2n
Norway	42 300	42 100	42 000	39 000	38 000	2n
Pakistan	200	180	160	160	185	1h
Peru	40 000	35 000	33 000	31 000	30 000	2n
Poland	1 384 000	1 096 000	1 480 000	944 000	777 000	1a
Qatar	47 000	46 000	45 500	45 000	44 500	2n
Romania	100 000	70 000	40 000	20 099	20 000	2n
Russia (Europe)	3 670 000	4 000 000	4 100 000	4 000 000	4 100 000	2n
Saudi Arabia	1 500 000	1 800 000	2 000 000	2 100 000	2 200 000	2n
South Africa, Rep. of	451 900	409 000	451 677	500 000	520 000	2n
Spain	750 000	760 000	770 000	780 000	790 000	2n
Taiwan	184 324	190 000	195 000	223 659	230 000	2n
Turkey	70 000	75 000	76 000	78 000	80 000	2n
Turkmenistan	3 400	3 600	3 709	3 900	4 000	2n
Ukraine	97 000	95 000	93 000	92 000	91 000	2n
United Kingdom	130 000	136 000	140 000	111 000	125 000	1a
United States	10 020 000	9 800 000	9 400 000	8 257 000	9 270 000	1a
Venezuela	120 000	110 000	200 000	350 000	370 000	2n
Yugoslavia	90 000	85 000	82 000	80 000	78 000	2n
Zaire	5 000	0	0	0	0	
Zambia	28 956	29 000	30 000	28 000	27 000	2n
Zimbabwe	23 000	22 000	21 000	20 000	19 500	2n
Total	40 715 224	40 031 175	40 485 073	39 388 864	40 360 672	

## Talc

Country	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Argentina	10 000	9 500	9 300	9 250	9 200	2n
Australia	158 000	155 000	150 000	148 000	145 000	2n
Austria	137 114	129 576	133 060	137 776	138 195	1e
Brazil	450 000	430 000	410 000	450 000	460 000	2n
Canada	74 000	79 000	86 000	90 000	92 000	2n
Chile	3 772	2 231	2 421	2 500	2 600	2n
China	3 400 000	3 500 000	3 370 000	2 000 000	1 900 000	2n
Colombia	15 500	15 700	15 800	16 000	16 200	2n
DPR Korea	100 000	90 000	85 000	80 000	75 000	2n
Egypt	3 972	4 200	3 343	3 100	3 000	2n
Finland	498 152	508 770	501 853	476 620	477 000	1h
France	360 000	370 000	380 000	367 000	417 000	1h
Germany, Federal Rep.	15 473	14 263	17 377	18 000	18 300	2n
Greece	0	2 860	2 300	2 073	670	1e
Guatemala	948	960	1 000	1 100	1 200	2n
Hungary	1 400	1 300	1 200	1 000	900	2n
India	456 187	450 000	440 000	430 000	420 000	2n
Iran	28 500	18 387	12 300	12 000	68 007	1a
Italy	134 000	123 503	120 000	110 000	100 000	2n
Japan	600 000	580 000	560 000	555 000	540 000	2n
Korea, Republic of	868 020	880 000	917 972	1 149 537	1 200 000	2n
Macedonia	1 500	900	800	800	800	1h
Mexico	18 842	18 980	20 569	22 650	24 000	1a
Morocco	3 320	2 980	0	0	5 926	1a
Nepal	6 157	6 000	5 852	3 923	3 800	2n
Norway	21 000	20 000	18 000	25 000	27 000	2n
Peru	20 000	18 000	17 500	17 300	17 200	2n
Portugal	9 752	6 554	17 761	8 362	1 328	1a
Romania	8 133	9 039	7 850	7 237	7 292	1h
Russia (Asia)	115 000	110 000	105 000	100 000	95 000	2n
Russia (Europe)	115 000	110 000	105 000	100 000	95 000	2n
Slovakia	21 200	21 000	18 000	20 000	2 290	1h
South Africa, Rep. of	22 832	17 900	5 600	5 000	4 800	2n
Spain	385 000	250 000	121 000	115 000	97 000	1a
Sweden	24 000	19 000	20 000	14 000	20 000	1a
Taiwan	7 750	8 000	8 300	7 500	6 000	2n
Thailand	21 720	4 960	7 390	6 838	1 702	1a
Turkey	3 700	4 000	4 200	4 500	4 700	2n
United Kingdom	5 000	6 256	4 832	4 947	5 000	1a
United States	971 000	925 000	469 544	853 000	775 000	1a
Uruguay	1 700	2 904	3 000	1 794	816	1a
Zambia	300	300	280	280	270	2n
Zimbabwe	1 039	1 081	2 000	2 200	2 300	2n
Total	9 098 983	8 928 104	8 181 404	7 379 287	7 281 496	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



## Vermiculite

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Australia	12 000	20 000	22 000	12 000	10 000	2n
Brazil	20 500	40 000	45 000	24 226	23 000	1h
Egypt	420	400	1 397	380	300	2n
India	4 035	4 500	4 800	4 900	5 000	2n
Japan	8 000	7 000	6 500	6 400	6 200	2n
Kenya	353	164	124	100	90	2n
Russia (Europe)	30 000	28 000	27 000	26 000	25 000	2n
South Africa, Rep. of	221 300	217 800	208 835	156 600	150 000	2n
Ukraine	50 000	55 000	57 000	58 000	59 000	2n
United States	180 000	175 456	175 000	116 000	115 000	1a
Zimbabwe	14 804	12 844	12 400	12 200	12 000	2n
Total	541 412	561 164	560 056	416 806	405 590	

## Zirconium

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Australia	393 000	372 000	373 000	398 000	420 000	1h
Brazil	15 000	14 000	13 000	12 800	12 600	2n
China	13 000	12 000	14 000	15 000	16 000	2n
India	20 000	20 000	19 000	18 000	17 000	2n
Malaysia	3 057	1 763	5 250	5 500	5 700	2n
South Africa, Rep. of	260 000	217 820	367 552	400 000	420 000	2n
Sri Lanka	8 814	8 500	1 200	1 000	900	2n
Thailand	0	0	50	0	0	1a
Ukraine	50 000	30 000	32 000	33 700	35 000	2n
United States	70 000	65 000	100 000	100 000	100 000	1h
Total	832 871	741 083	925 052	984 000	1 027 200	

## 6.4.5 Mineral Fuels / Energierohstoffe

### Hard Coal

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Afghanistan	105 000	120 000	135 000	180 000	200 000	2n
Argentina	240 000	280 000	300 000	320 000	330 000	2n
Australia	287 970 000	236 560 000	244 000 000	267 800 000	272 000 000	1h
Bhutan	63 000	62 000	61 000	60 800	60 500	2n
Botswana	928 100	950 000	945 000	943 000	953 081	1h
Brazil	5 560 000	5 720 000	6 790 000	7 356 760	5 140 000	1h
Bulgaria	13 192	17 200	17 500	14 000	14 500	2n
Canada	63 590 000	62 310 000	60 149 000	70 361 000	66 822 000	1h
Chile	1 250 000	1 015 208	1 012 578	1 000 000	1 000 000	2n
China	1 285 500 000	1 050 000 000	999 170 000	1 089 700 000	1 393 000 000	1h
Colombia	34 000 000	32 754 000	38 142 000	43 900 000	39 532 000	1e
Croatia	51 000	14 600	0	0	0	1a
Czech Republic	15 863 000	14 419 000	14 855 000	15 138 000	14 097 000	1a
DPR Korea	66 500 000	67 200 000	67 200 000	67 500 000	67 800 000	2n
Egypt	1 400	1 500	1 800	1 900	2 000	2n
France	5 300 000	4 033 000	3 166 000	2 700 000	2 140 000	1h
Georgia	14 700	12 000	7 300	7 000	6 000	1a
Germany, Federal Rep.	41 639 952	39 531 000	37 376 000	32 500 000	26 363 000	1a
Hungary	877 028	740 000	744 000	640 000	660 000	1a
India	293 565 000	292 300 000	280 000 000	300 000 000	350 000 000	1h
Indonesia	58 504 660	62 108 239	77 040 185	92 540 460	103 130 000	1h
Iran	1 810 000	1 507 906	1 815 000	1 981 090	2 075 619	1a
Japan	3 663 000	2 600 000	3 126 000	3 208 000	3 400 000	2n
Kazakhstan	65 700 000	56 200 000	72 429 500	76 000 000	70 600 000	1h
Korea, Republic of	4 361 000	4 197 000	4 150 000	3 817 000	3 300 000	1h
Kyrgystan	400 000	415 000	419 400	477 000	497 500	1h
Laos	8 773	15 000	21 997	25 000	27 000	2n
Malawi	54 200	43 800	34 300	36 700	41 900	1h
Malaysia	349 849	308 502	382 942	497 733	352 513	1h
Mexico	7 632 227	8 764 835	8 230 115	6 966 027	6 370 872	1a
Morocco	269 100	129 200	28 725	19 080	18 000	2n
Mozambique	40 000	45 000	46 000	48 000	49 000	2n
New Zealand	3 100 000	3 500 000	3 600 000	3 900 000	4 500 000	1h
Niger	150 000	168 466	158 200	163 275	182 916	1e
Nigeria	90 000	85 000	83 000	82 000	80 000	2n
Norway	328 169	404 000	631 926	1 788 000	2 200 000	1a
Pakistan	3 100 000	3 203 000	3 117 000	3 262 000	3 487 000	1h
Peru	80 000	75 000	73 000	72 000	70 000	2n
Philippines	1 400 000	1 204 979	1 354 000	1 400 000	1 645 659	1e
Poland	116 706 000	112 000 000	103 172 000	102 477 000	96 160 000	1a
Romania	3 200 900	2 750 843	3 037 344	3 525 921	5 700 000	2n

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Russia (Asia)	153 920 000	180 700 000	178 000 000	183 000 000	180 000 000	1h
South Africa, Rep. of	224 580 000	223 357 000	224 100 000	224 182 000	224 921 473	1h
Spain	16 321 000	15 420 000	14 965 000	13 967 000	9 751 000	1a
Swaziland	410 000	426 299	378 000	375 000	370 000	2n
Taiwan	79 310	75 000	73 000	44 380	30 000	2n
Tajikistan	20 000	16 500	21 300	27 500	35 500	1e
Tanzania	100 000	90 000	85 000	80 000	78 000	2n
Turkey	3 336 021	3 024 295	3 330 355	3 639 002	2 600 000	1h
Ukraine	59 395 000	77 659 000	81 050 000	83 900 000	58 721 000	1a
United Kingdom	41 428 000	37 077 000	31 198 000	31 930 000	30 039 000	1a
United States	934 200 000	992 500 000	975 700 000	1 017 300 000	918 700 000	1h
Uzbekistan	3 010 000	2 900 600	3 000 000	3 000 000	2 900 000	2n
Venezuela	6 324 000	6 753 000	8 166 651	7 804 632	8 399 242	1a
Viet Nam	13 000 000	9 094 000	10 800 000	11 500 000	12 000 000	2n
Yugoslavia	105 000	110 000	112 000	110 000	100 000	2n
Zambia	150 000	127 854	200 000	170 636	170 000	2n
Zimbabwe	5 048 977	4 977 355	3 986 202	4 064 000	3 721 112	1h
<b>Total</b>	<b>3 835 406 558</b>	<b>3 622 073 181</b>	<b>3 572 188 320</b>	<b>3 787 502 896</b>	<b>3 996 544 387</b>	

## Lignite

C o u n t r y	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Albania	33 000	32 595	20 000	27 500	20 300	1h
Australia	65 820 000	65 780 000	64 960 000	65 000 000	67 000 000	2n
Austria	1 140 151	1 137 388	1 254 605	1 193 970	1 411 824	1e
Bulgaria	27 116 947	22 586 182	23 712 006	23 856 000	23 201 600	1a
Canada	11 790 000	10 000 000	9 000 000	10 000 000	9 500 000	2n
China	50 000 000	45 000 000	40 000 000	47 000 000	50 000 000	2n
Czech Republic	48 619 000	41 524 000	46 280 000	47 960 000	49 335 000	1a
DPR Korea	15 000 000	20 000 000	18 000 000	17 000 000	16 800 000	2n
France	800 000	600 000	500 000	450 000	400 000	2n
Germany, Federal Rep.	166 035 061	161 282 000	167 691 000	175 400 000	181 779 000	1a
Greece	60 910 433	61 861 049	64 026 457	66 730 897	71 074 009	1e
Hungary	14 191 400	14 180 000	13 531 000	13 440 000	12 100 000	1a
India	23 009 000	21 000 000	20 000 000	22 000 000	24 000 000	2n
Italy	251 000	260 000	270 000	260 000	250 000	2n
Kazakhstan	3 000 000	2 000 000	2 442 900	3 000 000	2 620 000	1h
Macedonia	6 500 000	7 500 000	7 000 000	6 000 000	8 600 000	1n
Mongolia	5 200 000	5 500 000	4 800 000	3 707 600	5 900 000	2n
Myanmar	31 025	42 773	52 553	62 447	34 513	1h
Nepal	10 954	12 000	17 530	16 589	16 400	2n
New Zealand	200 000	180 000	170 000	180 000	190 000	2n
Poland	62 820 000	60 800 000	59 460 000	59 547 000	58 240 000	1a
Romania	22 690 100	20 130 300	26 043 100	29 754 222	30 189 000	1h
Russia (Asia)	69 102 000	75 060 000	72 000 000	77 400 000	68 000 000	1h
Russia (Europe)	7 678 000	8 340 000	8 000 000	8 600 000	7 600 000	1h
Slovakia	3 890 000	3 742 262	3 648 376	3 064 000	3 406 000	1h
Slovenia	4 891 287	3 804 000	3 743 000	3 450 000	4 684 709	1a

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Spain	9 750 000	10 461 000	11 733 000	8 718 000	12 283 000	1a
Thailand	20 161 721	18 266 308	17 713 753	19 616 996	19 601 984	1a
Turkey	66 498 602	66 716 568	61 314 974	57 857 175	60 000 000	1h
Ukraine	2 000 000	1 500 000	1 200 000	900 000	762 000	1a
United States	50 000 000	60 000 000	62 000 000	65 000 000	67 000 000	2n
Yugoslavia	43 600 000	45 000 000	46 000 000	45 000 000	44 000 000	2n
Total	862 739 681	854 298 425	856 584 254	882 192 396	899 999 339	

## Natural Gas

C o u n t r y	1998 Mio m <sup>3</sup>	1999 Mio m <sup>3</sup>	2000 Mio m <sup>3</sup>	2001 Mio m <sup>3</sup>	2002 Mio m <sup>3</sup>	Rem
Abu Dhabi (UAE)	16 500	16 000	16 500	28 158	28 880	1i
Afghanistan	259	307	301	359	285	1a
Albania	16	14	11	10	9	1h
Algeria	80 000	83 200	85 000	84 000	84 000	1i
Angola	400	420	430	440	460	2n
Argentina	30 000	39 000	41 000	41 000	38 500	1i
Australia	30 681	31 180	31 165	33 100	32 700	1i
Austria	1 568	1 741	1 805	1 954	2 015	1e
Azerbaijan	5 590	5 997	5 642	5 534	5 144	1a
Bahrain	5 700	5 600	5 500	5 500	5 600	2n
Bangladesh	9 000	11 000	9 200	9 000	8 900	2n
Barbados	26	27	28	32	33	2n
Belorussia	252	300	257	255	246	1a
Bolivia	6 234	5 881	5 703	5 700	5 720	2n
Brazil	10 833	13 191	12 810	14 045	16 568	1h
Brunei	9 400	9 000	9 600	9 800	10 000	1i
Bulgaria	13	26	15	22	11	1a
Canada	161 000	162 219	166 078	171 966	171 348	1h
Chile	3 218	2 957	2 702	2 600	2 500	2n
China	23 000	25 100	27 700	27 000	28 000	1i
Colombia	6 000	5 140	5 000	4 800	4 500	2n
Croatia	1 573	1 675	1 888	2 852	2 880	1a
Cuba	40	41	40	39	38	2n
Czech Republic	137	143	118	101	91	1a
Denmark	6 630	7 800	7 900	8 400	8 300	1i
Dubai (UAE)	2 400	2 000	2 200	3 627	3 720	1i
Ecuador	3 000	3 320	3 200	3 400	3 200	2n
Egypt	14 200	14 100	16 000	19 605	19 000	1i
France	1 800	1 600	1 600	1 500	1 400	1h
Gabon	83	100	102	103	104	2n
Germany, Federal Rep.	20 420	23 531	21 576	17 200	21 424	1a
Greece	33	30	36	32	36	1e
Guatemala	5	7	8	7	6	2n
Hungary	3 958	3 560	3 427	3 260	3 100	1a
India	19 522	19 000	21 000	26 400	23 500	1i
Indonesia	85 446	78 720	82 277	78 757	86 083	1h
Iran	50 000	49 000	57 000	60 500	61 000	1i

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Iraq	4 000	4 200	4 300	4 350	4 400	2n
Ireland	1 790	1 400	1 230	1 020	980	1a
Israel	12	11	10	10	9	2n
Italy	19 164	17 635	16 800	17 100	15 100	1i
Japan	2 300	2 400	2 453	2 480	2 500	2n
Jordan	300	250	283	285	287	2n
Kazakhstan	4 000	3 500	4 669	4 030	4 000	2n
Kuwait	12 000	11 000	11 500	12 500	9 800	1i
Kyrgystan	20	30	32	37	29	1h
Libya	8 000	13 700	13 543	6 273	6 000	1i
Malaysia	39 865	38 320	4 308	4 672	4 837	1n
Mexico	36 500	37 000	38 400	41 000	38 700	1i
Morocco	37	43	45	46	47	2n
Myanmar	1 700	1 600	1 500	1 500	1 550	2n
Netherlands	79 200	72 030	67 727	70 000	72 000	1i
New Zealand	5 600	5 700	5 750	5 780	5 800	2n
Nigeria	5 000	4 800	5 000	7 000	13 000	1i
Norway	47 100	51 582	52 400	57 465	68 300	1h
Oman	7 500	7 300	7 200	7 400	7 500	2n
Pakistan	15 090	22 120	20 000	23 000	24 800	1i
Papua New Guinea	100	95	93	92	91	2n
Peru	1 000	900	880	870	860	2n
Philippines	9	7	10	140	1 761	1a
Poland	4 835	4 741	4 962	4 646	4 920	1a
Qatar	13 700	13 500	13 300	13 200	13 000	2n
Romania	13 700	14 511	14 606	14 460	13 425	1h
Russia (Asia)	59 101	59 100	58 400	55 100	59 500	1h
Russia (Europe)	531 914	531 900	525 600	495 900	535 500	1h
Saudi Arabia	43 000	42 000	49 000	40 700	50 500	1i
Senegal	24	23	22	21	20	2n
Sharjah (UAE)	4 700	4 400	4 200	7 215	7 400	1i
Slovakia	311	218	227	170	212	1h
Slovenia	8	6	6	6	57	1a
Spain	112	143	179	556	551	1a
Syria	3 100	2 647	2 535	4 000	6 418	1a
Taiwan	870	900	930	849	887	2n
Tajikistan	36	40	39	38	33	1e
Thailand	17 614	19 195	20 193	19 632	20 568	1a
Trinidad and Tobago	9 581	9 700	9 800	10 000	9 800	2n
Tunisia	1 899	1 819	1 985	2 000	2 100	2n
Turkey	562	718	612	265	268	2n
Turkmenistan	14 000	22 800	47	51	53	1h
Ukraine	17 920	18 092	18 000	18 000	19 000	1a
United Kingdom	93 800	98 893	115 033	112 803	109 512	1a
United States	534 400	530 000	543 400	548 500	551 700	1i
Uzbekistan	54 790	55 600	56 400	57 000	57 670	1h
Venezuela	28 500	30 000	31 000	31 000	28 000	1i
Viet Nam	1 510	3 000	3 200	3 300	3 400	2n
Yugoslavia	715	730	740	730	720	2n
Total	2 349 926	2 383 226	2 377 368	2 378 250	2 456 866	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Oil

Country	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Abu Dhabi (UAE)	90 469 995	88 096 400	99 558 305	92 550 391	86 586 808	1i
Albania	309 000	323 009	325 000	329 370	330 000	2n
Algeria	38 100 000	56 500 000	59 200 000	67 600 000	66 500 000	1i
Angola	37 500 000	39 733 900	37 600 000	39 118 875	46 200 000	2n
Argentina	45 700 000	41 777 900	40 100 000	41 700 000	40 000 000	1i
Australia	27 898 000	37 447 000	40 734 000	32 500 000	31 800 000	1i
Austria	1 014 520	1 063 506	1 056 183	1 050 355	1 032 204	1e
Azerbaijan	11 423 708	13 807 286	14 016 978	14 909 100	15 333 500	1a
Bahrain	1 966 375	2 000 000	2 200 000	1 825 548	1 900 000	1h
Bangladesh	65 000	61 000	60 000	59 800	59 000	2n
Barbados	60 000	80 000	85 000	66 260	66 000	2n
Belorussia	1 630 000	1 800 000	1 840 600	1 900 000	1 846 000	1a
Benin	140 000	135 000	134 000	133 000	132 000	2n
Bolivia	1 800 000	1 692 940	1 643 060	1 650 000	1 700 000	2n
Brazil	56 596 000	64 614 000	72 587 000	77 577 417	84 440 000	1h
Brunei	9 800 000	7 887 650	9 100 000	9 600 000	9 700 000	1i
Bulgaria	29 103	32 700	40 900	32 000	33 000	1a
Cameroon	3 800 000	3 339 750	3 100 000	3 000 000	2 900 000	2n
Canada	128 769 000	122 247 000	131 631 000	131 000 000	137 000 000	1h
Chile	468 693	367 846	325 849	300 000	500 000	1i
China	162 600 000	160 600 000	162 600 000	165 200 000	167 000 000	1h
Colombia	38 654 660	42 551 700	36 200 000	33 000 000	30 155 124	1h
Congo	12 000 000	12 519 500	12 700 000	12 800 000	13 000 000	2n
Congo,D.R.	0	1 310 350	1 350 000	1 400 000	1 450 000	2n
Croatia	1 389 408	1 186 923	1 150 000	1 085 320	906 953	1a
Cuba	1 747 310	1 408 900	1 200 000	1 100 000	1 200 000	2n
Czech Republic	172 000	176 000	168 000	178 000	2 530 000	1a
Denmark	13 830 000	14 900 000	17 794 000	16 900 000	17 700 000	1i
Dubai (UAE)	18 587 625	15 673 000	20 454 875	19 150 855	17 789 800	1i
Ecuador	19 300 000	15 647 550	20 200 000	22 000 000	20 700 000	1i
Egypt	43 900 000	40 160 950	41 200 000	36 095 000	32 964 172	1h
Equatorial Guinea	203 000	150 000	130 000	120 000	110 000	2n
France	1 700 000	1 500 000	1 900 000	1 700 000	1 600 000	1h
Gabon	17 600 000	17 800 000	16 400 000	15 000 000	14 700 000	1i
Georgia	100 000	90 000	100 000	60 000	73 900	1a
Germany, Federal Rep.	2 884 110	2 740 000	3 120 000	3 400 000	3 768 054	1a
Greece	293 000	152 540	256 000	188 109	186 661	1e
Guatemala	850 000	1 262 900	1 500 000	1 147 487	1 100 000	2n
Hungary	1 241 400	1 243 000	1 136 000	1 060 000	1 050 000	1a
India	32 893 000	32 000 000	32 000 000	31 700 000	32 000 000	1h
Indonesia	85 455 980	78 780 880	82 276 540	77 889 280	65 162 400	1h
Iran	193 000 000	180 558 200	193 300 000	182 900 000	170 700 000	1i
Iraq	108 200 000	125 500 000	128 000 000	117 900 000	101 200 000	1i
Israel	5 829	5 215	5 100	3 744	3 600	2n
Italy	5 600 287	5 049 417	4 600 000	3 800 000	5 200 000	1i
Japan	792 000	653 350	740 000	760 000	780 000	2n
Jordan	2 100	1 500	1 686	1 800	1 900	2n

Abbreviations: see Explanation; Abkürzungen: siehe Einleitende Bemerkungen

Kazakhstan	25 900 000	30 000 000	30 647 900	35 670 000	47 220 000	1h
Kuwait	91 900 000	85 169 100	106 300 000	130 396 625	98 000 000	1i
Kyrgystan	100 000	100 000	85 000	75 000	75 500	1h
Libya	66 900 000	72 893 290	80 832 000	67 010 257	63 800 000	1i
Lithuania	275 000	232 000	316 500	470 900	433 727	1e
Malaysia	37 872 287	37 820 128	35 624 255	34 841 805	36 512 950	1h
Mexico	169 300 000	166 100 000	173 300 000	175 000 000	179 200 000	1i
Morocco	13 000	12 900	12 500	12 700	12 800	2n
Myanmar	580 000	781 100	790 000	800 000	810 000	2n
Netherlands	2 700 000	2 439 060	2 300 000	2 300 000	3 000 000	1i
New Zealand	2 000 000	2 346 950	2 400 000	2 500 000	2 600 000	2n
Nigeria	104 500 000	102 710 000	101 200 000	107 400 000	97 600 000	1i
Norway	158 900 000	154 833 000	159 000 000	163 100 000	159 200 000	1h
Oman	44 500 000	46 683 500	47 800 000	50 280 794	52 000 000	2n
Pakistan	2 543 174	2 726 550	2 900 000	1 081 800	1 100 330	1h
Papua New Guinea	5 600 000	5 219 500	5 100 000	5 000 000	4 900 000	2n
Peru	5 400 000	5 287 300	5 144 400	5 100 000	5 000 000	1i
Philippines	41 221	44 787	59 509	111 333	764 451	1a
Poland	352 000	425 000	653 000	470 860	437 330	1a
Qatar	30 400 000	32 988 700	35 100 000	37 000 000	34 000 000	1i
Ras Al-Khaimah (UAE)	47 414	25 550	52 176	48 850	45 378	1i
Romania	6 600 000	6 131 000	6 029 000	6 001 100	5 840 000	1h
Russia (Asia)	34 339 680	30 500 000	32 300 000	33 700 000	36 600 000	1h
Russia (Europe)	309 057 120	274 500 000	290 700 000	303 300 000	329 400 000	1h
Saudi Arabia	404 100 000	388 559 962	439 800 000	378 700 000	407 200 000	1i
Sharjah (UAE)	395 590	365 000	435 330	407 330	378 610	1i
Slovakia	46 000	60 264	56 892	58 000	51 920	1g
Slovenia	854	711	695	685	613	1a
Spain	535 000	306 000	233 000	344 000	324 000	1a
Suriname	260 793	391 188	395 000	398 000	400 000	2n
Syria	29 500 000	28 697 920	27 380 000	27 700 000	24 790 000	1a
Tajikistan	25 000	20 000	18 427	26 200	16 100	1e
Thailand	1 523 846	1 717 223	2 984 262	3 230 334	3 957 435	1a
Trinidad and Tobago	6 387 630	6 489 700	6 930 418	7 800 000	7 200 000	1i
Tunisia	3 898 000	4 026 000	3 741 000	3 500 000	3 300 000	2n
Turkey	3 226 873	2 939 479	2 747 630	2 550 876	2 400 000	2n
Turkmenistan	6 500 000	7 000 000	6 691 500	8 020 000	9 000 000	1h
Ukraine	3 895 000	3 791 000	3 700 000	2 700 000	3 732 500	1a
United Kingdom	138 900 000	128 262 000	117 882 000	108 387 000	107 400 000	1a
United States	402 000 000	354 700 000	351 800 000	351 700 000	350 100 000	1i
Uzbekistan	8 103 700	8 100 000	7 500 000	7 400 000	7 200 000	1h
Venezuela	159 300 000	144 824 700	172 900 000	156 900 000	162 800 000	1i
Viet Nam	12 500 000	14 213 000	15 000 000	16 000 000	17 000 000	2n
Yemen, Republic of	19 500 000	21 166 350	20 500 000	20 600 000	21 700 000	1i
Yugoslavia	920 000	900 000	880 000	860 000	850 000	2n
Zaire	1 100 000	0	0	0	0	
Total	3 522 980 285	3 413 128 674	3 596 042 470	3 522 396 160	3 519 444 720	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Oil Shale

Country	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Austria	432	496	440	408	336	1e
Estonia	12 464 000	11 980 000	11 993 000	12 000 000	10 513 000	1a
France	20 000	18 000	16 000	15 000	14 000	2n
Germany, Federal Rep.	330 886	346 815	339 396	340 000	366 841	1a
Italy	22 471	23 000	23 500	23 800	23 500	2n
Russia (Europe)	2 000 000	1 800 000	1 700 000	1 600 000	1 500 000	2n
Total	14 837 789	14 168 311	14 072 336	13 979 208	12 417 677	

## Uranium

Country	1998 metr.t	1999 metr.t	2000 metr.t	2001 metr.t	2002 metr.t	Rem
Argentina	35	20	0	0	0	1h
Australia	5 780	8 217	8 948	9 103	8 337	1h
Canada	11 773	10 157	9 919	15 329	15 396	1h
China	590	590	589	772	860	2h
Czech Republic	150	152	587	538	383	1a
France	554	495	354	184	23	1h
Gabon	861	862	863	800	820	2n
Germany, Federal Rep.	35	39	33	27	26	1a
India	200	190	185	183	271	1h
Kazakhstan	1 530	1 612	2 052	2 379	2 936	1h
Mongolia	100	90	88	70	68	2n
Namibia	3 257	3 095	3 201	3 113	3 244	1h
Niger	4 400	2 916	3 407	2 919	3 076	1e
Portugal	19	12	15	5	4	2n
Russia (Asia)	2 358	2 120	2 358	2 342	3 419	1h
South Africa, Rep. of	1 138	1 093	1 000	1 256	1 177	1h
Spain	351	363	401	350	54	1a
Ukraine	500	590	600	825	943	1a
United States	2 207	2 130	1 769	1 202	1 088	1h
Uzbekistan	2 276	2 360	2 358	2 830	2 311	1h0
Total	38 114	37 103	38 727	44 227	44 436	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



## 6.5 Share of Mineral Production 2002 by Country Anteile der Länder an der Weltproduktion 2002

### 6.5.1 Iron and Ferro-Alloy Metals / Eisen und Stahlveredler

#### Iron

Rank 2002	Rank 2001	Country	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	Brazil	222 000 000	29.72	29.72
2	( 2)	Australia	185 300 000	24.80	54.52
3	( 4)	India	70 350 000	9.42	63.94
4	( 3)	China	54 400 000	7.28	71.22
5	( 5)	Russia (Europe)	38 437 000	5.14	76.36
6	( 8)	United States	32 489 100	4.35	80.71
7	( 6)	Ukraine	26 816 000	3.59	84.30
8	( 7)	South Africa, Rep. of	23 714 610	3.17	87.47
9	( 9)	Canada	18 891 090	2.53	90.00
10	(11)	Sweden	12 262 000	1.64	91.64
11	(10)	Venezuela	11 259 209	1.51	93.15
12	(12)	Kazakhstan	8 697 000	1.16	94.32
13	(13)	Russia (Asia)	7 873 000	1.05	95.37
14	(14)	Mauritania	6 125 600	0.82	96.19
15	(16)	Mexico	4 772 342	0.64	96.83
16	(15)	Chile	4 434 090	0.59	97.42
17	(17)	Iran	3 963 683	0.53	97.95
18	(18)	Peru	3 100 000	0.41	98.37
19	(19)	DPR Korea	2 900 000	0.39	98.76
20	(20)	Turkey	2 600 000	0.35	99.10
21	(21)	New Zealand	986 000	0.13	99.24
22	(22)	Egypt	800 000	0.11	99.34
23	(23)	Algeria	718 000	0.10	99.44
24	(24)	Spain	650 000	0.09	99.53
25	(25)	Austria	621 363	0.08	99.61
26	(27)	Norway	476 000	0.06	99.67
27	(28)	Malaysia	404 350	0.05	99.73
28	(26)	Colombia	400 864	0.05	99.78
29	(33)	Saudi Arabia	224 700	0.03	99.81
30	(31)	Bulgaria	217 553	0.03	99.84
31	(29)	Indonesia	208 175	0.03	99.87
32	(34)	Zimbabwe	195 000	0.03	99.89
33	(32)	Slovakia	174 570	0.02	99.92
34	(30)	Korea, Republic of	156 800	0.02	99.94
35	(35)	Tunisia	94 000	0.01	99.95
36	(36)	Yugoslavia	75 000	0.01	99.96
37	(38)	Nigeria	63 000	0.01	99.97

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

38	(39)	Romania	60 000	0.01	99.98
39	(37)	Germany, Federal Rep.	58 711	0.01	99.99
40	(40)	Thailand	57 110	0.01	99.99
41	(41)	Pakistan	22 000	0.00	100.00
42	(42)	Uruguay	7 768	0.00	100.00
43	(43)	Morocco	5 736	0.00	100.00
44	(44)	Albania	4 600	0.00	100.00
45	(46)	Portugal	4 500	0.00	100.00
46	(45)	Azerbaijan	4 000	0.00	100.00
47	(47)	Guatemala	3 900	0.00	100.00
48	(48)	Japan	1 440	0.00	100.00
49	(49)	United Kingdom	255	0.00	100.00
		Total	747 080 119	100.00	

## Chromium

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	South Africa, Rep. of	2 831 728	49.30	49.30
2	( 2)	Kazakhstan	1 019 100	17.74	67.04
3	( 3)	India	550 000	9.57	76.61
4	( 4)	Zimbabwe	337 203	5.87	82.48
5	( 5)	Finland	283 000	4.93	87.41
6	( 7)	Iran	220 435	3.84	91.25
7	( 6)	Turkey	160 000	2.79	94.03
8	( 8)	Madagascar	82 600	1.44	95.47
9	( 9)	Brazil	65 000	1.13	96.60
10	(10)	China	60 000	1.04	97.64
11	(11)	Russia (Europe)	42 000	0.73	98.38
12	(12)	Sudan	32 000	0.56	98.93
13	(14)	Cuba	18 800	0.33	99.26
14	(15)	Oman	13 000	0.23	99.49
15	(17)	Albania	9 000	0.16	99.64
16	(16)	Pakistan	8 928	0.16	99.80
17	(13)	Philippines	4 744	0.08	99.88
18	(18)	Afghanistan	2 700	0.05	99.93
19	(19)	Viet Nam	2 200	0.04	99.97
20	(20)	Japan	1 000	0.02	99.98
21	(21)	Greece	770	0.01	100.00
22	(22)	Myanmar	140	0.00	100.00
		Total	5 744 348	100.00	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Cobalt

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 2)	Zambia	6 303	21.60	21.60
2	( 1)	Australia	6 000	20.56	42.16
3	( 4)	Cuba	4 000	13.71	55.87
4	( 3)	Russia (Asia)	3 360	11.51	67.39
5	( 5)	Congo,D.R.	2 209	7.57	74.96
6	( 6)	Canada	2 027	6.95	81.90
7	( 8)	China	1 842	6.31	88.21
8	( 7)	Morocco	1 690	5.79	94.01
9	( 9)	Russia (Europe)	840	2.88	96.88
10	(10)	South Africa, Rep. of	350	1.20	98.08
11	(11)	Botswana	269	0.92	99.01
12	(12)	Kazakhstan	190	0.65	99.66
13	(13)	Zimbabwe	100	0.34	100.00
		Total	29 180	100.00	

## Manganese

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	China	3 500 000	29.72	29.72
2	( 2)	Ukraine	1 758 000	14.93	44.65
3	( 3)	South Africa, Rep. of	1 461 524	12.41	57.06
4	( 4)	Australia	1 380 000	11.72	68.78
5	( 5)	Gabon	1 300 000	11.04	79.82
6	( 6)	Brazil	1 008 000	8.56	88.38
7	( 7)	India	460 000	3.91	92.28
8	( 8)	Ghana	454 331	3.86	96.14
9	( 9)	Kazakhstan	190 000	1.61	97.76
10	(10)	Mexico	88 356	0.75	98.51
11	(11)	Iran	41 870	0.36	98.86
12	(13)	Indonesia	25 800	0.22	99.08
13	(12)	Namibia	25 000	0.21	99.29
14	(14)	Georgia	24 300	0.21	99.50
15	(16)	Chile	13 000	0.11	99.61
16	(15)	Romania	12 000	0.10	99.71
17	(18)	Bulgaria	11 700	0.10	99.81
18	(17)	Hungary	11 400	0.10	99.91
19	(19)	Morocco	8 129	0.07	99.98
20	(20)	Egypt	1 800	0.02	99.99
21	(21)	Italy	960	0.01	100.00
		Total	11 776 170	100.00	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Molybdenum

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	China	54 534	36.70	36.70
2	( 2)	United States	32 600	21.94	58.64
3	( 3)	Chile	29 000	19.52	78.16
4	( 4)	Peru	8 600	5.79	83.95
5	( 5)	Canada	7 521	5.06	89.01
6	( 7)	Iran	4 271	2.87	91.88
7	( 8)	Armenia	4 000	2.69	94.58
8	( 6)	Mexico	3 428	2.31	96.88
9	( 9)	Russia (Asia)	2 208	1.49	98.37
10	(10)	Mongolia	1 300	0.87	99.24
11	(11)	Kazakhstan	650	0.44	99.68
12	(12)	Uzbekistan	380	0.26	99.94
13	(13)	Russia (Europe)	92	0.06	100.00
		Total	148 584	100.00	

## Nickel

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	Russia (Asia)	211 500	19.21	19.21
2	( 2)	Australia	191 000	17.35	36.56
3	( 3)	Canada	178 000	16.17	52.73
4	( 4)	New Caledonia	99 000	8.99	61.72
5	( 5)	Cuba	73 000	6.63	68.35
6	( 6)	Indonesia	68 000	6.18	74.53
7	( 7)	China	57 000	5.18	79.70
8	( 9)	South Africa, Rep. of	38 546	3.50	83.20
9	(10)	Brazil	29 950	2.72	85.92
10	(12)	Philippines	28 000	2.54	88.47
11	(13)	Botswana	23 972	2.18	90.64
12	(11)	Russia (Europe)	23 500	2.13	92.78
13	(14)	Dominican Republic	21 000	1.91	94.69
14	( 8)	Colombia	20 449	1.86	96.54
15	(15)	Greece	19 229	1.75	98.29
16	(17)	Zimbabwe	8 092	0.73	99.03
17	( 0)	Macedonia	5 100	0.46	99.49
18	(19)	Finland	2 893	0.26	99.75
19	(18)	Norway	1 540	0.14	99.89
20	(16)	Venezuela	1 200	0.11	100.00
		Total	1 100 971	100.00	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Tantalum-Columbium

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	Brazil	27 000	87.21	87.21
2	( 2)	Canada	3 400	10.98	98.19
3	( 3)	Australia	350	1.13	99.32
4	( 4)	Rwanda	96	0.31	99.63
5	( 5)	Ethiopia	74	0.24	99.87
6	( 6)	Nigeria	29	0.09	99.96
7	( 7)	Bolivia	7	0.02	99.99
8	( 8)	Congo,D.R.	4	0.01	100.00
		Total	30 960	100.00	

## Titanium

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	Australia	2 000 000	34.79	34.79
2	( 2)	South Africa, Rep. of	1 450 000	25.22	60.01
3	( 3)	Canada	530 000	9.22	69.23
4	( 5)	United States	400 000	6.96	76.19
5	( 4)	Norway	367 019	6.38	82.58
6	( 6)	India	280 000	4.87	87.45
7	( 7)	Sierra Leone	196 000	3.41	90.86
8	( 8)	China	175 000	3.04	93.90
9	( 9)	Ukraine	80 000	1.39	95.29
10	(10)	Brazil	64 800	1.13	96.42
11	(11)	Malaysia	59 000	1.03	97.45
12	(12)	Viet Nam	52 000	0.90	98.35
13	(13)	Sri Lanka	36 500	0.63	98.99
14	(14)	Russia (Europe)	25 500	0.44	99.43
15	(15)	Egypt	22 000	0.38	99.81
16	(16)	Kazakhstan	10 800	0.19	100.00
		Total	5 748 619	100.00	

## Tungsten

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	China	65 000	88.48	88.48
2	( 2)	Russia (Asia)	3 400	4.63	93.11
3	( 3)	Austria	2 242	3.05	96.17
4	( 6)	Portugal	693	0.94	97.11
5	( 4)	Russia (Europe)	600	0.82	97.93
6	( 5)	Bolivia	550	0.75	98.67
7	( 7)	DPR Korea	280	0.38	99.06
8	(11)	Rwanda	212	0.29	99.34
9	( 8)	Uzbekistan	170	0.23	99.58
10	( 9)	Kazakhstan	140	0.19	99.77
11	(13)	Brazil	70	0.10	99.86
12	(10)	Thailand	53	0.07	99.93
13	(14)	Uganda	48	0.07	100.00
14	(15)	Myanmar	1	0.00	100.00
		Total	73 459	100.00	

## Vanadium

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	South Africa, Rep. of	18 600	53.91	53.91
2	( 3)	China	9 000	26.09	80.00
3	( 2)	Russia (Europe)	4 000	11.59	91.59
4	( 4)	United States	2 000	5.80	97.39
5	( 5)	Kazakhstan	900	2.61	100.00
		Total	34 500	100.00	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## 6.5.2 Non-Ferrous Metals / Nichteisenmetalle

### Aluminium

Rank 2002	Rank 2001	Country	Production 2002 metr.t	Share in %	cum. sh.
1	(1)	China	4 400 000	17.81	17.81
2	(2)	Russia (Europe)	2 860 200	11.58	29.39
3	(4)	Canada	2 709 000	10.97	40.36
4	(3)	United States	2 700 000	10.93	51.29
5	(5)	Australia	1 810 000	7.33	58.62
6	(7)	Norway	1 150 000	4.66	63.27
7	(6)	Brazil	1 100 000	4.45	67.73
8	(8)	France	714 000	2.89	70.62
9	(9)	South Africa, Rep. of	664 000	2.69	73.31
10	(10)	Germany, Federal Rep.	655 000	2.65	75.96
11	(11)	India	628 000	2.54	78.50
12	(13)	Venezuela	594 638	2.41	80.91
13	(12)	Bahrain	460 000	1.86	82.77
14	(14)	Spain	380 000	1.54	84.31
15	(16)	New Zealand	350 000	1.42	85.73
16	(15)	United Kingdom	344 318	1.39	87.12
17	(18)	Dubai (UAE)	330 000	1.34	88.46
18	(19)	Russia (Asia)	317 800	1.29	89.74
19	(17)	Tajikistan	307 589	1.25	90.99
20	(20)	Iceland	263 528	1.07	92.06
21	(21)	Netherlands	220 000	0.89	92.95
22	(22)	Argentina	197 000	0.80	93.74
23	(24)	Egypt	190 000	0.77	94.51
24	(23)	Italy	180 000	0.73	95.24
25	(26)	Iran	168 715	0.68	95.92
26	(25)	Greece	165 262	0.67	96.59
27	(27)	Ukraine	112 459	0.46	97.05
28	(28)	Cameroon	105 000	0.43	97.47
29	(29)	Slovakia	99 000	0.40	97.87
30	(30)	Sweden	90 000	0.36	98.24
31	(31)	Slovenia	87 600	0.35	98.59
32	(32)	Yugoslavia	63 000	0.26	98.85
33	(33)	Turkey	55 000	0.22	99.07
34	(35)	Switzerland	50 000	0.20	99.27
35	(34)	Ghana	50 000	0.20	99.48
36	(36)	Poland	44 000	0.18	99.65
37	(37)	Hungary	35 300	0.14	99.80
38	(38)	Suriname	35 000	0.14	99.94
39	(39)	Japan	15 000	0.06	100.00
40	(40)	Azerbaijan	58	0.00	100.00
		Total	24 700 467	100.00	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Antimony

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	China	62 400	79.46	79.46
2	( 2)	South Africa, Rep. of	4 700	5.98	85.44
3	( 3)	Russia (Asia)	2 900	3.69	89.14
4	( 4)	Tajikistan	2 700	3.44	92.57
5	( 5)	Bolivia	2 200	2.80	95.38
6	( 6)	Kyrgystan	1 324	1.69	97.06
7	( 7)	Australia	900	1.15	98.21
8	( 8)	Turkey	460	0.59	98.79
9	(10)	Peru	356	0.45	99.25
10	( 9)	United States	290	0.37	99.62
11	(12)	Mexico	155	0.20	99.81
12	(11)	Canada	143	0.18	100.00
13	(13)	Thailand	3	0.00	100.00
		Total	78 531	100.00	

## Arsenic

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	China	19 500	47.03	47.03
2	( 2)	Chile	12 800	30.87	77.89
3	( 3)	Peru	2 970	7.16	85.06
4	( 4)	Mexico	1 946	4.69	89.75
5	( 5)	Russia (Asia)	900	2.17	91.92
6	( 7)	Philippines	900	2.17	94.09
7	( 6)	Kazakhstan	890	2.15	96.24
8	( 8)	Namibia	880	2.12	98.36
9	( 9)	Japan	330	0.80	99.15
10	(10)	Bolivia	290	0.70	99.85
11	(11)	Iran	61	0.15	100.00
		Total	41 467	100.00	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



## Bauxite

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	Australia	53 900 000	39.02	39.02
2	( 3)	Brazil	18 200 000	13.18	52.20
3	( 2)	Guinea	17 000 000	12.31	64.51
4	( 4)	Jamaica	13 120 000	9.50	74.01
5	( 5)	China	7 500 000	5.43	79.44
6	( 6)	India	6 150 000	4.45	83.89
7	( 7)	Russia (Europe)	4 579 000	3.32	87.21
8	( 8)	Suriname	4 400 000	3.19	90.39
9	( 9)	Kazakhstan	3 600 000	2.61	93.00
10	(10)	Venezuela	2 631 354	1.91	94.90
11	(11)	Greece	2 468 865	1.79	96.69
12	(12)	Guyana	1 568 099	1.14	97.83
13	(13)	Indonesia	1 283 000	0.93	98.76
14	(14)	Ghana	683 653	0.49	99.25
15	(15)	Hungary	294 000	0.21	99.46
16	(17)	Turkey	240 000	0.17	99.64
17	(19)	Romania	132 000	0.10	99.73
18	(18)	Yugoslavia	130 000	0.09	99.83
19	(20)	France	95 000	0.07	99.90
20	(16)	Iran	57 254	0.04	99.94
21	(21)	Malaysia	39 975	0.03	99.97
22	(22)	Croatia	26 521	0.02	99.99
23	(23)	Pakistan	8 760	0.01	99.99
24	(24)	Mozambique	5 100	0.00	100.00
25	(25)	Albania	5 000	0.00	100.00
26	(26)	Colombia	600	0.00	100.00
		Total	138 118 181	100.00	

## Bismuth

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	China	2 800	52.27	52.27
2	( 2)	Mexico	1 126	21.02	73.29
3	( 4)	Japan	570	10.64	83.93
4	( 3)	Peru	568	10.60	94.53
5	( 5)	Canada	189	3.53	98.06
6	( 6)	Kazakhstan	70	1.31	99.37
7	( 7)	Russia (Asia)	25	0.47	99.83

8	(8)	Bolivia	4	0.07	99.91
9	(9)	Tajikistan	3	0.06	99.96
10	(10)	Uzbekistan	2	0.04	100.00
		Total	5 357	100.00	

## Cadmium

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	(2)	Japan	2 589	17.69	17.69
2	(1)	China	2 368	16.18	33.87
3	(3)	Korea, Republic of	2 100	14.35	48.22
4	(4)	Mexico	1 389	9.49	57.71
5	(7)	Russia (Asia)	925	6.32	64.03
6	(6)	Canada	896	6.12	70.15
7	(5)	United States	700	4.78	74.93
8	(8)	Peru	456	3.12	78.05
9	(9)	Finland	400	2.73	80.78
10	(11)	Australia	370	2.53	83.31
11	(19)	Kazakhstan	359	2.45	85.76
12	(12)	Italy	300	2.05	87.81
13	(10)	United Kingdom	292	2.00	89.81
14	(13)	India	260	1.78	91.58
15	(14)	Bulgaria	220	1.50	93.09
16	(16)	Norway	190	1.30	94.38
17	(15)	DPR Korea	180	1.23	95.61
18	(17)	Poland	175	1.20	96.81
19	(18)	France	170	1.16	97.97
20	(20)	Brazil	170	1.16	99.13
21	(22)	Algeria	36	0.25	99.38
22	(23)	Turkey	35	0.24	99.62
23	(24)	Honduras	32	0.22	99.84
24	(25)	Argentina	24	0.16	100.00
		Total	14 636	100.00	

## Copper

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	(1)	Chile	4 620 000	33.52	33.52
2	(3)	Indonesia	1 167 400	8.47	41.99
3	(2)	United States	1 140 000	8.27	50.27
4	(7)	Australia	876 000	6.36	56.62
5	(4)	Peru	843 000	6.12	62.74

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

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6	(6)	Russia (Asia)	590 800	4.29	67.03
7	(5)	Canada	577 000	4.19	71.21
8	(9)	Poland	572 000	4.15	75.36
9	(8)	China	554 000	4.02	79.38
10	(10)	Kazakhstan	431 700	3.13	82.52
11	(12)	Zambia	336 385	2.44	84.96
12	(11)	Mexico	314 820	2.28	87.24
13	(13)	Russia (Europe)	253 200	1.84	89.08
14	(15)	Argentina	218 100	1.58	90.66
15	(14)	Papua New Guinea	211 315	1.53	92.19
16	(16)	Iran	134 632	0.98	93.17
17	(17)	South Africa, Rep. of	129 589	0.94	94.11
18	(18)	Mongolia	120 000	0.87	94.98
19	(19)	Bulgaria	108 444	0.79	95.77
20	(23)	India	78 864	0.57	96.34
21	(20)	Portugal	77 227	0.56	96.90
22	(21)	Sweden	71 991	0.52	97.42
23	(22)	Uzbekistan	68 000	0.49	97.92
24	(24)	Turkey	32 600	0.24	98.15
25	(25)	Brazil	30 642	0.22	98.38
26	(26)	Yugoslavia	30 000	0.22	98.59
27	(30)	Botswana	21 498	0.16	98.75
28	(29)	Congo, D.R.	19 495	0.14	98.89
29	(27)	Philippines	18 364	0.13	99.03
30	(28)	Namibia	17 850	0.13	99.15
31	(31)	Armenia	17 000	0.12	99.28
32	(32)	Romania	13 453	0.10	99.38
33	(34)	Finland	12 900	0.09	99.47
34	(35)	Spain	12 000	0.09	99.56
35	(33)	DPR Korea	10 000	0.07	99.63
36	(36)	Albania	9 400	0.07	99.70
37	(38)	Malaysia	7 000	0.05	99.75
38	(39)	Myanmar	6 355	0.05	99.79
39	(40)	Morocco	6 230	0.05	99.84
40	(37)	Macedonia	5 600	0.04	99.88
41	(41)	Cyprus	3 695	0.03	99.91
42	(42)	Colombia	2 556	0.02	99.93
43	(44)	Afghanistan	2 100	0.02	99.94
44	(43)	Zimbabwe	2 000	0.01	99.95
45	(47)	Saudi Arabia	1 911	0.01	99.97
46	(45)	Oman	1 300	0.01	99.98
47	(46)	Cuba	900	0.01	99.98
48	(48)	Japan	700	0.01	99.99
49	(49)	Georgia	680	0.00	99.99
50	(50)	Honduras	630	0.00	100.00
51	(51)	Slovakia	100	0.00	100.00
		Total	13 781 426	100.00	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Gallium

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	China	18	72.00	72.00
2	( 2)	Hungary	5	20.00	92.00
3	( 3)	Japan	2	8.00	100.00
		Total	25	100.00	

## Germanium

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	United States	20	51.28	51.28
2	( 2)	China	14	35.90	87.18
3	( 3)	Russia (Asia)	5	12.82	100.00
		Total	39	100.00	

## Lead

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	Australia	658 000	22.36	22.36
2	( 2)	China	640 000	21.75	44.10
3	( 3)	United States	440 000	14.95	59.05
4	( 4)	Peru	298 000	10.13	69.18
5	( 6)	Mexico	138 749	4.71	73.89
6	( 5)	Canada	99 000	3.36	77.26
7	( 8)	Poland	73 000	2.48	79.74
8	(12)	India	71 000	2.41	82.15
9	(11)	South Africa, Rep. of	55 000	1.87	84.02
10	( 9)	Morocco	54 920	1.87	85.88
11	(10)	Russia (Asia)	51 840	1.76	87.64
12	(16)	Bulgaria	43 845	1.49	89.13
13	( 7)	Sweden	42 954	1.46	90.59
14	(13)	Ireland	41 700	1.42	92.01
15	(14)	Kazakhstan	37 000	1.26	93.27
16	(17)	Greece	28 036	0.95	94.22
17	(18)	DPR Korea	28 000	0.95	95.17
18	(19)	Romania	19 000	0.65	95.82
19	(21)	Namibia	13 190	0.45	96.26

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

20	(22)	Argentina	12 931	0.44	96.70
21	(24)	Honduras	11 200	0.38	97.08
22	(20)	Brazil	11 000	0.37	97.46
23	(25)	Bolivia	9 000	0.31	97.76
24	(27)	Tunisia	8 000	0.27	98.04
25	(23)	Iran	8 000	0.27	98.31
26	(28)	Turkey	7 000	0.24	98.55
27	(38)	Thailand	6 500	0.22	98.77
28	(15)	Spain	6 200	0.21	98.98
29	(29)	Japan	5 723	0.19	99.17
30	(30)	Yugoslavia	4 500	0.15	99.32
31	(26)	Macedonia	4 000	0.14	99.46
32	(31)	Italy	4 000	0.14	99.60
33	(36)	Chile	3 000	0.10	99.70
34	(33)	Tajikistan	2 200	0.07	99.77
35	(32)	Russia (Europe)	2 160	0.07	99.85
36	(34)	Korea, Republic of	1 900	0.06	99.91
37	(35)	Myanmar	1 200	0.04	99.95
38	(37)	United Kingdom	700	0.02	99.98
39	(40)	Algeria	520	0.02	99.99
40	(41)	Colombia	200	0.01	100.00
		Total	2 943 168	100.00	

## Lithium

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	Chile	14 150	55.95	55.95
2	( 2)	Australia	6 000	23.72	79.67
3	( 3)	United States	1 500	5.93	85.60
4	( 4)	Zimbabwe	1 260	4.98	90.58
5	( 5)	Canada	750	2.97	93.55
6	( 6)	China	690	2.73	96.28
7	( 7)	Russia (Asia)	630	2.49	98.77
8	( 8)	Portugal	191	0.76	99.52
9	( 9)	Namibia	93	0.37	99.89
10	(10)	Brazil	28	0.11	100.00
		Total	25 292	100.00	

## Mercury

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 2)	Spain	726	28.89	28.89
2	( 3)	Algeria	620	24.67	53.56
3	( 1)	Kyrgystan	530	21.09	74.65
4	( 4)	China	495	19.70	94.35
5	( 5)	Finland	51	2.03	96.38
6	( 6)	Tajikistan	35	1.39	97.77
7	( 7)	Ukraine	25	0.99	98.77
8	( 8)	Russia (Asia)	18	0.72	99.48
9	( 9)	Mexico	13	0.52	100.00
		Total	2 513	100.00	

## Rare Earths Concentrates

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	China	75 000	89.55	89.55
2	( 2)	United States	5 000	5.97	95.52
3	( 3)	India	2 700	3.22	98.75
4	( 4)	Malaysia	390	0.47	99.21
5	( 5)	DPR Korea	380	0.45	99.67
6	( 6)	Brazil	200	0.24	99.90
7	( 7)	Sri Lanka	80	0.10	100.00
		Total	83 750	100.00	

## Tellurium

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	United States	80	42.78	42.78
2	( 2)	Canada	45	24.06	66.84
3	( 3)	Japan	35	18.72	85.56
4	( 4)	Peru	22	11.76	97.33
5	( 5)	Mongolia	5	2.67	100.00
		Total	187	100.00	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Tin

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	China	77 300	33.65	33.65
2	( 2)	Indonesia	66 620	29.00	62.64
3	( 3)	Peru	38 815	16.90	79.54
4	( 5)	Bolivia	11 800	5.14	84.68
5	( 4)	Brazil	11 584	5.04	89.72
6	( 6)	Australia	7 500	3.26	92.98
7	( 7)	Russia (Asia)	5 000	2.18	95.16
8	( 8)	Malaysia	4 214	1.83	96.99
9	(10)	Viet Nam	2 200	0.96	97.95
10	( 9)	Thailand	1 384	0.60	98.55
11	(12)	Nigeria	1 100	0.48	99.03
12	( 0)	Congo,D.R.	700	0.30	99.34
13	(14)	Laos	550	0.24	99.58
14	(11)	Portugal	361	0.16	99.73
15	(15)	Rwanda	289	0.13	99.86
16	(13)	Myanmar	241	0.10	99.96
17	(16)	India	53	0.02	99.99
18	(17)	Niger	18	0.01	99.99
19	(18)	Mexico	9	0.00	100.00
20	(19)	Spain	3	0.00	100.00
		Total	229 741	100.00	

## Zinc

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	China	2 080 000	22.29	22.29
2	( 2)	Australia	1 490 000	15.97	38.26
3	( 3)	Peru	1 222 000	13.10	51.35
4	( 4)	Canada	892 000	9.56	60.91
5	( 5)	United States	780 000	8.36	69.27
6	( 6)	Mexico	431 662	4.63	73.90
7	( 7)	Kazakhstan	286 283	3.07	76.97
8	( 8)	Ireland	276 700	2.97	79.93
9	(10)	India	234 000	2.51	82.44
10	( 9)	Russia (Asia)	225 280	2.41	84.85
11	(11)	Poland	170 000	1.82	86.68
12	(13)	Sweden	148 620	1.59	88.27
13	(14)	Bolivia	140 000	1.50	89.77
14	(15)	Brazil	133 322	1.43	91.20
15	(16)	Morocco	89 238	0.96	92.15

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

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16	(17)	Iran	81 000	0.87	93.02
17	(12)	Spain	64 900	0.70	93.72
18	(18)	South Africa, Rep. of	64 173	0.69	94.41
19	(28)	Bulgaria	50 834	0.54	94.95
20	(19)	Romania	50 000	0.54	95.49
21	(20)	Japan	42 851	0.46	95.95
22	(24)	Namibia	42 685	0.46	96.40
23	(21)	Tunisia	37 000	0.40	96.80
24	(22)	Argentina	36 358	0.39	97.19
25	(29)	Finland	35 000	0.38	97.56
26	(23)	Honduras	34 200	0.37	97.93
27	(25)	Turkey	33 100	0.35	98.29
28	(26)	Russia (Europe)	30 720	0.33	98.61
29	(30)	Thailand	30 373	0.33	98.94
30	(27)	DPR Korea	28 000	0.30	99.24
31	(31)	Greece	18 551	0.20	99.44
32	(32)	Chile	17 280	0.19	99.62
33	(33)	Korea, Republic of	10 000	0.11	99.73
34	(34)	Italy	8 000	0.09	99.82
35	(35)	Yugoslavia	6 500	0.07	99.89
36	(36)	Algeria	5 000	0.05	99.94
37	(37)	Macedonia	2 100	0.02	99.96
38	(38)	Saudi Arabia	1 209	0.01	99.98
39	(39)	Georgia	1 100	0.01	99.99
40	(40)	Armenia	980	0.01	100.00
41	(43)	Myanmar	200	0.00	100.00
		Total	9 331 219	100.00	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



### 6.5.3 Precious Metals / Edelmetalle

#### Gold

Rank 2002	Rank 2001	Country	Production 2002 kg	Share in %	cum. sh.
1	( 1)	South Africa, Rep. of	399 200	15.89	15.89
2	( 2)	United States	298 100	11.87	27.76
3	( 3)	Australia	264 000	10.51	38.27
4	( 4)	China	189 800	7.56	45.82
5	( 7)	Russia (Asia)	159 030	6.33	52.15
6	( 8)	Peru	152 200	6.06	58.21
7	( 6)	Canada	147 866	5.89	64.10
8	( 5)	Indonesia	139 650	5.56	69.65
9	( 9)	Uzbekistan	87 000	3.46	73.12
10	(10)	Ghana	69 537	2.77	75.89
11	(11)	Papua New Guinea	63 156	2.51	78.40
12	(14)	Mali	56 000	2.23	80.63
13	(16)	Tanzania	42 300	1.68	82.31
14	(13)	Chile	39 000	1.55	83.87
15	(12)	Brazil	38 058	1.51	85.38
16	(17)	Philippines	35 848	1.43	86.81
17	(15)	Argentina	32 486	1.29	88.10
18	(19)	Kazakhstan	26 000	1.03	89.14
19	(18)	Mexico	23 594	0.94	90.07
20	(21)	Colombia	20 799	0.83	90.90
21	(20)	Kyrgystan	18 000	0.72	91.62
22	(23)	Guinea	17 000	0.68	92.30
23	(22)	Zimbabwe	15 468	0.62	92.91
24	(24)	Guyana	13 580	0.54	93.45
25	(26)	Mongolia	13 000	0.52	93.97
26	(25)	Bolivia	12 400	0.49	94.46
27	(27)	Russia (Europe)	11 970	0.48	94.94
28	(28)	New Zealand	9 770	0.39	95.33
29	(45)	Venezuela	9 465	0.38	95.71
30	(29)	Japan	8 615	0.34	96.05
31	(31)	Uganda	7 000	0.28	96.33
32	(30)	Nicaragua	6 500	0.26	96.59
33	(32)	Sudan	6 000	0.24	96.82
34	(33)	Sweden	5 757	0.23	97.05
35	(36)	Spain	5 512	0.22	97.27
36	(68)	Thailand	4 950	0.20	97.47
37	(54)	Finland	4 700	0.19	97.66
38	(38)	Malaysia	4 289	0.17	97.83
39	(37)	Saudi Arabia	4 208	0.17	98.00

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

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40	(34)	Fiji	3 971	0.16	98.15
41	(39)	India	3 900	0.16	98.31
42	(40)	French Guiana	3 500	0.14	98.45
43	(35)	Ethiopia	3 400	0.14	98.58
44	(43)	Romania	3 000	0.12	98.70
45	(41)	Namibia	2 815	0.11	98.81
46	(55)	Morocco	2 746	0.11	98.92
47	(52)	Bulgaria	2 612	0.10	99.03
48	(42)	Tajikistan	2 528	0.10	99.13
49	(46)	Ecuador	2 408	0.10	99.22
50	(44)	DPR Korea	2 300	0.09	99.32
51	(47)	Cote d'Ivoire	2 100	0.08	99.40
52	(49)	Georgia	1 650	0.07	99.47
53	(50)	Mauritania	1 600	0.06	99.53
54	(51)	Kenya	1 477	0.06	99.59
55	(48)	France	1 300	0.05	99.64
56	(53)	Panama	1 000	0.04	99.68
57	(56)	Yugoslavia	1 000	0.04	99.72
58	(57)	Cuba	900	0.04	99.76
59	(60)	Oman	600	0.02	99.78
60	(59)	Senegal	600	0.02	99.80
61	(61)	Dominican Republic	540	0.02	99.82
62	(62)	Italy	500	0.02	99.84
63	(58)	Macedonia	500	0.02	99.86
64	(63)	Korea, Republic of	380	0.02	99.88
65	(64)	Sierra Leone	373	0.01	99.89
66	(67)	Costa Rica	310	0.01	99.91
67	(65)	Poland	296	0.01	99.92
68	(66)	Iran	250	0.01	99.93
69	(69)	Eritrea	250	0.01	99.94
70	(70)	Burkina Faso	200	0.01	99.95
71	(71)	Mozambique	180	0.01	99.95
72	(72)	Armenia	160	0.01	99.96
73	(74)	Zambia	158	0.01	99.97
74	(75)	Nigeria	140	0.01	99.97
75	(76)	Solomon Islands	140	0.01	99.98
76	(80)	Myanmar	84	0.00	99.98
77	(78)	Central African Rep.	82	0.00	99.98
78	(77)	Rwanda	80	0.00	99.99
79	(73)	Slovakia	78	0.00	99.99
80	(81)	Gabon	60	0.00	99.99
81	(79)	Honduras	60	0.00	99.99
82	(82)	Congo, D.R.	50	0.00	100.00
83	(83)	Niger	28	0.00	100.00
84	(84)	Burundi	23	0.00	100.00
85	(86)	Botswana	21	0.00	100.00
86	(85)	Madagascar	10	0.00	100.00
		Total	2 512 168	100.00	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Platinum

Rank 2002	Rank 2001	C o u n t r y	Production 2002 kg	Share in %	cum. sh.
1	( 1)	South Africa, Rep. of	133 800	59.74	59.74
2	( 2)	Russia (Asia)	48 000	21.43	81.17
3	( 3)	Canada	21 829	9.75	90.91
4	( 4)	Russia (Europe)	12 000	5.36	96.27
5	( 5)	United States	4 390	1.96	98.23
6	( 8)	Zimbabwe	2 306	1.03	99.26
7	( 6)	Colombia	661	0.30	99.55
8	( 7)	Japan	620	0.28	99.83
9	( 9)	Australia	380	0.17	100.00
		Total	223 986	100.00	

## Silver

Rank 2002	Rank 2001	C o u n t r y	Production 2002 kg	Share in %	cum. sh.
1	( 1)	Mexico	3 146 257	16.77	16.77
2	( 2)	Peru	2 761 000	14.72	31.48
3	( 3)	Australia	2 110 880	11.25	42.73
4	( 8)	Poland	1 571 000	8.37	51.11
5	( 5)	United States	1 420 000	7.57	58.67
6	( 4)	China	1 390 000	7.41	66.08
7	( 7)	Canada	1 344 000	7.16	73.25
8	( 6)	Chile	1 210 000	6.45	79.69
9	( 9)	Kazakhstan	786 800	4.19	83.89
10	(10)	Russia (Asia)	711 000	3.79	87.68
11	(11)	Bolivia	400 000	2.13	89.81
12	(13)	Sweden	320 823	1.71	91.52
13	(12)	Indonesia	289 450	1.54	93.06
14	(14)	Morocco	238 043	1.27	94.33
15	(16)	South Africa, Rep. of	116 920	0.62	94.95
16	(15)	Argentina	113 027	0.60	95.56
17	(17)	Turkey	106 000	0.56	96.12
18	(19)	Japan	81 416	0.43	96.55
19	(22)	Russia (Europe)	79 000	0.42	96.98
20	(21)	Greece	66 000	0.35	97.33
21	(20)	Papua New Guinea	64 007	0.34	97.67
22	(23)	India	54 000	0.29	97.96
23	(24)	DPR Korea	48 000	0.26	98.21
24	(25)	Brazil	48 000	0.26	98.47
25	(26)	Italy	39 000	0.21	98.68
26	(27)	Honduras	35 000	0.19	98.86

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

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27	(29)	New Zealand	28 700	0.15	99.02
28	(30)	Bulgaria	26 000	0.14	99.15
29	(32)	Mongolia	23 000	0.12	99.28
30	(31)	Portugal	19 500	0.10	99.38
31	(38)	Finland	15 000	0.08	99.46
32	(33)	Romania	15 000	0.08	99.54
33	(34)	Macedonia	12 000	0.06	99.60
34	(35)	Saudi Arabia	11 960	0.06	99.67
35	(36)	Zambia	8 900	0.05	99.72
36	(28)	Philippines	8 811	0.05	99.76
37	(37)	Ireland	7 500	0.04	99.80
38	(39)	Colombia	6 986	0.04	99.84
39	(40)	Yugoslavia	5 500	0.03	99.87
40	(41)	Korea, Republic of	4 900	0.03	99.90
41	(18)	Spain	3 000	0.02	99.91
42	(42)	Nicaragua	3 000	0.02	99.93
43	(43)	Dominican Republic	2 400	0.01	99.94
44	(44)	Fiji	1 972	0.01	99.95
45	(45)	Namibia	1 500	0.01	99.96
46	(46)	Zimbabwe	1 500	0.01	99.97
47	(47)	Norway	1 200	0.01	99.97
48	(48)	Algeria	1 200	0.01	99.98
49	(49)	Iran	800	0.00	99.98
50	(50)	France	590	0.00	99.99
51	(51)	Myanmar	559	0.00	99.99
52	(52)	Ghana	500	0.00	99.99
53	(53)	Malaysia	460	0.00	99.99
54	(54)	Tunisia	380	0.00	100.00
55	(55)	Oman	250	0.00	100.00
56	( 0)	Botswana	162	0.00	100.00
57	(56)	Panama	100	0.00	100.00
58	(57)	Slovakia	95	0.00	100.00
59	(58)	Solomon Islands	1	0.00	100.00
		Total	18 763 049	100.00	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## 6.5.4 Industrial Minerals / Industrieminerale

### Asbestos

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	Russia (Europe)	600 000	28.94	28.94
2	( 2)	China	360 000	17.36	46.30
3	( 3)	Canada	241 000	11.62	57.92
4	( 4)	Kazakhstan	235 000	11.33	69.25
5	( 5)	Brazil	194 732	9.39	78.64
6	( 7)	Zimbabwe	167 954	8.10	86.74
7	( 6)	Russia (Asia)	150 000	7.23	93.98
8	( 8)	Iran	70 000	3.38	97.35
9	( 9)	India	20 000	0.96	98.32
10	(11)	South Africa, Rep. of	13 400	0.65	98.96
11	(12)	Swaziland	9 500	0.46	99.42
12	(10)	Colombia	8 000	0.39	99.81
13	(13)	United States	2 720	0.13	99.94
14	(14)	Yugoslavia	750	0.04	99.98
15	(16)	Egypt	350	0.02	99.99
16	(17)	Pakistan	160	0.01	100.00
		Total	2 073 566	100.00	

### Baryte

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	China	4 000 000	52.68	52.68
2	( 2)	India	780 000	10.27	62.96
3	( 3)	Morocco	469 934	6.19	69.15
4	( 4)	United States	419 800	5.53	74.67
5	( 5)	Kazakhstan	300 000	3.95	78.63
6	( 6)	Iran	179 652	2.37	80.99
7	( 8)	Mexico	163 620	2.16	83.15
8	( 7)	DPR Korea	160 000	2.11	85.25
9	(11)	Turkey	160 000	2.11	87.36
10	(36)	Thailand	114 754	1.51	88.87
11	(10)	Germany, Federal Rep.	100 993	1.33	90.20
12	( 9)	Bulgaria	100 000	1.32	91.52
13	(14)	Peru	66 000	0.87	92.39
14	(12)	France	65 000	0.86	93.25
15	(13)	United Kingdom	59 000	0.78	94.02
16	(15)	Algeria	55 000	0.72	94.75

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

17	(16)	Brazil	53 000	0.70	95.45
18	(17)	Russia (Asia)	45 000	0.59	96.04
19	(18)	Spain	41 000	0.54	96.58
20	(22)	Poland	30 000	0.40	96.97
21	(21)	Belgium	29 000	0.38	97.36
22	(23)	Pakistan	26 100	0.34	97.70
23	(19)	Slovakia	25 820	0.34	98.04
24	(20)	Myanmar	24 232	0.32	98.36
25	(25)	Malaysia	16 600	0.22	98.58
26	(28)	Australia	16 000	0.21	98.79
27	(24)	Italy	15 000	0.20	98.99
28	(26)	Saudi Arabia	15 000	0.20	99.18
29	(27)	Canada	14 000	0.18	99.37
30	(29)	Nigeria	9 300	0.12	99.49
31	(30)	Argentina	8 400	0.11	99.60
32	(31)	Afghanistan	5 600	0.07	99.67
33	(32)	Tunisia	5 600	0.07	99.75
34	(33)	Russia (Europe)	5 000	0.07	99.81
35	(34)	Zimbabwe	4 000	0.05	99.87
36	(35)	Bolivia	2 900	0.04	99.90
37	(37)	Romania	2 500	0.03	99.94
38	(38)	Colombia	1 700	0.02	99.96
39	(39)	Chile	1 400	0.02	99.98
40	(40)	South Africa, Rep. of	1 100	0.01	99.99
41	(41)	Armenia	250	0.00	100.00
42	(42)	Egypt	200	0.00	100.00
43	(43)	Guatemala	80	0.00	100.00
44	(45)	Portugal	24	0.00	100.00
45	(44)	Greece	10	0.00	100.00
		Total	7 592 569	100.00	

## Bentonite

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	United States	3 970 700	40.25	40.25
2	( 2)	Greece	1 056 598	10.71	50.96
3	( 3)	Russia (Europe)	800 000	8.11	59.07
4	( 4)	Turkey	680 000	6.89	65.97
5	( 6)	Germany, Federal Rep.	495 310	5.02	70.99
6	( 7)	Mexico	432 940	4.39	75.38
7	( 8)	Japan	410 000	4.16	79.53
8	( 5)	Italy	250 000	2.53	82.07
9	(10)	Russia (Asia)	200 000	2.03	84.09
10	(12)	India	180 000	1.82	85.92
11	( 9)	Czech Republic	174 000	1.76	87.68
12	(13)	Brazil	150 000	1.52	89.20
13	(16)	Cyprus	128 000	1.30	90.50

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

14	(18)	Iran	125 510	1.27	91.77
15	(15)	Korea, Republic of	120 000	1.22	92.99
16	(17)	South Africa, Rep. of	117 000	1.19	94.17
17	(11)	Spain	100 000	1.01	95.19
18	(14)	Argentina	88 685	0.90	96.09
19	(20)	Slovakia	65 500	0.66	96.75
20	(19)	Morocco	58 754	0.60	97.35
21	(21)	Armenia	56 000	0.57	97.91
22	(22)	Australia	53 000	0.54	98.45
23	(23)	United Kingdom	44 000	0.45	98.90
24	(25)	Peru	17 500	0.18	99.08
25	(24)	Romania	15 402	0.16	99.23
26	(26)	Algeria	14 500	0.15	99.38
27	(27)	Indonesia	11 500	0.12	99.50
28	(28)	Pakistan	11 220	0.11	99.61
29	(29)	Colombia	9 500	0.10	99.71
30	(31)	New Zealand	4 700	0.05	99.75
31	(30)	Hungary	4 000	0.04	99.79
32	(32)	Guatemala	3 000	0.03	99.82
33	(34)	Macedonia	3 000	0.03	99.85
34	(35)	Poland	2 800	0.03	99.88
35	(36)	Philippines	2 500	0.03	99.91
36	(38)	Bolivia	1 800	0.02	99.93
37	(37)	Turkmenistan	1 750	0.02	99.94
38	(42)	Thailand	1 700	0.02	99.96
39	(39)	Chile	1 700	0.02	99.98
40	(33)	Croatia	1 000	0.01	99.99
41	(40)	Myanmar	550	0.01	99.99
42	(41)	Nicaragua	320	0.00	100.00
43	(0)	Slovenia	201	0.00	100.00
44	(43)	Uruguay	70	0.00	100.00
		Total	9 864 710	100.00	

## Boron

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	(1)	Turkey	1 300 000	38.46	38.46
2	(2)	United States	1 000 000	29.59	68.05
3	(3)	Argentina	509 630	15.08	83.13
4	(4)	Chile	390 000	11.54	94.67
5	(5)	China	80 000	2.37	97.04
6	(6)	Kazakhstan	48 000	1.42	98.46
7	(7)	Bolivia	36 000	1.07	99.52
8	(8)	Peru	14 100	0.42	99.94
9	(9)	Iran	2 079	0.06	100.00
		Total	3 379 809	100.00	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Diamonds (Gem)

Rank 2002	Rank 2001	C o u n t r y	Production 2002 carats	Share in %	cum. sh.
1	( 1)	Russia (Asia)	20 000 000	26.29	26.29
2	( 2)	Botswana	19 877 900	26.12	52.41
3	( 3)	Australia	13 400 000	17.61	70.02
4	( 5)	Angola	5 400 000	7.10	77.12
5	( 7)	Canada	4 984 000	6.55	83.67
6	( 4)	South Africa, Rep. of	4 350 452	5.72	89.39
7	( 6)	Congo,D.R.	4 340 000	5.70	95.09
8	( 8)	Namibia	1 472 500	1.94	97.03
9	( 9)	Central African Rep.	552 500	0.73	97.75
10	(10)	Brazil	525 000	0.69	98.44
11	(11)	Guinea	337 500	0.44	98.89
12	(12)	Tanzania	255 000	0.34	99.22
13	(13)	Ghana	192 698	0.25	99.47
14	(14)	Sierra Leone	100 500	0.13	99.61
15	(18)	China	76 000	0.10	99.71
16	(16)	Guyana	74 530	0.10	99.80
17	(17)	Liberia	48 750	0.06	99.87
18	(15)	Venezuela	45 707	0.06	99.93
19	(19)	India	20 000	0.03	99.95
20	(20)	Cote d'Ivoire	16 000	0.02	99.98
21	(21)	Swaziland	12 000	0.02	99.99
22	(22)	Zimbabwe	6 750	0.01	100.00
		Total	76 087 787	100.00	

## Diamonds (Ind)

Rank 2002	Rank 2001	C o u n t r y	Production 2002 carats	Share in %	cum. sh.
1	( 2)	Australia	20 100 000	26.72	26.72
2	( 1)	Russia (Asia)	20 000 000	26.59	53.31
3	( 3)	Congo,D.R.	17 360 000	23.08	76.39
4	( 4)	Botswana	8 519 100	11.33	87.71
5	( 5)	South Africa, Rep. of	6 525 678	8.68	96.39
6	( 6)	Ghana	770 794	1.02	97.41
7	( 7)	Angola	600 000	0.80	98.21
8	( 9)	China	304 000	0.40	98.62
9	( 8)	Brazil	225 000	0.30	98.92
10	(10)	Guyana	173 906	0.23	99.15
11	(13)	Guinea	112 500	0.15	99.30
12	(12)	Liberia	101 250	0.13	99.43
13	(14)	Central African Rep.	97 500	0.13	99.56

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



14	(16)	Namibia	77 500	0.10	99.66
15	(15)	Venezuela	61 061	0.08	99.74
16	(11)	Sierra Leone	49 500	0.07	99.81
17	(17)	Swaziland	48 000	0.06	99.87
18	(18)	Tanzania	45 000	0.06	99.93
19	(19)	India	30 000	0.04	99.97
20	(20)	Zimbabwe	15 750	0.02	99.99
21	(21)	Cote d'Ivoire	4 000	0.01	100.00
22	(22)	Myanmar	4	0.00	100.00
		Total	75 220 543	100.00	

## Diatomite

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	United States	624 000	63.37	63.37
2	( 3)	France	68 000	6.91	70.27
3	( 4)	Mexico	62 322	6.33	76.60
4	( 5)	Spain	50 000	5.08	81.68
5	( 2)	Czech Republic	28 000	2.84	84.52
6	( 6)	Iceland	26 494	2.69	87.21
7	( 7)	Korea, Republic of	26 000	2.64	89.85
8	(14)	Romania	20 128	2.04	91.90
9	( 8)	Peru	15 000	1.52	93.42
10	( 9)	Chile	14 000	1.42	94.84
11	(11)	Argentina	11 800	1.20	96.04
12	(10)	Costa Rica	11 500	1.17	97.21
13	(12)	Australia	9 000	0.91	98.12
14	(13)	Brazil	7 000	0.71	98.83
15	( 0)	United Kingdom	3 000	0.30	99.14
16	(15)	Canada	2 600	0.26	99.40
17	(16)	Algeria	1 500	0.15	99.55
18	(20)	Kenya	1 333	0.14	99.69
19	(17)	Slovakia	950	0.10	99.79
20	(18)	Thailand	780	0.08	99.86
21	(19)	Ethiopia	690	0.07	99.94
22	(22)	Armenia	250	0.03	99.96
23	(21)	Portugal	200	0.02	99.98
24	(23)	South Africa, Rep. of	190	0.02	100.00
		Total	984 737	100.00	

## Feldspar

Rank 2002	Rank 2001	Country	Production 2002 metr.t	Share in %	cum. sh.
1	(1)	Italy	1 800 000	20.10	20.10
2	(2)	United States	790 000	8.82	28.92
3	(4)	Thailand	730 381	8.16	37.07
4	(5)	France	700 000	7.82	44.89
5	(3)	Turkey	700 000	7.82	52.71
6	(6)	Spain	700 000	7.82	60.52
7	(7)	Germany, Federal Rep.	480 000	5.36	65.88
8	(9)	Czech Republic	401 000	4.48	70.36
9	(8)	Korea, Republic of	390 000	4.35	74.71
10	(10)	Mexico	332 101	3.71	78.42
11	(11)	Iran	191 316	2.14	80.56
12	(12)	Venezuela	146 619	1.64	82.20
13	(14)	Portugal	141 125	1.58	83.77
14	(13)	India	117 000	1.31	85.08
15	(15)	Brazil	100 000	1.12	86.19
16	(16)	Greece	92 500	1.03	87.23
17	(17)	Argentina	87 000	0.97	88.20
18	(22)	Poland	85 000	0.95	89.15
19	(18)	Norway	80 000	0.89	90.04
20	(19)	Uzbekistan	79 000	0.88	90.92
21	(20)	Colombia	72 500	0.81	91.73
22	(21)	South Africa, Rep. of	72 000	0.80	92.54
23	(32)	Pakistan	56 920	0.64	93.17
24	(24)	Japan	52 000	0.58	93.75
25	(25)	Russia (Asia)	51 000	0.57	94.32
26	(27)	Romania	50 864	0.57	94.89
27	(26)	Hungary	45 000	0.50	95.39
28	(28)	Malaysia	41 000	0.46	95.85
29	(30)	Finland	40 000	0.45	96.30
30	(34)	Saudi Arabia	37 000	0.41	96.71
31	(29)	Sweden	37 000	0.41	97.12
32	(31)	Russia (Europe)	34 000	0.38	97.50
33	(38)	Philippines	32 874	0.37	97.87
34	(23)	Ecuador	31 254	0.35	98.22
35	(33)	Sri Lanka	28 000	0.31	98.53
36	(35)	Australia	22 000	0.25	98.78
37	(36)	Macedonia	21 000	0.23	99.01
38	(37)	Guatemala	18 200	0.20	99.21
39	(39)	Cuba	17 000	0.19	99.40
40	(41)	Jordan	12 500	0.14	99.54
41	(40)	Egypt	12 400	0.14	99.68
42	(42)	Indonesia	6 000	0.07	99.75
43	(43)	Yugoslavia	5 000	0.06	99.81
44	(44)	Peru	4 700	0.05	99.86

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

45	(45)	Algeria	4 000	0.04	99.90
46	(47)	United Kingdom	3 000	0.03	99.94
47	(48)	Chile	2 700	0.03	99.97
48	(46)	Uruguay	1 550	0.02	99.98
49	(49)	Zimbabwe	1 500	0.02	100.00
		Total	8 956 004	100.00	

## Fluorspar

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	China	2 150 000	49.07	49.07
2	( 2)	Mexico	622 477	14.21	63.28
3	( 3)	Russia (Asia)	288 000	6.57	69.85
4	( 4)	South Africa, Rep. of	227 000	5.18	75.03
5	( 5)	Mongolia	160 000	3.65	78.69
6	( 6)	Spain	134 000	3.06	81.74
7	( 8)	Morocco	93 125	2.13	83.87
8	( 9)	Uzbekistan	90 000	2.05	85.92
9	( 7)	Kenya	85 015	1.94	87.86
10	(11)	Namibia	81 084	1.85	89.71
11	(10)	Kazakhstan	80 000	1.83	91.54
12	(12)	France	60 000	1.37	92.91
13	(15)	Italy	60 000	1.37	94.28
14	(14)	United Kingdom	53 000	1.21	95.49
15	(13)	Brazil	47 899	1.09	96.58
16	(18)	Germany, Federal Rep.	34 429	0.79	97.37
17	(16)	Iran	32 006	0.73	98.10
18	(17)	Russia (Europe)	32 000	0.73	98.83
19	(19)	DPR Korea	28 000	0.64	99.47
20	(20)	United States	7 000	0.16	99.63
21	(21)	Argentina	5 900	0.13	99.76
22	(22)	Thailand	2 270	0.05	99.81
23	(23)	India	1 800	0.04	99.86
24	(24)	Turkey	1 500	0.03	99.89
25	(25)	Afghanistan	1 400	0.03	99.92
26	(27)	Pakistan	1 100	0.03	99.95
27	(28)	Tunisia	900	0.02	99.97
28	(26)	Colombia	900	0.02	99.99
29	(29)	Egypt	550	0.01	100.00
		Total	4 381 355	100.00	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Graphite

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	China	270 000	45.33	45.33
2	( 2)	India	176 000	29.55	74.88
3	( 3)	Brazil	23 000	3.86	78.74
4	( 5)	DPR Korea	19 000	3.19	81.93
5	( 6)	Czech Republic	16 000	2.69	84.62
6	( 7)	Turkey	14 000	2.35	86.97
7	( 4)	Mexico	13 865	2.33	89.30
8	( 8)	Madagascar	13 200	2.22	91.52
9	( 9)	Canada	11 000	1.85	93.36
10	(10)	Zimbabwe	10 000	1.68	95.04
11	(11)	Norway	8 000	1.34	96.38
12	(12)	Sri Lanka	6 800	1.14	97.53
13	(13)	Russia (Europe)	5 900	0.99	98.52
14	(14)	Ukraine	3 900	0.65	99.17
15	(15)	Germany, Federal Rep.	3 312	0.56	99.73
16	(16)	Romania	1 001	0.17	99.90
17	(18)	Korea, Republic of	300	0.05	99.95
18	(19)	Tanzania	200	0.03	99.98
19	(20)	Viet Nam	120	0.02	100.00
		Total	595 598	100.00	

## Guano

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	Seychellen	680	91.15	91.15
2	( 2)	Philippines	66	8.85	100.00
		Total	746	100.00	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Gypsum and Anhydrite

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	United States	15 700 000	15.92	15.92
2	( 2)	Iran	13 535 000	13.72	29.64
3	( 3)	Spain	12 000 000	12.17	41.81
4	( 4)	Canada	8 847 000	8.97	50.78
5	( 5)	China	6 800 000	6.90	57.68
6	( 6)	Thailand	6 325 591	6.41	64.09
7	( 7)	Australia	3 800 000	3.85	67.95
8	( 8)	France	3 700 000	3.75	71.70
9	( 9)	Mexico	3 549 550	3.60	75.30
10	(11)	India	2 300 000	2.33	77.63
11	(12)	Egypt	1 900 000	1.93	79.56
12	(10)	Germany, Federal Rep.	1 800 000	1.83	81.38
13	(13)	United Kingdom	1 700 000	1.72	83.11
14	(14)	Brazil	1 630 000	1.65	84.76
15	(17)	Saudi Arabia	1 488 000	1.51	86.27
16	(15)	Italy	1 350 000	1.37	87.64
17	(16)	Poland	1 066 000	1.08	88.72
18	(18)	Austria	969 202	0.98	89.70
19	(19)	Greece	850 786	0.86	90.56
20	(22)	Portugal	834 905	0.85	91.41
21	(20)	Colombia	640 000	0.65	92.06
22	(23)	Russia (Europe)	520 000	0.53	92.59
23	(28)	Ireland	500 000	0.51	93.09
24	(24)	Iraq	490 000	0.50	93.59
25	(25)	Argentina	445 461	0.45	94.04
26	(21)	Pakistan	417 000	0.42	94.46
27	(26)	South Africa, Rep. of	380 000	0.39	94.85
28	(30)	Syria	350 746	0.36	95.21
29	(27)	Jamaica	350 000	0.35	95.56
30	(35)	Switzerland	300 000	0.30	95.86
31	(29)	Chile	290 000	0.29	96.16
32	(34)	Afghanistan	270 000	0.27	96.43
33	(31)	Turkey	270 000	0.27	96.71
34	(33)	Guatemala	250 000	0.25	96.96
35	(40)	Latvia	228 800	0.23	97.19
36	(36)	Croatia	206 505	0.21	97.40
37	(38)	Jordan	190 000	0.19	97.59
38	(45)	Cyprus	182 000	0.18	97.78
39	(39)	Algeria	176 000	0.18	97.96
40	(43)	Tunisia	167 000	0.17	98.13
41	(42)	Bulgaria	156 000	0.16	98.28
42	(44)	Laos	155 000	0.16	98.44
43	(37)	Libya	150 000	0.15	98.59

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

44	(46)	Oman	128 000	0.13	98.72
45	(41)	Slovakia	121 700	0.12	98.85
46	(32)	Hungary	108 000	0.11	98.96
47	(60)	Czech Republic	108 000	0.11	99.07
48	(47)	Dominican Republic	95 000	0.10	99.16
49	(49)	Indonesia	80 000	0.08	99.24
50	(48)	Peru	78 000	0.08	99.32
51	(51)	Bhutan	70 000	0.07	99.39
52	(52)	Myanmar	63 031	0.06	99.46
53	(54)	Venezuela	60 000	0.06	99.52
54	(53)	Yemen, Republic of	57 000	0.06	99.58
55	(50)	Tajikistan	49 700	0.05	99.63
56	(55)	Israel	47 000	0.05	99.67
57	(58)	Moldavia	42 700	0.04	99.72
58	(56)	Ethiopia	38 800	0.04	99.76
59	(57)	Yugoslavia	37 000	0.04	99.79
60	(59)	Mauritania	31 408	0.03	99.83
61	(61)	Honduras	21 000	0.02	99.85
62	(62)	Angola	20 000	0.02	99.87
63	(64)	Albania	18 000	0.02	99.89
64	(71)	Niger	17 652	0.02	99.90
65	(63)	Abu Dhabi (UAE)	17 000	0.02	99.92
66	(65)	Sudan	16 000	0.02	99.94
67	(66)	Mongolia	14 000	0.01	99.95
68	(67)	Viet Nam	13 000	0.01	99.96
69	(68)	Nicaragua	10 000	0.01	99.97
70	(69)	Uruguay	8 000	0.01	99.98
71	(70)	Paraguay	5 700	0.01	99.99
72	(0)	Ecuador	4 730	0.00	99.99
73	(72)	Turkmenistan	1 900	0.00	100.00
74	(75)	Eritrea	1 100	0.00	100.00
75	(73)	Azerbaijan	1 039	0.00	100.00
76	(74)	Lebanon	1 000	0.00	100.00
77	(76)	Somalia	580	0.00	100.00
78	(77)	Kenya	530	0.00	100.00
79	(78)	Uganda	370	0.00	100.00
80	(79)	Bolivia	170	0.00	100.00
		Total	98 617 656	100.00	

## Kaolin

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	(1)	United States	8 008 000	31.05	31.05
2	(2)	Germany, Federal Rep.	3 681 953	14.28	45.33
3	(3)	United Kingdom	2 162 815	8.39	53.71
4	(4)	China	2 100 000	8.14	61.86

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

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5	(5)	Brazil	2 090 000	8.10	69.96
6	(6)	Russia (Europe)	1 500 000	5.82	75.78
7	(7)	Czech Republic	803 000	3.11	78.89
8	(10)	India	600 000	2.33	81.22
9	(9)	Iran	553 782	2.15	83.37
10	(11)	Spain	515 000	2.00	85.36
11	(8)	Colombia	500 000	1.94	87.30
12	(13)	Korea, Republic of	350 000	1.36	88.66
13	(14)	France	335 000	1.30	89.96
14	(15)	Turkey	300 000	1.16	91.12
15	(12)	Malaysia	258 233	1.00	92.12
16	(16)	Poland	252 000	0.98	93.10
17	(23)	Australia	230 000	0.89	93.99
18	(17)	Paraguay	177 000	0.69	94.68
19	(19)	Portugal	150 193	0.58	95.26
20	(20)	South Africa, Rep. of	140 000	0.54	95.80
21	(18)	Thailand	127 132	0.49	96.30
22	(22)	Egypt	100 000	0.39	96.68
23	(21)	Bulgaria	100 000	0.39	97.07
24	(26)	Argentina	100 000	0.39	97.46
25	(24)	Mexico	88 890	0.34	97.80
26	(25)	Uganda	85 000	0.33	98.13
27	(28)	Yugoslavia	61 000	0.24	98.37
28	(29)	Greece	57 885	0.22	98.59
29	(30)	Pakistan	54 360	0.21	98.80
30	(27)	Austria	50 908	0.20	99.00
31	(31)	Jordan	42 000	0.16	99.16
32	(33)	New Zealand	26 500	0.10	99.27
33	(32)	Slovakia	24 600	0.10	99.36
34	(35)	Venezuela	24 000	0.09	99.46
35	(34)	Japan	23 000	0.09	99.55
36	(36)	Romania	22 514	0.09	99.63
37	(40)	Taiwan	18 403	0.07	99.70
38	(37)	Algeria	17 400	0.07	99.77
39	(38)	Cuba	13 900	0.05	99.83
40	(39)	Sri Lanka	11 800	0.05	99.87
41	(42)	Chile	7 200	0.03	99.90
42	(52)	Ecuador	6 515	0.03	99.92
43	(43)	Peru	3 500	0.01	99.94
44	(45)	Bangladesh	3 000	0.01	99.95
45	(47)	Burundi	2 500	0.01	99.96
46	(41)	Saudi Arabia	2 000	0.01	99.97
47	(48)	Tanzania	1 800	0.01	99.97
48	(44)	Ethiopia	1 400	0.01	99.98
49	(49)	Albania	1 400	0.01	99.98
50	(50)	Eritrea	1 100	0.00	99.99
51	(51)	Hungary	1 000	0.00	99.99
52	(53)	Madagascar	560	0.00	99.99
53	(54)	Belgium	410	0.00	100.00
54	(46)	Philippines	390	0.00	100.00

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

55	(55)	Viet Nam	260	0.00	100.00
56	(56)	Kenya	100	0.00	100.00
57	(57)	Guatemala	70	0.00	100.00
58	(58)	Nigeria	66	0.00	100.00
Total			25 789 539	100.00	

## Magnesite

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	China	3 600 000	30.97	30.97
2	( 2)	Turkey	2 000 000	17.20	48.17
3	( 3)	Russia (Europe)	1 350 000	11.61	59.78
4	( 4)	Slovakia	930 000	8.00	67.78
5	( 5)	Austria	728 235	6.26	74.05
6	( 8)	Greece	558 057	4.80	78.85
7	( 7)	Australia	540 000	4.65	83.49
8	( 6)	DPR Korea	450 000	3.87	87.36
9	(11)	Brazil	310 000	2.67	90.03
10	( 9)	India	280 000	2.41	92.44
11	(10)	Canada	200 000	1.72	94.16
12	(13)	Spain	185 000	1.59	95.75
13	(12)	Russia (Asia)	150 000	1.29	97.04
14	(14)	Iran	128 565	1.11	98.15
15	(15)	South Africa, Rep. of	99 000	0.85	99.00
16	(16)	Yugoslavia	75 000	0.65	99.64
17	(17)	Poland	24 000	0.21	99.85
18	(18)	Colombia	6 900	0.06	99.91
19	(19)	Zimbabwe	6 200	0.05	99.96
20	(20)	Pakistan	4 430	0.04	100.00
Total			11 625 387	100.00	

## Perlite

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	Greece	838 997	37.14	37.14
2	( 2)	United States	638 000	28.24	65.38
3	( 3)	Japan	260 000	11.51	76.88
4	( 4)	Turkey	200 000	8.85	85.74
5	( 6)	Mexico	85 703	3.79	89.53
6	( 5)	Hungary	72 000	3.19	92.72
7	( 7)	Russia (Europe)	60 000	2.66	95.37

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



8	(8)	Armenia	38 000	1.68	97.05
9	(11)	Iran	20 000	0.89	97.94
10	(9)	Argentina	19 600	0.87	98.81
11	(10)	Slovakia	18 630	0.82	99.63
12	(12)	Philippines	3 850	0.17	99.80
13	(13)	Australia	2 300	0.10	99.90
14	(14)	New Zealand	1 600	0.07	99.98
15	(15)	South Africa, Rep. of	560	0.02	100.00
		Total	2 259 240	100.00	

## Phosphate

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	(1)	China	34 930 000	40.08	40.08
2	(2)	Morocco	23 038 000	26.44	66.52
3	(3)	United States	10 700 000	12.28	78.80
4	(4)	Russia (Europe)	3 300 000	3.79	82.58
5	(5)	South Africa, Rep. of	2 913 000	3.34	85.93
6	(6)	Jordan	2 297 280	2.64	88.56
7	(7)	Brazil	1 659 200	1.90	90.47
8	(8)	Tunisia	1 361 880	1.56	92.03
9	(9)	Israel	938 520	1.08	93.11
10	(11)	Finland	800 000	0.92	94.02
11	(12)	Senegal	760 000	0.87	94.90
12	(10)	Syria	744 875	0.85	95.75
13	(13)	Iraq	470 000	0.54	96.29
14	(15)	Togo	398 200	0.46	96.75
15	(18)	Egypt	395 250	0.45	97.20
16	(17)	Venezuela	390 342	0.45	97.65
17	(16)	Kazakhstan	360 000	0.41	98.06
18	(14)	India	319 950	0.37	98.43
19	(22)	Iran	303 000	0.35	98.78
20	(20)	Viet Nam	300 000	0.34	99.12
21	(19)	Algeria	251 940	0.29	99.41
22	(23)	Christmas Island	187 520	0.22	99.62
23	(24)	DPR Korea	100 000	0.11	99.74
24	(25)	Nauru	70 680	0.08	99.82
25	(26)	Peru	55 000	0.06	99.88
26	(27)	Sri Lanka	42 000	0.05	99.93
27	(28)	Zimbabwe	32 356	0.04	99.97
28	(29)	Colombia	8 400	0.01	99.98
29	(30)	Pakistan	4 500	0.01	99.98
30	(31)	Thailand	3 680	0.00	99.99
31	(32)	Philippines	2 789	0.00	99.99
32	(33)	Australia	2 075	0.00	99.99
33	(21)	Mexico	1 524	0.00	100.00

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

34	(35)	Burkina Faso	1 200	0.00	100.00
35	(34)	Chile	1 100	0.00	100.00
36	(37)	Tanzania	970	0.00	100.00
37	(36)	Cambodia	950	0.00	100.00
38	(38)	Indonesia	90	0.00	100.00
		Total	87 146 271	100.00	

## Potash

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	Canada	8 189 000	31.99	31.99
2	( 2)	Russia (Europe)	4 400 000	17.19	49.18
3	( 3)	Belorussia	3 790 000	14.81	63.98
4	( 4)	Germany, Federal Rep.	3 471 763	13.56	77.54
5	( 6)	United States	1 300 000	5.08	82.62
6	( 5)	Jordan	1 200 000	4.69	87.31
7	( 7)	Israel	1 177 300	4.60	91.91
8	( 9)	United Kingdom	540 100	2.11	94.02
9	(10)	Brazil	439 000	1.71	95.73
10	(11)	China	420 000	1.64	97.37
11	( 8)	Spain	407 000	1.59	98.96
12	(12)	France	145 000	0.57	99.53
13	(13)	Chile	90 000	0.35	99.88
14	(14)	Ukraine	30 000	0.12	100.00
		Total	25 599 163	100.00	

## Salt

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	United States	40 300 000	19.76	19.76
2	( 2)	China	35 000 000	17.16	36.93
3	( 3)	India	14 800 000	7.26	44.18
4	( 4)	Germany, Federal Rep.	14 695 000	7.21	51.39
5	( 5)	Canada	12 313 000	6.04	57.43
6	( 6)	Australia	10 000 000	4.90	62.33
7	( 7)	Mexico	7 801 948	3.83	66.16
8	( 8)	Chile	7 200 000	3.53	69.69
9	( 9)	United Kingdom	6 100 000	2.99	72.68
10	(12)	Brazil	6 000 000	2.94	75.62
11	(11)	Netherlands	5 700 000	2.80	78.42
12	(10)	France	4 205 000	2.06	80.48

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

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13	(14)	Italy	3 600 000	1.77	82.25
14	(13)	Spain	3 490 000	1.71	83.96
15	(15)	Poland	3 310 000	1.62	85.58
16	(17)	Ukraine	2 333 308	1.14	86.73
17	(16)	Romania	2 200 000	1.08	87.80
18	(23)	Russia (Europe)	1 800 000	0.88	88.69
19	(19)	Iran	1 664 496	0.82	89.50
20	(18)	Turkey	1 600 000	0.78	90.29
21	(20)	Pakistan	1 387 000	0.68	90.97
22	(21)	Argentina	1 380 000	0.68	91.65
23	(24)	Saudi Arabia	1 348 000	0.66	92.31
24	(22)	Egypt	1 340 000	0.66	92.96
25	(26)	Austria	964 882	0.47	93.44
26	(25)	Japan	910 000	0.45	93.88
27	(27)	Thailand	908 968	0.45	94.33
28	(28)	Bahamas	690 000	0.34	94.67
29	(30)	Tunisia	670 000	0.33	95.00
30	(29)	Israel	650 000	0.32	95.31
31	(34)	Namibia	614 052	0.30	95.62
32	(31)	Portugal	604 969	0.30	95.91
33	(32)	Denmark	570 000	0.28	96.19
34	(33)	Colombia	527 337	0.26	96.45
35	(36)	Bangladesh	520 000	0.26	96.71
36	(37)	Indonesia	500 000	0.25	96.95
37	(35)	Philippines	460 983	0.23	97.18
38	(38)	DPR Korea	390 000	0.19	97.37
39	(39)	Venezuela	380 000	0.19	97.55
40	(40)	South Africa, Rep. of	355 000	0.17	97.73
41	(44)	Switzerland	350 000	0.17	97.90
42	(48)	Botswana	315 100	0.15	98.05
43	(45)	Iraq	300 000	0.15	98.20
44	(43)	Viet Nam	290 000	0.14	98.34
45	(42)	Jordan	290 000	0.14	98.49
46	(46)	Peru	280 000	0.14	98.62
47	(49)	Morocco	266 064	0.13	98.75
48	(52)	Yemen, Republic of	200 000	0.10	98.85
49	(53)	Cuba	190 000	0.09	98.95
50	(54)	Myanmar	167 000	0.08	99.03
51	(55)	Algeria	155 000	0.08	99.10
52	(47)	Taiwan	147 895	0.07	99.18
53	(51)	Syria	146 097	0.07	99.25
54	(41)	Belorussia	136 900	0.07	99.31
55	(50)	Greece	126 118	0.06	99.38
56	(56)	Slovakia	97 400	0.05	99.42
57	(57)	Eritrea	89 000	0.04	99.47
58	(58)	Sudan	83 000	0.04	99.51
59	(59)	Ethiopia	78 000	0.04	99.55
60	(61)	Guatemala	76 000	0.04	99.58
61	(60)	Tanzania	75 500	0.04	99.62
62	(62)	Senegal	70 000	0.03	99.66
63	(63)	Bulgaria	67 000	0.03	99.69

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

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64	(65)	New Zealand	63 000	0.03	99.72
65	(64)	Sri Lanka	60 000	0.03	99.75
66	(66)	Cambodia	44 000	0.02	99.77
67	(67)	Puerto Rico	34 800	0.02	99.79
68	(68)	Kuwait	34 000	0.02	99.80
69	(69)	Madagascar	33 300	0.02	99.82
70	(70)	Honduras	29 200	0.01	99.83
71	(72)	Panama	24 200	0.01	99.85
72	(71)	Abu Dhabi (UAE)	24 000	0.01	99.86
73	(73)	Armenia	23 300	0.01	99.87
74	(81)	Afghanistan	21 900	0.01	99.88
75	(78)	El Salvador	21 554	0.01	99.89
76	(74)	Ghana	20 000	0.01	99.90
77	(77)	Mozambique	19 500	0.01	99.91
78	(75)	Croatia	19 000	0.01	99.92
79	(76)	Angola	19 000	0.01	99.93
80	(88)	Kenya	18 848	0.01	99.94
81	(79)	Albania	17 400	0.01	99.95
82	(80)	Jamaica	16 000	0.01	99.95
83	(85)	Oman	14 000	0.01	99.96
84	(83)	Mongolia	13 500	0.01	99.97
85	(82)	Libya	13 000	0.01	99.97
86	(84)	Yugoslavia	13 000	0.01	99.98
87	(86)	Nicaragua	10 700	0.01	99.99
88	(87)	Dominican Republic	7 800	0.00	99.99
89	(89)	Azerbaijan	5 380	0.00	99.99
90	(90)	Costa Rica	3 000	0.00	99.99
91	(91)	Niger	2 400	0.00	99.99
92	(92)	Laos	2 100	0.00	100.00
93	(94)	Turkmenistan	2 000	0.00	100.00
94	(93)	Somalia	1 900	0.00	100.00
95	(95)	Uganda	1 500	0.00	100.00
96	(96)	Lebanon	1 400	0.00	100.00
97	(97)	Cape Verde	820	0.00	100.00
98	(98)	Bolivia	290	0.00	100.00
99	( 0)	Slovenia	138	0.00	100.00
100	(99)	Malta	90	0.00	100.00
101	(**)	Benin	80	0.00	100.00
102	(**)	Nepal	6	0.00	100.00
		Total	203 916 123	100.00	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Sulfur

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	United States	9 270 000	22.97	22.97
2	( 2)	Canada	7 787 000	19.29	42.26
3	( 3)	China	6 500 000	16.10	58.37
4	( 4)	Russia (Europe)	4 100 000	10.16	68.52
5	( 5)	Saudi Arabia	2 200 000	5.45	73.98
6	( 6)	Iran	1 500 000	3.72	77.69
7	( 7)	Germany, Federal Rep.	1 093 091	2.71	80.40
8	( 9)	Mexico	887 035	2.20	82.60
9	(10)	France	795 000	1.97	84.57
10	(11)	Spain	790 000	1.96	86.53
11	( 8)	Poland	777 000	1.93	88.45
12	(12)	South Africa, Rep. of	520 000	1.29	89.74
13	(13)	Kuwait	480 000	1.19	90.93
14	(14)	Japan	460 000	1.14	92.07
15	(15)	Iraq	400 000	0.99	93.06
16	(16)	Brazil	370 000	0.92	93.98
17	(17)	Venezuela	370 000	0.92	94.89
18	(18)	Finland	300 000	0.74	95.64
19	(19)	Australia	250 000	0.62	96.25
20	(20)	Taiwan	230 000	0.57	96.82
21	(22)	Kazakhstan	148 000	0.37	97.19
22	(21)	Italy	140 000	0.35	97.54
23	(23)	United Kingdom	125 000	0.31	97.85
24	(24)	Ukraine	91 000	0.23	98.07
25	(25)	DPR Korea	80 000	0.20	98.27
26	(27)	Abu Dhabi (UAE)	80 000	0.20	98.47
27	(28)	Turkey	80 000	0.20	98.67
28	(26)	Yugoslavia	78 000	0.19	98.86
29	(29)	Colombia	60 162	0.15	99.01
30	(30)	Namibia	47 000	0.12	99.13
31	(31)	Qatar	44 500	0.11	99.24
32	(32)	Bahrain	42 500	0.11	99.34
33	(33)	Norway	38 000	0.09	99.44
34	(34)	Peru	30 000	0.07	99.51
35	(36)	Libya	30 000	0.07	99.59
36	(35)	Zambia	27 000	0.07	99.65
37	(37)	Algeria	23 200	0.06	99.71
38	(38)	Romania	20 000	0.05	99.76
39	(40)	Bulgaria	19 923	0.05	99.81
40	(39)	Zimbabwe	19 500	0.05	99.86
41	(41)	Indonesia	12 000	0.03	99.89
42	(42)	India	11 300	0.03	99.91
43	(43)	Ecuador	10 800	0.03	99.94

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

44	(44)	Austria	9 444	0.02	99.96
45	(45)	Egypt	5 200	0.01	99.98
46	(48)	Turkmenistan	4 000	0.01	99.99
47	(47)	Congo,D.R.	3 900	0.01	100.00
48	(49)	Albania	900	0.00	100.00
49	(50)	Pakistan	185	0.00	100.00
50	(51)	Bolivia	32	0.00	100.00
		Total	40 360 672	100.00	

## Talc

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	China	1 900 000	26.09	26.09
2	( 2)	Korea, Republic of	1 200 000	16.48	42.57
3	( 3)	United States	775 000	10.64	53.22
4	( 4)	Japan	540 000	7.42	60.63
5	( 5)	Finland	477 000	6.55	67.18
6	( 6)	Brazil	460 000	6.32	73.50
7	( 7)	India	420 000	5.77	79.27
8	( 8)	France	417 000	5.73	85.00
9	( 9)	Australia	145 000	1.99	86.99
10	(10)	Austria	138 195	1.90	88.89
11	(12)	Italy	100 000	1.37	90.26
12	(11)	Spain	97 000	1.33	91.59
13	(13)	Russia (Asia)	95 000	1.30	92.90
14	(14)	Russia (Europe)	95 000	1.30	94.20
15	(15)	Canada	92 000	1.26	95.46
16	(16)	DPR Korea	75 000	1.03	96.49
17	(24)	Iran	68 007	0.93	97.43
18	(17)	Norway	27 000	0.37	97.80
19	(18)	Mexico	24 000	0.33	98.13
20	(23)	Sweden	20 000	0.27	98.40
21	(20)	Germany, Federal Rep.	18 300	0.25	98.65
22	(21)	Peru	17 200	0.24	98.89
23	(22)	Colombia	16 200	0.22	99.11
24	(25)	Argentina	9 200	0.13	99.24
25	(28)	Romania	7 292	0.10	99.34
26	(27)	Taiwan	6 000	0.08	99.42
27	( 0)	Morocco	5 926	0.08	99.50
28	(31)	United Kingdom	5 000	0.07	99.57
29	(30)	South Africa, Rep. of	4 800	0.07	99.64
30	(32)	Turkey	4 700	0.06	99.70
31	(33)	Nepal	3 800	0.05	99.75
32	(34)	Egypt	3 000	0.04	99.80
33	(35)	Chile	2 600	0.04	99.83

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

34	(36)	Zimbabwe	2 300	0.03	99.86
35	(19)	Slovakia	2 290	0.03	99.89
36	(29)	Thailand	1 702	0.02	99.92
37	(26)	Portugal	1 328	0.02	99.94
38	(39)	Guatemala	1 200	0.02	99.95
39	(40)	Hungary	900	0.01	99.96
40	(38)	Uruguay	816	0.01	99.98
41	(41)	Macedonia	800	0.01	99.99
42	(37)	Greece	670	0.01	100.00
43	(42)	Zambia	270	0.00	100.00
		Total	7 281 496	100.00	

## Vermiculite

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	South Africa, Rep. of	150 000	36.98	36.98
2	( 2)	United States	115 000	28.35	65.34
3	( 3)	Ukraine	59 000	14.55	79.88
4	( 4)	Russia (Europe)	25 000	6.16	86.05
5	( 5)	Brazil	23 000	5.67	91.72
6	( 6)	Zimbabwe	12 000	2.96	94.68
7	( 7)	Australia	10 000	2.47	97.14
8	( 8)	Japan	6 200	1.53	98.67
9	( 9)	India	5 000	1.23	99.90
10	(10)	Egypt	300	0.07	99.98
11	(11)	Kenya	90	0.02	100.00
		Total	405 590	100.00	

## Zircon

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 2)	Australia	420 000	40.89	40.89
2	( 1)	South Africa, Rep. of	420 000	40.89	81.78
3	( 3)	United States	100 000	9.74	91.51
4	( 4)	Ukraine	35 000	3.41	94.92
5	( 5)	India	17 000	1.65	96.57
6	( 6)	China	16 000	1.56	98.13
7	( 7)	Brazil	12 600	1.23	99.36
8	( 8)	Malaysia	5 700	0.55	99.91
9	( 9)	Sri Lanka	900	0.09	100.00
		Total	1 027 200	100.00	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## 6.5.5 Mineral Fuels / Energierohstoffe

### Hard Coal

Rank 2002	Rank 2001	Country	Production 2002 metr.t	Share in %	cum. sh.
1	(1)	China	1 393 000 000	34.86	34.86
2	(2)	United States	918 700 000	22.99	57.84
3	(3)	India	350 000 000	8.76	66.60
4	(4)	Australia	272 000 000	6.81	73.41
5	(5)	South Africa, Rep. of	224 921 473	5.63	79.03
6	(6)	Russia (Asia)	180 000 000	4.50	83.54
7	(8)	Indonesia	103 130 000	2.58	86.12
8	(7)	Poland	96 160 000	2.41	88.52
9	(10)	Kazakhstan	70 600 000	1.77	90.29
10	(12)	DPR Korea	67 800 000	1.70	91.99
11	(11)	Canada	66 822 000	1.67	93.66
12	(9)	Ukraine	58 721 000	1.47	95.13
13	(13)	Colombia	39 532 000	0.99	96.12
14	(15)	United Kingdom	30 039 000	0.75	96.87
15	(14)	Germany, Federal Rep.	26 363 000	0.66	97.53
16	(16)	Czech Republic	14 097 000	0.35	97.88
17	(18)	Viet Nam	12 000 000	0.30	98.18
18	(17)	Spain	9 751 000	0.24	98.43
19	(19)	Venezuela	8 399 242	0.21	98.64
20	(21)	Mexico	6 370 872	0.16	98.80
21	(26)	Romania	5 700 000	0.14	98.94
22	(20)	Brazil	5 140 000	0.13	99.07
23	(23)	New Zealand	4 500 000	0.11	99.18
24	(22)	Zimbabwe	3 721 112	0.09	99.27
25	(27)	Pakistan	3 487 000	0.09	99.36
26	(28)	Japan	3 400 000	0.09	99.44
27	(24)	Korea, Republic of	3 300 000	0.08	99.53
28	(29)	Uzbekistan	2 900 000	0.07	99.60
29	(25)	Turkey	2 600 000	0.07	99.66
30	(32)	Norway	2 200 000	0.06	99.72
31	(30)	France	2 140 000	0.05	99.77
32	(31)	Iran	2 075 619	0.05	99.83
33	(33)	Philippines	1 645 659	0.04	99.87
34	(34)	Chile	1 000 000	0.03	99.89
35	(35)	Botswana	953 081	0.02	99.92
36	(36)	Hungary	660 000	0.02	99.93
37	(38)	Kyrgystan	497 500	0.01	99.94
38	(39)	Swaziland	370 000	0.01	99.95
39	(37)	Malaysia	352 513	0.01	99.96
40	(40)	Argentina	330 000	0.01	99.97

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



41	(41)	Afghanistan	200 000	0.01	99.98
42	(43)	Niger	182 916	0.00	99.98
43	(42)	Zambia	170 000	0.00	99.98
44	(44)	Yugoslavia	100 000	0.00	99.99
45	(45)	Nigeria	80 000	0.00	99.99
46	(46)	Tanzania	78 000	0.00	99.99
47	(47)	Peru	70 000	0.00	99.99
48	(48)	Bhutan	60 500	0.00	99.99
49	(49)	Mozambique	49 000	0.00	100.00
50	(51)	Malawi	41 900	0.00	100.00
51	(52)	Tajikistan	35 500	0.00	100.00
52	(50)	Taiwan	30 000	0.00	100.00
53	(53)	Laos	27 000	0.00	100.00
54	(54)	Morocco	18 000	0.00	100.00
55	(55)	Bulgaria	14 500	0.00	100.00
56	(56)	Georgia	6 000	0.00	100.00
57	(57)	Egypt	2 000	0.00	100.00
		Total	3 996 544 387	100.00	

## Lignite

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	Germany, Federal Rep.	181 779 000	20.20	20.20
2	( 3)	Greece	71 074 009	7.90	28.09
3	( 2)	Russia (Asia)	68 000 000	7.56	35.65
4	( 4)	Australia	67 000 000	7.44	43.09
5	( 5)	United States	67 000 000	7.44	50.54
6	( 7)	Turkey	60 000 000	6.67	57.21
7	( 6)	Poland	58 240 000	6.47	63.68
8	( 9)	China	50 000 000	5.56	69.23
9	( 8)	Czech Republic	49 335 000	5.48	74.71
10	(10)	Yugoslavia	44 000 000	4.89	79.60
11	(11)	Romania	30 189 000	3.35	82.96
12	(13)	India	24 000 000	2.67	85.62
13	(12)	Bulgaria	23 201 600	2.58	88.20
14	(14)	Thailand	19 601 984	2.18	90.38
15	(15)	DPR Korea	16 800 000	1.87	92.25
16	(18)	Spain	12 283 000	1.36	93.61
17	(16)	Hungary	12 100 000	1.34	94.96
18	(17)	Canada	9 500 000	1.06	96.01
19	(20)	Macedonia	8 600 000	0.96	96.97
20	(19)	Russia (Europe)	7 600 000	0.84	97.81
21	(21)	Mongolia	5 900 000	0.66	98.47
22	(22)	Slovenia	4 684 709	0.52	98.99
23	(23)	Slovakia	3 406 000	0.38	99.37

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

24	(24)	Kazakhstan	2 620 000	0.29	99.66
25	(25)	Austria	1 411 824	0.16	99.81
26	(26)	Ukraine	762 000	0.08	99.90
27	(27)	France	400 000	0.04	99.94
28	(28)	Italy	250 000	0.03	99.97
29	(29)	New Zealand	190 000	0.02	99.99
30	(30)	Myanmar	34 513	0.00	100.00
31	(31)	Albania	20 300	0.00	100.00
32	(32)	Nepal	16 400	0.00	100.00
		Total	899 999 339	100.00	

## Natural Gas

Rank 2002	Rank 2001	C o u n t r y	Production 2002 Mio m <sup>3</sup>	Share in %	cum. sh.
1	( 1)	United States	551 700	22.46	22.46
2	( 2)	Russia (Europe)	535 500	21.80	44.25
3	( 3)	Canada	171 348	6.97	51.23
4	( 4)	United Kingdom	109 512	4.46	55.68
5	( 6)	Indonesia	86 083	3.50	59.19
6	( 5)	Algeria	84 000	3.42	62.61
7	( 7)	Netherlands	72 000	2.93	65.54
8	( 9)	Norway	68 300	2.78	68.32
9	( 8)	Iran	61 000	2.48	70.80
10	(11)	Russia (Asia)	59 500	2.42	73.22
11	(10)	Uzbekistan	57 670	2.35	75.57
12	(14)	Saudi Arabia	50 500	2.06	77.62
13	(13)	Mexico	38 700	1.58	79.20
14	(12)	Argentina	38 500	1.57	80.77
15	(15)	Australia	32 700	1.33	82.10
16	(17)	Abu Dhabi (UAE)	28 880	1.18	83.27
17	(18)	China	28 000	1.14	84.41
18	(16)	Venezuela	28 000	1.14	85.55
19	(20)	Pakistan	24 800	1.01	86.56
20	(19)	India	23 500	0.96	87.52
21	(24)	Germany, Federal Rep.	21 424	0.87	88.39
22	(21)	Thailand	20 568	0.84	89.23
23	(23)	Ukraine	19 000	0.77	90.00
24	(22)	Egypt	19 000	0.77	90.77
25	(27)	Brazil	16 568	0.67	91.45
26	(25)	Italy	15 100	0.61	92.06
27	(26)	Romania	13 425	0.55	92.61
28	(28)	Qatar	13 000	0.53	93.14
29	(36)	Nigeria	13 000	0.53	93.67
30	(31)	Brunei	10 000	0.41	94.07
31	(29)	Kuwait	9 800	0.40	94.47

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

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32	(30)	Trinidad and Tobago	9 800	0.40	94.87
33	(32)	Bangladesh	8 900	0.36	95.23
34	(33)	Denmark	8 300	0.34	95.57
35	(34)	Oman	7 500	0.31	95.88
36	(35)	Sharjah (UAE)	7 400	0.30	96.18
37	(47)	Syria	6 418	0.26	96.44
38	(37)	Libya	6 000	0.24	96.68
39	(38)	New Zealand	5 800	0.24	96.92
40	(39)	Bolivia	5 720	0.23	97.15
41	(41)	Bahrain	5 600	0.23	97.38
42	(40)	Azerbaijan	5 144	0.21	97.59
43	(44)	Poland	4 920	0.20	97.79
44	(43)	Malaysia	4 837	0.20	97.99
45	(42)	Colombia	4 500	0.18	98.17
46	(45)	Iraq	4 400	0.18	98.35
47	(46)	Kazakhstan	4 000	0.16	98.51
48	(48)	Dubai (UAE)	3 720	0.15	98.66
49	(50)	Viet Nam	3 400	0.14	98.80
50	(49)	Ecuador	3 200	0.13	98.93
51	(51)	Hungary	3 100	0.13	99.06
52	(52)	Croatia	2 880	0.12	99.18
53	(53)	Chile	2 500	0.10	99.28
54	(54)	Japan	2 500	0.10	99.38
55	(55)	Tunisia	2 100	0.09	99.46
56	(56)	Austria	2 015	0.08	99.55
57	(70)	Philippines	1 761	0.07	99.62
58	(58)	Myanmar	1 550	0.06	99.68
59	(57)	France	1 400	0.06	99.74
60	(59)	Ireland	980	0.04	99.78
61	(61)	Taiwan	887	0.04	99.81
62	(60)	Peru	860	0.04	99.85
63	(62)	Yugoslavia	720	0.03	99.88
64	(63)	Spain	551	0.02	99.90
65	(64)	Angola	460	0.02	99.92
66	(66)	Jordan	287	0.01	99.93
67	(65)	Afghanistan	285	0.01	99.94
68	(67)	Turkey	268	0.01	99.95
69	(68)	Belorussia	246	0.01	99.96
70	(69)	Slovakia	212	0.01	99.97
71	(71)	Gabon	104	0.00	99.98
72	(72)	Czech Republic	91	0.00	99.98
73	(73)	Papua New Guinea	91	0.00	99.98
74	(86)	Slovenia	57	0.00	99.99
75	(74)	Turkmenistan	53	0.00	99.99
76	(75)	Morocco	47	0.00	99.99
77	(76)	Cuba	38	0.00	99.99
78	(79)	Greece	36	0.00	99.99
79	(80)	Barbados	33	0.00	100.00
80	(77)	Tajikistan	33	0.00	100.00
81	(78)	Kyrgystan	29	0.00	100.00

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

82	(82)	Senegal	20	0.00	100.00
83	(81)	Bulgaria	11	0.00	100.00
84	(83)	Albania	9	0.00	100.00
85	(84)	Israel	9	0.00	100.00
86	(85)	Guatemala	6	0.00	100.00
		Total	2 456 866	100.00	

## Oil

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	Saudi Arabia	407 200 000	11.57	11.57
2	( 2)	United States	350 100 000	9.95	21.52
3	( 3)	Russia (Europe)	329 400 000	9.36	30.88
4	( 5)	Mexico	179 200 000	5.09	35.97
5	( 4)	Iran	170 700 000	4.85	40.82
6	( 6)	China	167 000 000	4.75	45.56
7	( 8)	Venezuela	162 800 000	4.63	50.19
8	( 7)	Norway	159 200 000	4.52	54.71
9	( 9)	Canada	137 000 000	3.89	58.61
10	(12)	United Kingdom	107 400 000	3.05	61.66
11	(11)	Iraq	101 200 000	2.88	64.53
12	(10)	Kuwait	98 000 000	2.78	67.32
13	(13)	Nigeria	97 600 000	2.77	70.09
14	(14)	Abu Dhabi (UAE)	86 586 808	2.46	72.55
15	(16)	Brazil	84 440 000	2.40	74.95
16	(17)	Algeria	66 500 000	1.89	76.84
17	(15)	Indonesia	65 162 400	1.85	78.69
18	(18)	Libya	63 800 000	1.81	80.50
19	(19)	Oman	52 000 000	1.48	81.98
20	(24)	Kazakhstan	47 220 000	1.34	83.32
21	(21)	Angola	46 200 000	1.31	84.64
22	(20)	Argentina	40 000 000	1.14	85.77
23	(26)	Russia (Asia)	36 600 000	1.04	86.81
24	(25)	Malaysia	36 512 950	1.04	87.85
25	(22)	Qatar	34 000 000	0.97	88.82
26	(23)	Egypt	32 964 172	0.94	89.75
27	(29)	India	32 000 000	0.91	90.66
28	(28)	Australia	31 800 000	0.90	91.57
29	(27)	Colombia	30 155 124	0.86	92.42
30	(30)	Syria	24 790 000	0.70	93.13
31	(32)	Yemen, Republic of	21 700 000	0.62	93.74
32	(31)	Ecuador	20 700 000	0.59	94.33
33	(33)	Dubai (UAE)	17 789 800	0.51	94.84
34	(34)	Denmark	17 700 000	0.50	95.34
35	(35)	Viet Nam	17 000 000	0.48	95.82
36	(37)	Azerbaijan	15 333 500	0.44	96.26

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

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37	(36)	Gabon	14 700 000	0.42	96.68
38	(38)	Congo	13 000 000	0.37	97.05
39	(39)	Brunei	9 700 000	0.28	97.32
40	(40)	Turkmenistan	9 000 000	0.26	97.58
41	(41)	Trinidad and Tobago	7 200 000	0.20	97.78
42	(42)	Uzbekistan	7 200 000	0.20	97.99
43	(43)	Romania	5 840 000	0.17	98.15
44	(46)	Italy	5 200 000	0.15	98.30
45	(44)	Peru	5 000 000	0.14	98.44
46	(45)	Papua New Guinea	4 900 000	0.14	98.58
47	(49)	Thailand	3 957 435	0.11	98.69
48	(48)	Germany, Federal Rep.	3 768 054	0.11	98.80
49	(51)	Ukraine	3 732 500	0.11	98.91
50	(47)	Tunisia	3 300 000	0.09	99.00
51	(54)	Netherlands	3 000 000	0.09	99.09
52	(50)	Cameroon	2 900 000	0.08	99.17
53	(53)	New Zealand	2 600 000	0.07	99.24
54	(77)	Czech Republic	2 530 000	0.07	99.31
55	(52)	Turkey	2 400 000	0.07	99.38
56	(56)	Bahrain	1 900 000	0.05	99.44
57	(55)	Belorussia	1 846 000	0.05	99.49
58	(58)	Bolivia	1 700 000	0.05	99.54
59	(57)	France	1 600 000	0.05	99.58
60	(59)	Congo,D.R.	1 450 000	0.04	99.62
61	(61)	Cuba	1 200 000	0.03	99.66
62	(63)	Pakistan	1 100 330	0.03	99.69
63	(60)	Guatemala	1 100 000	0.03	99.72
64	(64)	Hungary	1 050 000	0.03	99.75
65	(65)	Austria	1 032 204	0.03	99.78
66	(62)	Croatia	906 953	0.03	99.80
67	(66)	Yugoslavia	850 000	0.02	99.83
68	(67)	Myanmar	810 000	0.02	99.85
69	(68)	Japan	780 000	0.02	99.87
70	(80)	Philippines	764 451	0.02	99.90
71	(75)	Chile	500 000	0.01	99.91
72	(70)	Poland	437 330	0.01	99.92
73	(69)	Lithuania	433 727	0.01	99.93
74	(72)	Suriname	400 000	0.01	99.95
75	(71)	Sharjah (UAE)	378 610	0.01	99.96
76	(74)	Albania	330 000	0.01	99.97
77	(73)	Spain	324 000	0.01	99.98
78	(76)	Greece	186 661	0.01	99.98
79	(78)	Benin	132 000	0.00	99.98
80	(79)	Equatorial Guinea	110 000	0.00	99.99
81	(81)	Kyrgystan	75 500	0.00	99.99
82	(83)	Georgia	73 900	0.00	99.99
83	(82)	Barbados	66 000	0.00	99.99
84	(84)	Bangladesh	59 000	0.00	100.00
85	(85)	Slovakia	51 920	0.00	100.00
86	(86)	Ras Al-Khaimah (UAE)	45 378	0.00	100.00
87	(87)	Bulgaria	33 000	0.00	100.00
88	(88)	Tajikistan	16 100	0.00	100.00

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

89	(89)	Morocco	12 800	0.00	100.00
90	(90)	Israel	3 600	0.00	100.00
91	(91)	Jordan	1 900	0.00	100.00
92	(92)	Slovenia	613	0.00	100.00
Total			3 519 444 720	100.00	

## Oil Shale

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	Estonia	10 513 000	84.66	84.66
2	( 2)	Russia (Europe)	1 500 000	12.08	96.74
3	( 3)	Germany, Federal Rep.	366 841	2.95	99.70
4	( 4)	Italy	23 500	0.19	99.88
5	( 5)	France	14 000	0.11	100.00
6	( 6)	Austria	336	0.00	100.00
Total			12 417 677	100.00	

## Uranium

Rank 2002	Rank 2001	C o u n t r y	Production 2002 metr.t	Share in %	cum. sh.
1	( 1)	Canada	15 396	34.65	34.65
2	( 2)	Australia	8 337	18.76	53.41
3	( 7)	Russia (Asia)	3 419	7.69	61.10
4	( 3)	Namibia	3 244	7.30	68.40
5	( 4)	Niger	3 076	6.92	75.33
6	( 6)	Kazakhstan	2 936	6.61	81.93
7	( 5)	Uzbekistan	2 311	5.20	87.13
8	( 8)	South Africa, Rep. of	1 177	2.65	89.78
9	( 9)	United States	1 088	2.45	92.23
10	(10)	Ukraine	943	2.12	94.35
11	(12)	China	860	1.94	96.29
12	(11)	Gabon	820	1.85	98.13
13	(13)	Czech Republic	383	0.86	99.00
14	(16)	India	271	0.61	99.61
15	(17)	Mongolia	68	0.15	99.76
16	(14)	Spain	54	0.12	99.88
17	(18)	Germany, Federal Rep.	26	0.06	99.94
18	(15)	France	23	0.05	99.99
19	(19)	Portugal	4	0.01	100.00
Total			44 436	100.00	

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

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

### Produktion mineralischer Rohstoffe der einzelnen Länder, nach Ländern geordnet

#### Abu Dhabi (UAE)

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gypsum	(t)	23 000	20 000	18 000	17 500	17 000	-26.09	-2.86
Salt	(t)	30 000	28 000	26 000	25 000	24 000	-20.00	-4.00
Sulfur	(t)	75 000	73 000	70 000	79 000	80 000	6.67	1.27
Nat. Gas (Mio m3)		16 500	16 000	16 500	28 158	28 880	75.03	2.56
Oil	(t)	90 469 995	88 096 400	99 558 305	92 550 391	86 586 808	-4.29	-6.44

#### Afghanistan

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Chromium	(t)	1 500	1 900	2 352	2 500	2 700	80.00	8.00
Copper	(t)	680	1 200	1 800	2 000	2 100	208.82	5.00
Baryte	(t)	3 700	4 100	5 200	5 500	5 600	51.35	1.82
Fluorspar	(t)	800	1 000	1 100	1 200	1 400	75.00	16.67
Gypsum	(t)	90 000	100 000	150 000	200 000	270 000	200.00	35.00
Salt	(t)	38 000	30 820	18 100	15 000	21 900	-42.37	46.00
Hard-Coal	(t)	105 000	120 000	135 000	180 000	200 000	90.48	11.11
Nat. Gas (Mio m3)		259	307	301	359	285	10.04	-20.61

#### Albania

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	5 500	5 300	5 000	4 800	4 600	-16.36	-4.17
Chromium	(t)	14 000	6 837	6 000	7 000	9 000	-35.71	28.57
Bauxite	(t)	4 000	4 624	4 800	4 900	5 000	25.00	2.04
Copper	(t)	8 650	8 690	9 000	9 200	9 400	8.67	2.17

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Gypsum	(t)	1 500	3 499	10 500	17 464	18 000	1100.00	3.07
Kaolin	(t)	1 100	1 000	980	1 340	1 400	27.27	4.48
Salt	(t)	22 000	20 000	18 000	17 500	17 400	-20.91	-0.57
Sulfur	(t)	1 200	1 100	1 000	900	900	-25.00	0.00
Lignite	(t)	33 000	32 595	20 000	27 500	20 300	-38.48	-26.18
Nat.Gas (Mio m3)		16	14	11	10	9	-43.75	-10.00
Oil	(t)	309 000	323 009	325 000	329 370	330 000	6.80	0.19

## Algeria

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	972 000	721 440	720 000	719 000	718 000	-26.13	-0.14
Cadmium	(t)	50	40	38	37	36	-28.00	-2.70
Lead	(t)	700	600	550	540	520	-25.71	-3.70
Mercury	(t)	224	240	240	220	620	176.79	181.82
Zinc	(t)	4 644	5 292	5 600	5 700	5 000	7.67	-12.28
Silver	(kg)	1 500	1 400	1 300	1 250	1 200	-20.00	-4.00
Baryte	(t)	37 000	50 500	53 000	54 000	55 000	48.65	1.85
Bentonite	(t)	16 000	15 500	15 000	14 800	14 500	-9.38	-2.03
Diatomite	(t)	2 100	2 000	1 800	1 700	1 500	-28.57	-11.76
Feldspar	(t)	5 000	4 500	4 300	4 200	4 000	-20.00	-4.76
Gypsum	(t)	200 000	190 000	180 000	178 000	176 000	-12.00	-1.12
Kaolin	(t)	13 600	16 800	17 000	17 200	17 400	27.94	1.16
Phosphate	(t)	442 000	372 640	297 840	298 180	251 940	-43.00	-15.51
Salt	(t)	172 000	163 700	160 000	158 000	155 000	-9.88	-1.90
Sulfur	(t)	24 500	24 000	23 800	23 500	23 200	-5.31	-1.28
Nat.Gas (Mio m3)		80 000	83 200	85 000	84 000	84 000	5.00	0.00
Oil	(t)	38 100 000	56 500 000	59 200 000	67 600 000	66 500 000	74.54	-1.63

## Angola

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Diam. (Gem)	(c)	2 700 000	3 262 500	3 605 400	4 050 000	5 400 000	100.00	33.33
Diam. (Ind)	(c)	300 000	362 500	400 600	450 000	600 000	100.00	33.33
Gypsum	(t)	27 000	25 000	23 000	21 000	20 000	-25.93	-4.76
Salt	(t)	25 000	23 000	20 000	20 000	19 000	-24.00	-5.00
Nat.Gas (Mio m3)		400	420	430	440	460	15.00	4.55
Oil	(t)	37 500 000	39 733 900	37 600 000	39 118 875	46 200 000	23.20	18.10

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



## Argentina

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Aluminium	(t)	186 700	190 000	195 000	196 000	197 000	5.52	0.51
Cadmium	(t)	30	28	26	25	24	-20.00	-4.00
Copper	(t)	170 273	210 126	145 197	191 566	218 100	28.09	13.85
Lead	(t)	15 004	14 256	14 115	12 334	12 931	-13.82	4.84
Zinc	(t)	35 560	34 192	33 761	39 703	36 358	2.24	-8.43
Gold	(kg)	20 400	38 515	26 388	30 630	32 486	59.25	6.06
Silver	(kg)	56 600	73 788	78 271	152 802	113 027	99.69	-26.03
Baryte	(t)	10 000	9 000	8 500	8 500	8 400	-16.00	-1.18
Bentonite	(t)	137 210	152 300	167 600	130 000	88 685	-35.37	-31.78
Boron	(t)	275 422	302 900	512 624	673 320	509 630	85.04	-24.31
Diatomite	(t)	9 500	10 000	11 000	11 500	11 800	24.21	2.61
Feldspar	(t)	82 000	84 000	85 000	86 000	87 000	6.10	1.16
Fluorspar	(t)	12 000	7 000	6 000	5 800	5 900	-50.83	1.72
Gypsum	(t)	550 556	633 100	560 000	425 600	445 461	-19.09	4.67
Kaolin	(t)	66 000	67 000	80 000	90 000	100 000	51.52	11.11
Perlite	(t)	21 495	20 000	19 800	19 700	19 600	-8.82	-0.51
Salt	(t)	1 200 000	1 250 000	1 300 000	1 350 000	1 380 000	15.00	2.22
Talc	(t)	10 000	9 500	9 300	9 250	9 200	-8.00	-0.54
Hard-Coal	(t)	240 000	280 000	300 000	320 000	330 000	37.50	3.13
Nat.Gas (Mio m3)		30 000	39 000	41 000	41 000	38 500	28.33	-6.10
Oil	(t)	45 700 000	41 777 900	40 100 000	41 700 000	40 000 000	-12.47	-4.08
Uranium	(t)	35	20	0	0	0	-100.00	.

## Armenia

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Molybdenum	(t)	650	800	2 500	3 255	4 000	515.38	22.89
Copper	(t)	9 158	9 611	14 000	16 800	17 000	85.63	1.19
Zinc	(t)	500	871	900	950	980	96.00	3.16
Gold	(kg)	250	200	180	170	160	-36.00	-5.88
Baryte	(t)	320	300	280	270	250	-21.88	-7.41
Bentonite	(t)	65 000	63 000	60 000	58 000	56 000	-13.85	-3.45
Diatomite	(t)	350	320	300	280	250	-28.57	-10.71
Perlite	(t)	10 000	40 000	40 000	40 000	38 000	280.00	-5.00
Salt	(t)	24 911	24 000	23 800	23 500	23 300	-6.47	-0.85

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Australia

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	96 997 320	100 641 870	107 728 740	184 000 000	185 300 000	91.04	0.71
Cobalt	(t)	2 000	4 100	5 700	5 900	6 000	200.00	1.69
Manganese	(t)	1 630 000	1 501 000	1 490 000	1 400 000	1 380 000	-15.34	-1.43
Nickel	(t)	130 000	147 000	167 000	199 000	191 000	46.92	-4.02
Tantalum-Col.	(t)	300	320	330	340	350	16.67	2.94
Titanium	(t)	1 538 850	1 351 020	1 379 550	1 980 000	2 000 000	29.97	1.01
Aluminium	(t)	1 686 000	1 742 000	1 769 000	1 790 000	1 810 000	7.35	1.12
Antimony	(t)	1 800	1 800	1 800	1 000	900	-50.00	-10.00
Bauxite	(t)	46 444 000	51 046 000	53 801 000	54 000 000	53 900 000	16.05	-0.19
Cadmium	(t)	585	462	525	378	370	-36.75	-2.12
Copper	(t)	678 000	477 000	487 000	595 000	876 000	29.20	47.23
Lead	(t)	662 000	692 000	678 000	726 000	658 000	-0.60	-9.37
Lithium	(t)	7 000	6 000	5 500	6 000	6 000	-14.29	0.00
Rare Earths	(t)	800	600	300	0	0	-100.00	.
Tin	(t)	9 822	9 828	9 146	9 640	7 500	-23.64	-22.20
Zinc	(t)	1 142 000	1 265 000	1 410 000	1 500 000	1 490 000	30.47	-0.67
Gold	(kg)	302 760	383 000	349 000	281 000	264 000	-12.80	-6.05
Platinum	(kg)	430	420	410	400	380	-11.63	-5.00
Silver	(kg)	1 594 000	1 894 000	1 900 000	1 970 000	2 110 880	32.43	7.15
Baryte	(t)	13 000	13 300	13 400	13 500	16 000	23.08	18.52
Bentonite	(t)	58 000	57 000	56 000	55 000	53 000	-8.62	-3.64
Diam. (Gem)	(c)	14 379 200	11 880 000	7 932 800	10 592 000	13 400 000	-6.81	26.51
Diam. (Ind)	(c)	21 568 800	17 820 000	11 899 200	15 888 000	20 100 000	-6.81	26.51
Diatomite	(t)	9 800	9 500	9 300	9 100	9 000	-8.16	-1.10
Feldspar	(t)	23 200	23 000	22 800	22 500	22 000	-5.17	-2.22
Gypsum	(t)	2 200 000	2 200 000	3 800 000	4 000 000	3 800 000	72.73	-5.00
Kaolin	(t)	220 000	100 000	100 000	100 000	230 000	4.55	130.00
Magnesite	(t)	360 787	341 067	349 933	540 000	540 000	49.67	0.00
Perlite	(t)	3 200	3 000	2 800	2 500	2 300	-28.13	-8.00
Phosphate	(t)	1 855	1 670	1 500	1 450	2 075	11.86	43.10
Salt	(t)	9 203 000	9 877 000	8 798 000	8 800 000	10 000 000	8.66	13.64
Sulfur	(t)	330 000	300 000	280 000	260 000	250 000	-24.24	-3.85
Talc	(t)	158 000	155 000	150 000	148 000	145 000	-8.23	-2.03
Vermiculite	(t)	12 000	20 000	22 000	12 000	10 000	-16.67	-16.67
Zircon	(t)	393 000	372 000	373 000	398 000	420 000	6.87	5.53
Hard-Coal	(t)	287 970 000	236 560 000	244 000 000	267 800 000	272 000 000	-5.55	1.57
Lignite	(t)	65 820 000	65 780 000	64 960 000	65 000 000	67 000 000	1.79	3.08
Nat.Gas (Mio m3)		30 681	31 180	31 165	33 100	32 700	6.58	-1.21
Oil	(t)	27 898 000	37 447 000	40 734 000	32 500 000	31 800 000	13.99	-2.15
Uranium	(t)	5 780	8 217	8 948	9 103	8 337	44.24	-8.41

Abbreviations: see Explanation; Abkürzungen: siehe Einleitende Bemerkungen

## Austria

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	573 440	559 040	595 024	589 848	621 363	8.36	5.34
Tungsten	(t)	1 813	2 015	2 082	2 329	2 242	23.66	-3.74
Graphite	(t)	10 738	2 635	669	116	0	-100.00	-100.00
Gypsum	(t)	961 400	999 204	946 044	929 223	969 202	0.81	4.30
Kaolin	(t)	298 110	152 457	118 508	89 632	50 908	-82.92	-43.20
Magnesite	(t)	722 876	748 635	725 832	680 534	728 235	0.74	7.01
Salt	(t)	735 468	809 071	940 176	897 430	964 882	31.19	7.52
Sulfur	(t)	10 045	9 468	9 646	10 912	9 444	-5.98	-13.45
Talc	(t)	137 114	129 576	133 060	137 776	138 195	0.79	0.30
Lignite	(t)	1 140 151	1 137 388	1 254 605	1 193 970	1 411 824	23.83	18.25
Nat.Gas (Mio m3)		1 568	1 741	1 805	1 954	2 015	28.51	3.12
Oil	(t)	1 014 520	1 063 506	1 056 183	1 050 355	1 032 204	1.74	-1.73
Oil-Shale	(t)	432	496	440	408	336	-22.22	-17.65

### Remarks:

Crude oil incl. Condensate

## Azerbaijan

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	22 000	7 100	8 200	4 700	4 000	-81.82	-14.89
Aluminium	(t)	3 386	1 278	295	57	58	-98.29	1.75
Gypsum	(t)	3 300	2 100	2 286	1 750	1 039	-68.52	-40.63
Salt	(t)	3 518	2 978	4 033	3 734	5 380	52.93	44.08
Nat.Gas (Mio m3)		5 590	5 997	5 642	5 534	5 144	-7.98	-7.05
Oil	(t)	11 423 708	13 807 286	14 016 978	14 909 100	15 333 500	34.23	2.85

## Bahamas

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Salt	(t)	730 000	720 000	710 000	700 000	690 000	-5.48	-1.43

## Bahrain

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Aluminium	(t)	460 000	430 000	400 000	460 000	460 000	0.00	0.00
Sulfur	(t)	41 000	41 500	41 800	42 000	42 500	3.66	1.19
Nat.Gas (Mio m3)		5 700	5 600	5 500	5 500	5 600	-1.75	1.82
Oil	(t)	1 966 375	2 000 000	2 200 000	1 825 548	1 900 000	-3.38	4.08

## Bangladesh

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Kaolin	(t)	3 700	3 500	3 300	3 200	3 000	-18.92	-6.25
Salt	(t)	580 000	560 000	540 000	530 000	520 000	-10.34	-1.89
Nat.Gas (Mio m3)		9 000	11 000	9 200	9 000	8 900	-1.11	-1.11
Oil	(t)	65 000	61 000	60 000	59 800	59 000	-9.23	-1.34

### Remarks:

Crude oil incl. Condensate

## Barbados

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Nat.Gas (Mio m3)		26	27	28	32	33	26.92	3.13
Oil	(t)	60 000	80 000	85 000	66 260	66 000	10.00	-0.39

## Belgium

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Baryte	(t)	30 000	14 301	28 000	30 000	29 000	-3.33	-3.33
Kaolin	(t)	300	300	315	387	410	36.67	5.94

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Belorussia

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Potash	(t)	4 181 000	3 600 000	3 372 000	3 600 000	3 790 000	-9.35	5.28
Salt	(t)	290 000	300 000	310 704	315 000	136 900	-52.79	-56.54
Nat.Gas (Mio m3)		252	300	257	255	246	-2.38	-3.53
Oil	(t)	1 630 000	1 800 000	1 840 600	1 900 000	1 846 000	13.25	-2.84

## Benin

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Salt	(t)	70	75	76	78	80	14.29	2.56
Oil	(t)	140 000	135 000	134 000	133 000	132 000	-5.71	-0.75

## Bhutan

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gypsum	(t)	67 000	68 000	68 500	68 700	70 000	4.48	1.89
Hard-Coal	(t)	63 000	62 000	61 000	60 800	60 500	-3.97	-0.49

## Bolivia

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Tantalum-Col.	(t)	16	9	9	8	7	-56.25	-12.50
Tungsten	(t)	627	421	481	500	550	-12.28	10.00
Antimony	(t)	4 735	2 790	1 907	2 072	2 200	-53.54	6.18
Arsenic	(t)	284	437	318	300	290	2.11	-3.33
Bismuth	(t)	0	0	6	4	4	.	0.00
Copper	(t)	84	252	110	0	0	-100.00	.
Lead	(t)	13 848	10 153	9 523	9 100	9 000	-35.01	-1.10
Tin	(t)	11 308	12 417	12 464	12 000	11 800	4.35	-1.67
Zinc	(t)	152 110	146 316	149 134	142 000	140 000	-7.96	-1.41
Gold	(kg)	14 443	11 787	12 001	12 374	12 400	-14.15	0.21
Silver	(kg)	403 961	422 492	433 592	409 700	400 000	-0.98	-2.37

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Baryte	(t)	2 500	6 005	3 050	3 000	2 900	16.00	-3.33
Bentonite	(t)	1 334	1 400	1 500	1 600	1 800	34.93	12.50
Boron	(t)	7 026	6 746	33 951	35 000	36 000	412.38	2.86
Gypsum	(t)	0	72	100	150	170	.	13.33
Salt	(t)	720	688	327	300	290	-59.72	-3.33
Sulfur	(t)	0	7	29	30	32	.	6.67
Nat.Gas (Mio m3)		6 234	5 881	5 703	5 700	5 720	-8.25	0.35
Oil	(t)	1 800 000	1 692 940	1 643 060	1 650 000	1 700 000	-5.56	3.03

## Botswana

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Cobalt	(t)	352	329	331	211	269	-23.58	27.49
Nickel	(t)	15 593	15 820	22 898	22 115	23 972	53.74	8.40
Copper	(t)	19 432	18 239	20 960	18 112	21 498	10.63	18.69
Gold	(kg)	0	0	2	2	21	.	950.00
Silver	(kg)	0	0	0	0	162	.	.
Diam. (Gem)	(c)	13 841 100	14 943 000	14 943 600	18 412 000	19 877 900	43.62	7.96
Diam. (Ind)	(c)	5 931 900	6 404 400	6 404 400	7 925 000	8 519 100	43.62	7.50
Salt	(t)	214 700	230 000	233 000	235 000	315 100	46.76	34.09
Hard-Coal	(t)	928 100	950 000	945 000	943 000	953 081	2.69	1.07

## Brazil

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	120 060 000	194 000 000	212 000 000	215 500 000	222 000 000	84.91	3.02
Chromium	(t)	90 000	76 050	74 100	67 876	65 000	-27.78	-4.24
Manganese	(t)	872 000	656 000	840 000	882 465	1 008 000	15.60	14.23
Nickel	(t)	26 350	32 268	32 000	33 601	29 950	13.66	-10.87
Tantalum-Col.	(t)	49 470	42 700	42 000	35 000	27 000	-45.42	-22.86
Titanium	(t)	53 000	54 000	54 000	66 936	64 800	22.26	-3.19
Tungsten	(t)	0	0	0	55	70	.	27.27
Aluminium	(t)	1 210 000	1 250 000	1 270 000	1 140 000	1 100 000	-9.09	-3.51
Bauxite	(t)	13 500 000	13 500 000	14 100 000	13 790 000	18 200 000	34.81	31.98
Cadmium	(t)	162	165	168	170	170	4.94	0.00
Copper	(t)	33 500	31 200	31 000	34 448	30 642	-8.53	-11.05
Lead	(t)	7 600	9 000	10 500	14 779	11 000	44.74	-25.57

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Lithium	(t)	25	24	27	27	28	12.00	3.70
Rare Earths	(t)	400	350	340	335	200	-50.00	-40.30
Tin	(t)	14 607	13 200	13 800	13 048	11 584	-20.70	-11.22
Zinc	(t)	140 000	96 500	99 000	111 432	133 322	-4.77	19.64
Gold	(kg)	49 000	43 000	48 000	52 953	38 058	-22.33	-28.13
Silver	(kg)	25 000	24 000	30 000	46 046	48 000	92.00	4.24
Asbestos	(t)	198 300	188 400	180 000	172 695	194 732	-1.80	12.76
Baryte	(t)	52 000	52 500	52 800	53 000	53 000	1.92	0.00
Bentonite	(t)	230 000	240 000	245 000	160 381	150 000	-34.78	-6.47
Diam. (Gem)	(c)	280 000	350 000	455 000	490 000	525 000	87.50	7.14
Diam. (Ind)	(c)	120 000	150 000	195 000	210 000	225 000	87.50	7.14
Diatomite	(t)	13 000	12 500	10 000	7 386	7 000	-46.15	-5.23
Feldspar	(t)	130 000	125 000	122 000	105 000	100 000	-23.08	-4.76
Fluorspar	(t)	65 000	38 200	45 000	54 399	47 899	-26.31	-11.95
Graphite	(t)	30 000	29 000	27 000	25 000	23 000	-23.33	-8.00
Gypsum	(t)	1 220 000	1 530 000	1 700 000	1 453 180	1 630 000	33.61	12.17
Kaolin	(t)	1 380 000	1 520 000	1 600 000	1 817 419	2 090 000	51.45	15.00
Magnesite	(t)	292 000	208 800	300 000	265 749	310 000	6.16	16.65
Phosphate	(t)	1 502 800	1 462 000	1 598 000	1 707 000	1 659 200	10.41	-2.80
Potash	(t)	326 000	348 200	336 000	356 961	439 000	34.66	22.98
Salt	(t)	6 800 000	7 100 000	7 000 000	5 578 000	6 000 000	-11.76	7.57
Sulfur	(t)	460 000	480 000	490 000	384 672	370 000	-19.57	-3.81
Talc	(t)	450 000	430 000	410 000	450 000	460 000	2.22	2.22
Vermiculite	(t)	20 500	40 000	45 000	24 226	23 000	12.20	-5.06
Zircon	(t)	15 000	14 000	13 000	12 800	12 600	-16.00	-1.56
Hard-Coal	(t)	5 560 000	5 720 000	6 790 000	7 356 760	5 140 000	-7.55	-30.13
Nat.Gas (Mio m3)		10 833	13 191	12 810	14 045	16 568	52.94	17.96
Oil	(t)	56 596 000	64 614 000	72 587 000	77 577 417	84 440 000	49.20	8.85

## Brunei

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Nat.Gas (Mio m3)		9 400	9 000	9 600	9 800	10 000	6.38	2.04
Oil	(t)	9 800 000	7 887 650	9 100 000	9 600 000	9 700 000	-1.02	1.04

## Bulgaria

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	185 039	361 200	304 100	240 000	217 553	17.57	-9.35
Manganese	(t)	16 679	17 000	14 000	10 000	11 700	-29.85	17.00

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Cadmium	(t)	264	260	250	233	220	-16.67	-5.58
Copper	(t)	87 500	111 730	114 144	124 390	108 444	23.94	-12.82
Lead	(t)	34 595	25 000	19 541	26 400	43 845	26.74	66.08
Zinc	(t)	16 000	19 675	19 448	23 600	50 834	217.71	115.40
Gold	(kg)	1 213	1 033	1 000	1 538	2 612	115.33	69.83
Silver	(kg)	23 700	23 000	24 000	25 000	26 000	9.70	4.00
Asbestos	(t)	672	650	620	600	0	-100.00	-100.00
Baryte	(t)	120 000	130 000	120 000	125 000	100 000	-16.67	-20.00
Gypsum	(t)	183 929	148 700	169 600	167 000	156 000	-15.18	-6.59
Kaolin	(t)	151 451	150 000	140 000	140 000	100 000	-33.97	-28.57
Salt	(t)	73 742	70 000	69 747	68 000	67 000	-9.14	-1.47
Sulfur	(t)	21 535	20 000	18 000	17 500	19 923	-7.49	13.85
Hard-Coal	(t)	13 192	17 200	17 500	14 000	14 500	9.92	3.57
Lignite	(t)	27 116 947	22 586 182	23 712 006	23 856 000	23 201 600	-14.44	-2.74
Nat.Gas (Mio m3)		13	26	15	22	11	-15.38	-50.00
Oil	(t)	29 103	32 700	40 900	32 000	33 000	13.39	3.13

## Burkina Faso

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gold	(kg)	1 500	886	880	212	200	-86.67	-5.66
Phosphate	(t)	180	170	160	1 125	1 200	566.67	6.67

## Burundi

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gold	(kg)	30	28	26	25	23	-23.33	-8.00
Kaolin	(t)	3 200	3 000	2 800	2 600	2 500	-21.88	-3.85

## Cambodia

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Phosphate	(t)	1 000	1 000	1 100	1 000	950	-5.00	-5.00
Salt	(t)	40 000	50 000	50 000	45 000	44 000	10.00	-2.22

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



## Cameroon

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Aluminium	(t)	82 000	100 000	102 000	104 000	105 000	28.05	0.96
Oil	(t)	3 800 000	3 339 750	3 100 000	3 000 000	2 900 000	-23.68	-3.33

## Canada

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	23 774 000	20 734 000	21 781 000	16 458 410	18 891 090	-20.54	14.78
Cobalt	(t)	2 324	2 015	2 013	2 048	2 027	-12.78	-1.03
Molybdenum	(t)	7 563	6 250	6 883	8 540	7 521	-0.56	-11.93
Nickel	(t)	200 908	176 749	181 027	184 000	178 000	-11.40	-3.26
Tantalum-Col.	(t)	2 200	2 379	2 239	2 200	3 400	54.55	54.55
Titanium	(t)	630 000	620 000	600 000	550 000	530 000	-15.87	-3.64
Aluminium	(t)	2 374 100	2 389 000	2 373 000	2 583 000	2 709 000	14.11	4.88
Antimony	(t)	554	357	364	234	143	-74.19	-38.89
Bismuth	(t)	217	217	202	258	189	-12.90	-26.74
Cadmium	(t)	1 323	1 212	1 095	1 058	896	-32.28	-15.31
Copper	(t)	688 576	581 583	623 451	611 000	577 000	-16.20	-5.56
Lead	(t)	151 708	155 369	143 049	149 000	99 000	-34.74	-33.56
Lithium	(t)	700	720	730	740	750	7.14	1.35
Tellurium	(t)	57	64	80	60	45	-21.05	-25.00
Zinc	(t)	1 064 500	963 321	935 686	1 010 000	892 000	-16.20	-11.68
Gold	(kg)	166 089	157 617	153 781	157 854	147 866	-10.97	-6.33
Platinum	(kg)	14 522	13 872	15 439	18 154	21 829	50.32	20.24
Silver	(kg)	1 115 000	1 174 000	1 161 000	1 224 000	1 344 000	20.54	9.80
Asbestos	(t)	309 000	337 000	320 000	294 000	241 000	-22.01	-18.03
Baryte	(t)	80 000	67 000	20 000	15 000	14 000	-82.50	-6.67
Diam. (Gem)	(c)	203 000	2 429 000	2 435 000	3 716 000	4 984 000	2355.17	34.12
Diatomite	(t)	3 500	3 300	3 000	2 800	2 600	-25.71	-7.14
Graphite	(t)	22 000	21 000	15 000	13 000	11 000	-50.00	-15.38
Gypsum	(t)	8 095 000	9 345 000	8 548 000	8 119 000	8 847 000	9.29	8.97
Magnesite	(t)	200 000	200 000	270 000	300 000	200 000	0.00	-33.33
Potash	(t)	8 969 000	8 475 000	9 107 000	8 184 000	8 189 000	-8.70	0.06
Salt	(t)	13 192 000	12 686 000	11 935 000	13 548 000	12 313 000	-6.66	-9.12
Sulfur	(t)	8 410 000	8 656 000	8 515 000	8 080 000	7 787 000	-7.41	-3.63
Talc	(t)	74 000	79 000	86 000	90 000	92 000	24.32	2.22

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Hard-Coal	(t)	63 590 000	62 310 000	60 149 000	70 361 000	66 822 000	5.08	-5.03
Lignite	(t)	11 790 000	10 000 000	9 000 000	10 000 000	9 500 000	-19.42	-5.00
Nat.Gas (Mio m3)		161 000	162 219	166 078	171 966	171 348	6.43	-0.36
Oil	(t)	128 769 000	122 247 000	131 631 000	131 000 000	137 000 000	6.39	4.58
Uranium	(t)	11 773	10 157	9 919	15 329	15 396	30.77	0.44

## Cape Verde

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Salt	(t)	900	850	840	830	820	-8.89	-1.20

## Central African Republic

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gold	(kg)	100	90	85	83	82	-18.00	-1.20
Diam. (Gem)	(c)	425 000	382 500	382 500	521 900	552 500	30.00	5.86
Diam. (Ind)	(c)	75 000	67 500	67 500	92 100	97 500	30.00	5.86

## Chile

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	5 681 224	5 090 450	5 324 629	5 500 000	4 434 090	-21.95	-19.38
Manganese	(t)	14 345	12 152	12 515	12 700	13 000	-9.38	2.36
Molybdenum	(t)	25 297	27 309	33 187	33 000	29 000	14.64	-12.12
Arsenic	(t)	11 355	12 000	12 500	12 700	12 800	12.73	0.79
Copper	(t)	3 702 000	4 010 000	4 602 000	4 766 000	4 620 000	24.80	-3.06
Lead	(t)	337	608	784	1 000	3 000	790.21	200.00
Lithium	(t)	11 473	12 222	14 502	12 533	14 150	23.33	12.90
Zinc	(t)	15 943	15 486	15 073	15 840	17 280	8.39	9.09
Gold	(kg)	64 800	69 900	54 173	43 000	39 000	-39.81	-9.30
Silver	(kg)	1 123 500	1 133 500	1 242 194	1 349 000	1 210 000	7.70	-10.30
Baryte	(t)	1 430	823	1 026	1 200	1 400	-2.10	16.67
Bentonite	(t)	721	1 104	1 314	1 500	1 700	135.78	13.33
Boron	(t)	280 140	324 691	350 000	370 000	390 000	39.22	5.41
Diatomite	(t)	14 868	14 477	13 384	14 300	14 000	-5.84	-2.10
Feldspar	(t)	1 460	1 346	2 311	2 500	2 700	84.93	8.00

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Gypsum	(t)	780 676	886 294	375 847	300 000	290 000	-62.85	-3.33
Kaolin	(t)	11 530	4 361	6 445	7 000	7 200	-37.55	2.86
Phosphate	(t)	3 917	2 167	1 573	1 300	1 100	-71.92	-15.38
Potash	(t)	151 200	115 000	105 000	100 000	90 000	-40.48	-10.00
Salt	(t)	6 207 266	6 800 000	6 900 000	7 000 000	7 200 000	15.99	2.86
Talc	(t)	3 772	2 231	2 421	2 500	2 600	-31.07	4.00
Hard-Coal	(t)	1 250 000	1 015 208	1 012 578	1 000 000	1 000 000	-20.00	0.00
Nat.Gas (Mio m3)		3 218	2 957	2 702	2 600	2 500	-22.31	-3.85
Oil	(t)	468 693	367 846	325 849	300 000	500 000	6.68	66.67

#### Remarks:

Boron ore: Ulexite

## China

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	67 200 000	67 200 000	71 648 000	75 000 000	54 400 000	-19.05	-27.47
Chromium	(t)	70 000	65 000	63 000	62 000	60 000	-14.29	-3.23
Cobalt	(t)	600	800	850	1 200	1 842	207.00	53.50
Manganese	(t)	2 000 000	2 400 000	2 800 000	3 000 000	3 500 000	75.00	16.67
Molybdenum	(t)	37 000	44 500	48 000	52 663	54 534	47.39	3.55
Nickel	(t)	48 100	44 000	51 000	51 500	57 000	18.50	10.68
Titanium	(t)	110 000	150 000	160 000	170 000	175 000	59.09	2.94
Tungsten	(t)	24 000	32 000	44 000	56 000	65 000	170.83	16.07
Vanadium	(t)	7 500	7 800	8 000	8 500	9 000	20.00	5.88
Aluminium	(t)	2 435 300	1 620 000	2 830 000	3 424 600	4 400 000	80.68	28.48
Antimony	(t)	80 000	83 000	90 000	92 400	62 400	-22.00	-32.47
Arsenic	(t)	17 000	17 500	18 000	19 000	19 500	14.71	2.63
Bauxite	(t)	8 500 000	8 500 000	9 000 000	7 900 000	7 500 000	-11.76	-5.06
Bismuth	(t)	650	2 000	2 200	2 500	2 800	330.77	12.00
Cadmium	(t)	1 900	2 313	2 602	3 029	2 368	24.63	-21.82
Copper	(t)	476 000	480 000	500 000	564 700	554 000	16.39	-1.89
Gallium	(t)	6	7	8	15	18	200.00	20.00
Germanium	(t)	10	11	12	13	14	40.00	7.69
Lead	(t)	757 000	859 000	569 600	599 200	640 000	-15.46	6.81
Lithium	(t)	730	710	700	700	690	-5.48	-1.43
Mercury	(t)	410	196	200	200	495	20.73	147.50
Rare Earths	(t)	50 000	70 000	73 000	75 000	75 000	50.00	0.00
Tin	(t)	70 000	92 000	111 000	91 600	77 300	10.43	-15.61
Zinc	(t)	1 209 800	1 200 000	1 350 000	1 572 100	2 080 000	71.93	32.31
Gold	(kg)	161 000	156 000	162 000	216 800	189 800	17.89	-12.45
Silver	(kg)	1 350 000	1 375 000	1 500 000	1 800 000	1 390 000	2.96	-22.78

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Asbestos	(t)	250 000	300 000	260 000	300 000	360 000	44.00	20.00
Baryte	(t)	3 200 000	2 800 000	3 200 000	3 800 000	4 000 000	25.00	5.26
Boron	(t)	65 000	70 000	75 000	78 000	80 000	23.08	2.56
Diam. (Gem)	(c)	36 000	34 000	32 000	40 000	76 000	111.11	90.00
Diam. (Ind)	(c)	144 000	136 000	128 000	160 000	304 000	111.11	90.00
Fluorspar	(t)	2 550 000	2 550 000	2 200 000	2 200 000	2 150 000	-15.69	-2.27
Graphite	(t)	300 000	250 000	240 000	250 000	270 000	-10.00	8.00
Gypsum	(t)	7 900 000	8 100 000	6 800 000	6 800 000	6 800 000	-13.92	0.00
Kaolin	(t)	1 000 000	1 300 000	1 900 000	2 000 000	2 100 000	110.00	5.00
Magnesite	(t)	2 400 000	2 200 000	2 500 000	3 500 000	3 600 000	50.00	2.86
Phosphate	(t)	30 980 000	30 754 000	31 000 000	33 970 000	34 930 000	12.75	2.83
Potash	(t)	150 000	195 000	200 000	320 000	420 000	180.00	31.25
Salt	(t)	22 420 000	28 120 000	31 280 000	31 300 000	35 000 000	56.11	11.82
Sulfur	(t)	6 000 000	5 000 000	5 000 000	6 000 000	6 500 000	8.33	8.33
Talc	(t)	3 400 000	3 500 000	3 370 000	2 000 000	1 900 000	-44.12	-5.00
Zircon	(t)	13 000	12 000	14 000	15 000	16 000	23.08	6.67
Hard-Coal	(t)	1 285 500 000	1 050 000 000	999 170 000	1 089 700 000	1 393 000 000	8.36	27.83
Lignite	(t)	50 000 000	45 000 000	40 000 000	47 000 000	50 000 000	0.00	6.38
Nat.Gas (Mio m3)		23 000	25 100	27 700	27 000	28 000	21.74	3.70
Oil	(t)	162 600 000	160 600 000	162 600 000	165 200 000	167 000 000	2.71	1.09
Uranium	(t)	590	590	589	772	860	45.76	11.40

## Christmas Island

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Phosphate	(t)	207 120	218 560	180 800	196 800	187 520	-9.46	-4.72

## Colombia

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	315 714	352 720	332 400	382 200	400 864	26.97	4.88
Manganese	(t)	120	0	0	0	0	-100.00	.
Nickel	(t)	28 140	28 342	27 750	38 457	20 449	-27.33	-46.83
Bauxite	(t)	1 000	1 000	900	700	600	-40.00	-14.29
Copper	(t)	2 693	3 173	2 850	3 027	2 556	-5.09	-15.56
Lead	(t)	514	514	500	200	200	-61.09	0.00
Gold	(kg)	18 811	34 599	37 018	21 813	20 799	10.57	-4.65
Platinum	(kg)	411	488	340	674	661	60.83	-1.93
Silver	(kg)	5 218	7 594	7 970	7 242	6 986	33.88	-3.53

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Asbestos	(t)	14 000	14 200	14 500	14 700	8 000	-42.86	-45.58
Baryte	(t)	1 500	1 600	1 700	1 800	1 700	13.33	-5.56
Bentonite	(t)	9 000	9 000	9 200	9 400	9 500	5.56	1.06
Feldspar	(t)	68 000	69 000	70 000	72 000	72 500	6.62	0.69
Fluorspar	(t)	900	950	980	1 000	900	0.00	-10.00
Gypsum	(t)	700 000	750 000	780 000	800 000	640 000	-8.57	-20.00
Kaolin	(t)	700 000	680 000	660 000	650 000	500 000	-28.57	-23.08
Magnesite	(t)	7 500	7 300	7 100	7 000	6 900	-8.00	-1.43
Phosphate	(t)	15 000	15 500	9 000	6 200	8 400	-44.00	35.48
Salt	(t)	496 103	461 366	459 878	568 437	527 337	6.30	-7.23
Sulfur	(t)	55 000	55 500	91 966	69 344	60 162	9.39	-13.24
Talc	(t)	15 500	15 700	15 800	16 000	16 200	4.52	1.25
Hard-Coal	(t)	34 000 000	32 754 000	38 142 000	43 900 000	39 532 000	16.27	-9.95
Nat.Gas (Mio m3)		6 000	5 140	5 000	4 800	4 500	-25.00	-6.25
Oil	(t)	38 654 660	42 551 700	36 200 000	33 000 000	30 155 124	-21.99	-8.62

## Congo

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Oil	(t)	12 000 000	12 519 500	12 700 000	12 800 000	13 000 000	8.33	1.56

## Congo,D.R.

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Cobalt	(t)	0	2 308	3 570	3 875	2 209	.	-42.99
Tantalum-Col.	(t)	0	6	5	4	4	.	0.00
Copper	(t)	0	29 633	27 197	20 621	19 495	.	-5.46
Rare Earths	(t)	0	2	1	0	0	.	.
Tin	(t)	0	0	0	0	700	.	.
Zinc	(t)	0	1 200	1 100	800	0	.	-100.00
Gold	(kg)	0	207	112	50	50	.	0.00
Diam. (Gem)	(c)	0	4 400 000	3 300 000	3 900 000	4 340 000	.	11.28
Diam. (Ind)	(c)	0	17 600 000	13 200 000	15 709 600	17 360 000	.	10.51
Sulfur	(t)	0	4 500	4 300	4 000	3 900	.	-2.50
Oil	(t)	0	1 310 350	1 350 000	1 400 000	1 450 000	.	3.57

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Costa Rica

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gold	(kg)	635	380	350	320	310	-51.18	-3.13
Diatomite	(t)	10 500	10 300	10 000	11 800	11 500	9.52	-2.54
Salt	(t)	18 000	17 000	16 500	2 900	3 000	-83.33	3.45

## Cote d'Ivoire

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gold	(kg)	1 400	2 030	2 054	2 060	2 100	50.00	1.94
Diam. (Gem)	(c)	14 400	12 000	12 000	16 000	16 000	11.11	0.00
Diam. (Ind)	(c)	3 600	3 000	3 000	4 000	4 000	11.11	0.00

## Croatia

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Bauxite	(t)	5 000	6 800	7 000	9 800	26 521	430.42	170.62
Bentonite	(t)	3 500	5 200	3 500	3 100	1 000	-71.43	-67.74
Gypsum	(t)	105 000	167 000	130 000	199 100	206 505	96.67	3.72
Salt	(t)	24 000	18 673	22 000	20 611	19 000	-20.83	-7.82
Hard-Coal	(t)	51 000	14 600	0	0	0	-100.00	.
Nat. Gas (Mio m3)		1 573	1 675	1 888	2 852	2 880	83.09	0.98
Oil	(t)	1 389 408	1 186 923	1 150 000	1 085 320	906 953	-34.72	-16.43

### Remarks:

2000 : Last coal mine closed

## Cuba

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Chromium	(t)	17 000	18 000	18 500	18 711	18 800	10.59	0.48
Cobalt	(t)	1 500	2 996	3 427	3 910	4 000	166.67	2.30
Nickel	(t)	67 700	68 000	68 500	72 600	73 000	7.83	0.55

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Copper	(t)	1 000	1 100	1 200	1 000	900	-10.00	-10.00
Gold	(kg)	300	600	900	1 000	900	200.00	-10.00
Feldspar	(t)	16 000	16 500	16 700	16 900	17 000	6.25	0.59
Kaolin	(t)	13 000	13 500	13 600	13 700	13 900	6.92	1.46
Salt	(t)	175 000	177 000	179 000	180 000	190 000	8.57	5.56
Nat.Gas (Mio m3)		40	41	40	39	38	-5.00	-2.56
Oil	(t)	1 747 310	1 408 900	1 200 000	1 100 000	1 200 000	-31.32	9.09

## Cyprus

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Copper	(t)	5 000	5 004	5 200	5 500	3 695	-26.10	-32.82
Bentonite	(t)	170 000	140 182	126 300	115 460	128 000	-24.71	10.86
Gypsum	(t)	350 000	181 446	138 100	144 000	182 000	-48.00	26.39

## Czech Republic

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Bentonite	(t)	125 000	160 000	280 000	224 000	174 000	39.20	-22.32
Diatomite	(t)	35 000	37 000	34 000	83 000	28 000	-20.00	-66.27
Feldspar	(t)	266 000	244 000	337 000	373 000	401 000	50.75	7.51
Graphite	(t)	28 000	22 000	23 000	17 000	16 000	-42.86	-5.88
Gypsum	(t)	222 000	136 000	82 000	24 000	108 000	-51.35	350.00
Kaolin	(t)	594 555	1 010 685	1 086 735	1 080 890	803 000	35.06	-25.71
Hard-Coal	(t)	15 863 000	14 419 000	14 855 000	15 138 000	14 097 000	-11.13	-6.88
Lignite	(t)	48 619 000	41 524 000	46 280 000	47 960 000	49 335 000	1.47	2.87
Nat.Gas (Mio m3)		137	143	118	101	91	-33.58	-9.90
Oil	(t)	172 000	176 000	168 000	178 000	2 530 000	1370.93	1321.35
Uranium	(t)	150	152	587	538	383	155.33	-28.81

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## DPR Korea

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	3 500 000	3 300 000	3 200 000	3 000 000	2 900 000	-17.14	-3.33
Tungsten	(t)	400	350	330	300	280	-30.00	-6.67
Cadmium	(t)	204	210	215	200	180	-11.76	-10.00
Copper	(t)	12 000	13 000	14 000	12 000	10 000	-16.67	-16.67
Lead	(t)	25 000	20 000	22 000	26 000	28 000	12.00	7.69
Rare Earths	(t)	700	600	500	400	380	-45.71	-5.00
Zinc	(t)	48 000	45 000	34 000	28 000	28 000	-41.67	0.00
Gold	(kg)	3 500	3 200	3 100	2 500	2 300	-34.29	-8.00
Silver	(kg)	80 000	50 000	50 000	50 000	48 000	-40.00	-4.00
Baryte	(t)	100 000	120 000	140 000	150 000	160 000	60.00	6.67
Fluorspar	(t)	30 000	28 000	26 000	27 000	28 000	-6.67	3.70
Graphite	(t)	28 000	25 000	22 000	20 000	19 000	-32.14	-5.00
Magnesite	(t)	800 000	800 000	650 000	650 000	450 000	-43.75	-30.77
Phosphate	(t)	155 000	140 000	120 000	115 000	100 000	-35.48	-13.04
Salt	(t)	450 000	430 000	410 000	400 000	390 000	-13.33	-2.50
Sulfur	(t)	120 000	110 000	100 000	90 000	80 000	-33.33	-11.11
Talc	(t)	100 000	90 000	85 000	80 000	75 000	-25.00	-6.25
Hard-Coal	(t)	66 500 000	67 200 000	67 200 000	67 500 000	67 800 000	1.95	0.44
Lignite	(t)	15 000 000	20 000 000	18 000 000	17 000 000	16 800 000	12.00	-1.18

## Denmark

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Salt	(t)	455 295	548 000	580 000	590 000	570 000	25.19	-3.39
Nat.Gas (Mio m3)		6 630	7 800	7 900	8 400	8 300	25.19	-1.19
Oil	(t)	13 830 000	14 900 000	17 794 000	16 900 000	17 700 000	27.98	4.73

## Dominican Republic

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Nickel	(t)	25 200	25 000	27 850	21 779	21 000	-16.67	-3.58
Gold	(kg)	1 450	660	600	550	540	-62.76	-1.82
Silver	(kg)	7 530	3 190	3 000	2 500	2 400	-68.13	-4.00

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



Gypsum	(t)	87 000	88 000	90 000	92 000	95 000	9.20	3.26
Salt	(t)	8 500	8 300	8 200	8 000	7 800	-8.24	-2.50

**Remarks:**

Nickel refers to Ni content in Ferronickel.

## Dubai (UAE)

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Aluminium	(t)	250 000	250 000	300 000	320 000	330 000	32.00	3.13
Nat. Gas (Mio m3)		2 400	2 000	2 200	3 627	3 720	55.00	2.56
Oil	(t)	18 587 625	15 673 000	20 454 875	19 150 855	17 789 800	-4.29	-7.11

## Ecuador

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gold	(kg)	1 727	1 600	2 871	2 367	2 408	39.43	1.73
Baryte	(t)	0	2 532	1 476	0	0	.	.
Feldspar	(t)	69 318	33 142	47 041	60 688	31 254	-54.91	-48.50
Gypsum	(t)	1 672	1 456	1 680	0	4 730	182.89	.
Kaolin	(t)	5 600	20 652	20 652	703	6 515	16.34	826.74
Sulfur	(t)	12 000	11 500	11 300	11 000	10 800	-10.00	-1.82
Nat. Gas (Mio m3)		3 000	3 320	3 200	3 400	3 200	6.67	-5.88
Oil	(t)	19 300 000	15 647 550	20 200 000	22 000 000	20 700 000	7.25	-5.91

## Egypt

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	1 350 639	1 500 000	1 451 545	829 362	800 000	-40.77	-3.54
Manganese	(t)	1 600	1 800	2 000	1 900	1 800	12.50	-5.26
Titanium	(t)	20 410	22 000	24 000	23 000	22 000	7.79	-4.35
Aluminium	(t)	187 200	190 000	162 617	186 479	190 000	1.50	1.89
Asbestos	(t)	2 000	2 100	1 154	365	350	-82.50	-4.11
Baryte	(t)	0	0	0	101	200	.	98.02
Bentonite	(t)	1 545	1 500	1 490	0	0	-100.00	.
Feldspar	(t)	32 565	31 000	12 178	12 304	12 400	-61.92	0.78

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Fluorspar	(t)	140	120	143	502	550	292.86	9.56
Gypsum	(t)	2 423 188	2 000 000	2 229 324	2 200 000	1 900 000	-21.59	-13.64
Kaolin	(t)	285 497	260 000	225 943	115 135	100 000	-64.97	-13.15
Phosphate	(t)	269 989	259 590	330 258	310 733	395 250	46.39	27.20
Salt	(t)	2 487 645	1 900 000	1 353 595	1 341 000	1 340 000	-46.13	-0.07
Sulfur	(t)	6 300	6 000	5 800	5 500	5 200	-17.46	-5.45
Talc	(t)	3 972	4 200	3 343	3 100	3 000	-24.47	-3.23
Vermiculite	(t)	420	400	1 397	380	300	-28.57	-21.05
Hard-Coal	(t)	1 400	1 500	1 800	1 900	2 000	42.86	5.26
Nat.Gas (Mio m3)		14 200	14 100	16 000	19 605	19 000	33.80	-3.09
Oil	(t)	43 900 000	40 160 950	41 200 000	36 095 000	32 964 172	-24.91	-8.67

## El Salvador

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Salt	(t)	20 500	20 300	20 000	19 800	21 554	5.14	8.86

### Remarks:

Marine salt only

## Equatorial Guinea

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Oil	(t)	203 000	150 000	130 000	120 000	110 000	-45.81	-8.33

## Eritrea

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gold	(kg)	573	530	520	270	250	-56.37	-7.41
Gypsum	(t)	564	960	980	1 000	1 100	95.04	10.00
Kaolin	(t)	1 587	1 256	1 200	1 150	1 100	-30.69	-4.35
Salt	(t)	114 136	100 000	95 000	90 000	89 000	-22.02	-1.11

### Remarks:

Gold: artisanal production

## Estonia

	1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Oil-Shale (t)	12 464 000	11 980 000	11 993 000	12 000 000	10 513 000	-15.65	-12.39

## Ethiopia

	1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Tantalum-Col. (t)	50	65	70	55	74	48.00	34.55
Gold (kg)	3 712	2 330	2 200	4 640	3 400	-8.41	-26.72
Diatomite (t)	700	600	650	670	690	-1.43	2.99
Gypsum (t)	33 000	37 798	38 000	38 500	38 800	17.58	0.78
Kaolin (t)	2 400	1 654	2 000	3 534	1 400	-41.67	-60.38
Salt (t)	90 000	85 000	83 000	80 000	78 000	-13.33	-2.50

### Remarks:

Fiscal year July to June next.

## Fiji

	1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gold (kg)	3 501	3 881	3 841	4 907	3 971	13.42	-19.07
Silver (kg)	1 804	2 159	1 474	2 109	1 972	9.31	-6.50

## Finland

	1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Chromium (t)	249 000	247 149	192 070	287 563	283 000	13.65	-1.59
Nickel (t)	1 789	1 021	1 916	2 027	2 893	61.71	42.72
Cadmium (t)	520	700	680	600	400	-23.08	-33.33
Copper (t)	9 217	10 517	10 810	11 555	12 900	39.96	11.64
Mercury (t)	54	55	77	71	51	-5.56	-28.17
Zinc (t)	32 879	19 751	17 500	20 131	35 000	6.45	73.86
Gold (kg)	4 980	3 159	5 220	1 495	4 700	-5.62	214.38
Silver (kg)	29 700	22 000	15 000	8 389	15 000	-49.49	78.81

Feldspar	(t)	42 740	42 434	38 609	35 995	40 000	-6.41	11.13
Phosphate	(t)	700 000	734 068	750 000	767 020	800 000	14.29	4.30
Sulfur	(t)	389 920	415 802	414 371	303 808	300 000	-23.06	-1.25
Talc	(t)	498 152	508 770	501 853	476 620	477 000	-4.25	0.08

## France

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Aluminium	(t)	423 600	694 000	701 000	713 000	714 000	68.56	0.14
Bauxite	(t)	80 000	75 000	73 000	90 000	95 000	18.75	5.56
Cadmium	(t)	223	200	180	176	170	-23.77	-3.41
Gold	(kg)	3 800	3 000	2 800	1 700	1 300	-65.79	-23.53
Silver	(kg)	1 000	800	600	600	590	-41.00	-1.67
Baryte	(t)	75 000	73 000	70 000	69 000	65 000	-13.33	-5.80
Diatomite	(t)	75 000	73 000	70 000	70 000	68 000	-9.33	-2.86
Feldspar	(t)	650 000	670 000	680 000	690 000	700 000	7.69	1.45
Fluorspar	(t)	110 000	100 000	80 000	70 000	60 000	-45.45	-14.29
Gypsum	(t)	4 300 000	4 200 000	4 000 000	3 900 000	3 700 000	-13.95	-5.13
Kaolin	(t)	330 000	320 000	325 000	330 000	335 000	1.52	1.52
Potash	(t)	450 000	350 000	340 000	257 000	145 000	-67.78	-43.58
Salt	(t)	5 900 000	5 900 000	6 200 000	6 096 000	4 205 000	-28.73	-31.02
Sulfur	(t)	820 000	820 000	800 000	840 000	795 000	-3.05	-5.36
Talc	(t)	360 000	370 000	380 000	367 000	417 000	15.83	13.62
Hard-Coal	(t)	5 300 000	4 033 000	3 166 000	2 700 000	2 140 000	-59.62	-20.74
Lignite	(t)	800 000	600 000	500 000	450 000	400 000	-50.00	-11.11
Nat.Gas (Mio m3)		1 800	1 600	1 600	1 500	1 400	-22.22	-6.67
Oil	(t)	1 700 000	1 500 000	1 900 000	1 700 000	1 600 000	-5.88	-5.88
Oil-Shale	(t)	20 000	18 000	16 000	15 000	14 000	-30.00	-6.67
Uranium	(t)	554	495	354	184	23	-95.85	-87.50

### Remarks:

Bauxit recovered from old Mines.

## French Guiana

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gold	(kg)	3 100	3 200	3 300	3 400	3 500	12.90	2.94

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Gabon

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Manganese	(t)	990 080	1 087 840	1 100 000	1 200 000	1 300 000	31.30	8.33
Gold	(kg)	80	70	65	63	60	-25.00	-4.76
Nat. Gas	(Mio m3)	83	100	102	103	104	25.30	0.97
Oil	(t)	17 600 000	17 800 000	16 400 000	15 000 000	14 700 000	-16.48	-2.00
Uranium	(t)	861	862	863	800	820	-4.76	2.50

## Georgia

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Manganese	(t)	16 000	14 200	16 000	18 000	24 300	51.88	35.00
Copper	(t)	855	699	600	700	680	-20.47	-2.86
Zinc	(t)	1 000	900	880	1 000	1 100	10.00	10.00
Gold	(kg)	800	1 190	1 200	1 600	1 650	106.25	3.13
Hard-Coal	(t)	14 700	12 000	7 300	7 000	6 000	-59.18	-14.29
Oil	(t)	100 000	90 000	100 000	60 000	73 900	-26.10	23.17

## Germany, Federal Republic

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	84 680	114 000	73 844	65 120	58 711	-30.67	-9.84
Aluminium	(t)	612 380	633 803	643 545	651 600	655 000	6.96	0.52
Bauxite	(t)	270	306	300	0	0	-100.00	.
Baryte	(t)	123 272	118 489	111 790	108 111	100 993	-18.07	-6.58
Bentonite	(t)	508 738	476 580	464 616	447 913	495 310	-2.64	10.58
Feldspar	(t)	469 928	500 946	476 895	470 000	480 000	2.14	2.13
Fluorspar	(t)	30 641	28 260	31 124	30 381	34 429	12.36	13.32
Graphite	(t)	1 200	3 891	3 414	3 400	3 312	176.00	-2.59
Gypsum	(t)	2 499 169	3 032 115	2 601 086	2 500 000	1 800 000	-27.98	-28.00
Kaolin	(t)	3 360 563	3 542 945	3 655 110	3 779 397	3 681 953	9.56	-2.58
Potash	(t)	3 580 350	3 543 360	3 407 467	3 548 665	3 471 763	-3.03	-2.17
Salt	(t)	14 139 000	16 703 000	15 054 000	14 335 000	14 695 000	3.93	2.51
Sulfur	(t)	1 089 771	1 134 934	1 099 688	1 000 000	1 093 091	0.30	9.31
Talc	(t)	15 473	14 263	17 377	18 000	18 300	18.27	1.67

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Hard-Coal	(t)	41 639 952	39 531 000	37 376 000	32 500 000	26 363 000	-36.69	-18.88
Lignite	(t)	166 035 061	161 282 000	167 691 000	175 400 000	181 779 000	9.48	3.64
Nat.Gas (Mio m3)		20 420	23 531	21 576	17 200	21 424	4.92	24.56
Oil	(t)	2 884 110	2 740 000	3 120 000	3 400 000	3 768 054	30.65	10.83
Oil-Shale	(t)	330 886	346 815	339 396	340 000	366 841	10.87	7.89
Uranium	(t)	35	39	33	27	26	-25.71	-3.70

## Ghana

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Manganese	(t)	153 669	244 600	358 136	325 332	454 331	195.66	39.65
Aluminium	(t)	56 100	55 000	54 000	52 000	50 000	-10.87	-3.85
Bauxite	(t)	341 121	355 263	503 825	678 446	683 653	100.41	0.77
Gold	(kg)	74 315	81 496	76 522	72 902	69 537	-6.43	-4.62
Silver	(kg)	600	550	520	520	500	-16.67	-3.85
Diam. (Gem)	(c)	161 148	175 602	137 310	140 000	192 698	19.58	37.64
Diam. (Ind)	(c)	644 594	702 409	549 241	560 000	770 794	19.58	37.64
Salt	(t)	30 000	25 000	24 000	22 000	20 000	-33.33	-9.09

## Greece

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Chromium	(t)	1 950	1 000	800	780	770	-60.51	-1.28
Manganese	(t)	1 898	1 000	330	90	0	-100.00	-100.00
Nickel	(t)	15 000	13 462	17 126	17 675	19 229	28.19	8.79
Aluminium	(t)	156 902	170 301	167 507	163 581	165 262	5.33	1.03
Bauxite	(t)	1 714 023	1 882 505	1 965 561	2 047 255	2 468 865	44.04	20.59
Lead	(t)	18 792	20 165	15 553	26 015	28 036	49.19	7.77
Zinc	(t)	17 604	18 059	16 835	17 545	18 551	5.38	5.73
Silver	(kg)	64 800	65 000	65 200	65 400	66 000	1.85	0.92
Asbestos	(t)	35 068	35 068	0	0	0	-100.00	.
Baryte	(t)	643	10 000	200	70	10	-98.44	-85.71
Bentonite	(t)	1 148 408	1 099 657	1 148 694	1 258 872	1 056 598	-7.99	-16.07
Feldspar	(t)	55 700	52 900	66 300	94 500	92 500	66.07	-2.12
Gypsum	(t)	554 998	686 416	801 025	808 890	850 786	53.30	5.18

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Kaolin	(t)	46 388	64 931	54 226	60 075	57 885	24.78	-3.65
Magnesite	(t)	698 049	495 144	492 780	483 296	558 057	-20.05	15.47
Perlite	(t)	658 332	777 898	817 825	840 660	838 997	27.44	-0.20
Salt	(t)	208 000	176 867	244 709	208 776	126 118	-39.37	-39.59
Sulfur	(t)	13 000	14 500	8 000	5 000	0	-100.00	-100.00
Talc	(t)	0	2 860	2 300	2 073	670	.	-67.68
Lignite	(t)	60 910 433	61 861 049	64 026 457	66 730 897	71 074 009	16.69	6.51
Nat.Gas (Mio m3)		33	30	36	32	36	9.09	12.50
Oil	(t)	293 000	152 540	256 000	188 109	186 661	-36.29	-0.77

## Guatemala

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	2 143	4 214	3 251	3 000	3 900	81.99	30.00
Antimony	(t)	750	400	60	0	0	-100.00	.
Baryte	(t)	1 300	900	131	100	80	-93.85	-20.00
Bentonite	(t)	2 278	4 300	3 317	3 200	3 000	31.69	-6.25
Feldspar	(t)	17 248	17 072	17 804	18 000	18 200	5.52	1.11
Gypsum	(t)	100 000	170 000	212 109	230 000	250 000	150.00	8.70
Kaolin	(t)	115	60	77	75	70	-39.13	-6.67
Salt	(t)	73 000	72 000	74 000	75 000	76 000	4.11	1.33
Talc	(t)	948	960	1 000	1 100	1 200	26.58	9.09
Nat.Gas (Mio m3)		5	7	8	7	6	20.00	-14.29
Oil	(t)	850 000	1 262 900	1 500 000	1 147 487	1 100 000	29.41	-4.14

## Guinea

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Bauxite	(t)	17 000 000	17 200 000	18 072 000	17 312 000	17 000 000	0.00	-1.80
Gold	(kg)	5 000	4 070	13 105	16 263	17 000	240.00	4.53
Diam. (Gem)	(c)	225 000	288 736	276 449	300 000	337 500	50.00	12.50
Diam. (Ind)	(c)	75 000	96 245	92 149	100 000	112 500	50.00	12.50

## Guyana

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Bauxite	(t)	2 606 000	2 639 000	2 687 000	2 011 000	1 568 099	-39.83	-22.02
Gold	(kg)	14 863	14 450	13 754	14 412	13 580	-8.63	-5.77
Diam. (Gem)	(c)	10 044	13 620	25 538	53 839	74 530	642.04	38.43
Diam. (Ind)	(c)	23 436	31 780	59 589	125 624	173 906	642.05	38.43

## Honduras

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Cadmium	(t)	35	34	34	33	32	-8.57	-3.03
Copper	(t)	800	700	650	640	630	-21.25	-1.56
Lead	(t)	6 800	8 298	10 000	11 000	11 200	64.71	1.82
Zinc	(t)	40 408	35 647	35 000	34 500	34 200	-15.36	-0.87
Gold	(kg)	87	70	65	65	60	-31.03	-7.69
Silver	(kg)	48 197	37 766	37 000	36 000	35 000	-27.38	-2.78
Gypsum	(t)	23 000	22 000	21 500	21 300	21 000	-8.70	-1.41
Salt	(t)	25 000	27 991	29 000	29 000	29 200	16.80	0.69

## Hungary

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Manganese	(t)	8 700	11 060	11 000	11 600	11 400	31.03	-1.72
Aluminium	(t)	40 700	34 000	33 900	34 600	35 300	-13.27	2.02
Bauxite	(t)	460 600	473 900	473 900	330 000	294 000	-36.17	-10.91
Gallium	(t)	3	5	5	5	5	66.67	0.00
Bentonite	(t)	26 700	9 301	5 200	5 200	4 000	-85.02	-23.08
Feldspar	(t)	46 000	47 000	47 500	46 000	45 000	-2.17	-2.17
Gypsum	(t)	185 000	203 000	251 000	231 000	108 000	-41.62	-53.25
Kaolin	(t)	9 500	3 000	2 600	1 000	1 000	-89.47	0.00
Perlite	(t)	148 500	141 000	151 000	89 000	72 000	-51.52	-19.10
Talc	(t)	1 400	1 300	1 200	1 000	900	-35.71	-10.00

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



Hard-Coal	(t)	877 028	740 000	744 000	640 000	660 000	-24.75	3.13
Lignite	(t)	14 191 400	14 180 000	13 531 000	13 440 000	12 100 000	-14.74	-9.97
Nat.Gas (Mio m3)		3 958	3 560	3 427	3 260	3 100	-21.68	-4.91
Oil	(t)	1 241 400	1 243 000	1 136 000	1 060 000	1 050 000	-15.42	-0.94

**Remarks:**

1998: Uranium production:118 kg U3O8; Kaolin including illitic clay

## Iceland

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Aluminium	(t)	183 360	221 433	225 721	242 526	263 528	43.72	8.66
Diatomite	(t)	25 734	28 482	27 614	30 434	26 494	2.95	-12.95

## India

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	45 223 000	45 560 000	47 570 000	48 240 000	70 350 000	55.56	45.83
Chromium	(t)	613 994	600 000	580 000	560 000	550 000	-10.42	-1.79
Manganese	(t)	583 422	550 000	500 000	480 000	460 000	-21.15	-4.17
Titanium	(t)	242 322	240 000	240 000	220 000	280 000	15.55	27.27
Aluminium	(t)	543 451	609 500	665 000	625 000	628 000	15.56	0.48
Bauxite	(t)	6 451 901	5 700 000	6 000 000	6 100 000	6 150 000	-4.68	0.82
Cadmium	(t)	231	220	225	250	260	12.55	4.00
Copper	(t)	48 249	50 032	54 034	57 240	78 864	63.45	37.78
Lead	(t)	37 222	35 000	35 500	50 000	71 000	90.75	42.00
Rare Earths	(t)	2 500	2 300	2 000	2 500	2 700	8.00	8.00
Tin	(t)	36	45	50	52	53	47.22	1.92
Zinc	(t)	193 129	180 000	175 000	205 000	234 000	21.16	14.15
Gold	(kg)	2 463	2 030	3 200	3 800	3 900	58.34	2.63
Silver	(kg)	55 363	60 000	56 000	55 000	54 000	-2.46	-1.82
Asbestos	(t)	19 109	18 000	16 000	15 000	20 000	4.66	33.33
Baryte	(t)	659 318	500 000	650 000	700 000	780 000	18.30	11.43
Bentonite	(t)	250 000	230 000	200 000	190 000	180 000	-28.00	-5.26
Diam. (Gem)	(c)	12 102	14 400	16 000	18 000	20 000	65.26	11.11
Diam. (Ind)	(c)	22 477	21 600	24 000	27 000	30 000	33.47	11.11
Feldspar	(t)	106 811	108 000	110 000	115 000	117 000	9.54	1.74
Fluorspar	(t)	3 966	2 000	2 000	1 900	1 800	-54.61	-5.26
Graphite	(t)	131 822	150 000	170 000	175 000	176 000	33.51	0.57
Gypsum	(t)	2 326 876	2 500 000	2 200 000	2 220 000	2 300 000	-1.16	3.60

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Kaolin	(t)	708 503	760 000	520 000	500 000	600 000	-15.31	20.00
Magnesite	(t)	350 755	345 000	340 000	330 000	280 000	-20.17	-15.15
Phosphate	(t)	398 862	438 210	445 500	450 000	319 950	-19.78	-28.90
Salt	(t)	9 000 000	9 500 000	14 500 000	15 000 000	14 800 000	64.44	-1.33
Sulfur	(t)	12 143	12 000	11 800	11 500	11 300	-6.94	-1.74
Talc	(t)	456 187	450 000	440 000	430 000	420 000	-7.93	-2.33
Vermiculite	(t)	4 035	4 500	4 800	4 900	5 000	23.92	2.04
Zircon	(t)	20 000	20 000	19 000	18 000	17 000	-15.00	-5.56
Hard-Coal	(t)	293 565 000	292 300 000	280 000 000	300 000 000	350 000 000	19.22	16.67
Lignite	(t)	23 009 000	21 000 000	20 000 000	22 000 000	24 000 000	4.31	9.09
Nat.Gas (Mio m3)		19 522	19 000	21 000	26 400	23 500	20.38	-10.98
Oil	(t)	32 893 000	32 000 000	32 000 000	31 700 000	32 000 000	-2.71	0.95
Uranium	(t)	200	190	185	183	271	35.50	48.09

## Indonesia

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	308 288	309 100	269 019	258 170	208 175	-32.47	-19.37
Manganese	(t)	25 205	38 532	26 200	26 000	25 800	2.36	-0.77
Nickel	(t)	54 733	55 969	60 780	66 173	68 000	24.24	2.76
Bauxite	(t)	1 055 647	1 116 323	1 151 000	1 150 806	1 283 000	21.54	11.49
Copper	(t)	809 000	766 000	1 063 650	1 048 694	1 167 400	44.30	11.32
Tin	(t)	53 959	49 708	46 400	50 237	66 620	23.46	32.61
Gold	(kg)	123 862	127 767	127 192	166 090	139 650	12.75	-15.92
Silver	(kg)	383 191	361 377	314 032	348 332	289 450	-24.46	-16.90
Bentonite	(t)	3 756	50 322	39 300	11 836	11 500	206.18	-2.84
Feldspar	(t)	53 068	97 000	12 823	6 040	6 000	-88.69	-0.66
Gypsum	(t)	1 730	11 144	7 795	75 469	80 000	4524.28	6.00
Kaolin	(t)	30 036	7 641	0	0	0	-100.00	.
Phosphate	(t)	752	7 134	9 803	96	90	-88.03	-6.25
Salt	(t)	818 000	1 440 000	600 000	525 340	500 000	-38.88	-4.82
Sulfur	(t)	10 000	11 000	11 500	11 800	12 000	20.00	1.69
Hard-Coal	(t)	58 504 660	62 108 239	77 040 185	92 540 460	103 130 000	76.28	11.44
Nat.Gas (Mio m3)		85 446	78 720	82 277	78 757	86 083	0.75	9.30
Oil	(t)	85 455 980	78 780 880	82 276 540	77 889 280	65 162 400	-23.75	-16.34

### Remarks:

Iron: black sands

Gold: primary and secondary production from copper concentrates

Silver: primary and secondary production

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Iran

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	4 777 950	3 473 686	4 892 000	3 445 000	3 963 683	-17.04	15.06
Chromium	(t)	146 200	154 460	127 409	145 170	220 435	50.78	51.85
Manganese	(t)	64 600	41 440	54 400	41 138	41 870	-35.19	1.78
Molybdenum	(t)	3 100	4 501	3 460	4 506	4 271	37.77	-5.22
Aluminium	(t)	117 000	137 313	137 000	160 000	168 715	44.20	5.45
Antimony	(t)	0	155	185	0	0	.	.
Arsenic	(t)	350	375	315	91	61	-82.57	-32.97
Bauxite	(t)	370 000	439 387	440 050	273 677	57 254	-84.53	-79.08
Copper	(t)	111 000	131 763	155 850	143 500	134 632	21.29	-6.18
Lead	(t)	10 920	14 170	14 200	12 000	8 000	-26.74	-33.33
Zinc	(t)	69 000	72 875	73 210	75 000	81 000	17.39	8.00
Gold	(kg)	822	765	780	340	250	-69.59	-26.47
Silver	(kg)	1 720	1 630	1 650	815	800	-53.49	-1.84
Asbestos	(t)	75 000	65 953	67 200	75 000	70 000	-6.67	-6.67
Baryte	(t)	180 000	183 034	182 900	195 539	179 652	-0.19	-8.12
Bentonite	(t)	115 000	131 240	135 000	113 299	125 510	9.14	10.78
Boron	(t)	2 800	2 543	2 850	3 212	2 079	-25.75	-35.27
Diatomite	(t)	0	4 350	5 200	0	0	.	.
Feldspar	(t)	125 000	156 058	156 000	204 078	191 316	53.05	-6.25
Fluorspar	(t)	6 800	18 218	18 500	35 986	32 006	370.68	-11.06
Gypsum	(t)	9 750 000	10 790 918	10 700 000	10 381 580	13 535 000	38.82	30.38
Kaolin	(t)	1 050 000	858 510	860 000	635 880	553 782	-47.26	-12.91
Magnesite	(t)	120 000	141 081	140 000	133 778	128 565	7.14	-3.90
Perlite	(t)	3 800	2 100	5 400	8 130	20 000	426.32	146.00
Phosphate	(t)	0	171 640	170 000	213 338	303 000	.	42.03
Salt	(t)	1 450 000	1 668 790	1 560 000	1 558 668	1 664 496	14.79	6.79
Sulfur	(t)	1 200 000	1 300 000	1 600 000	1 800 000	1 500 000	25.00	-16.67
Talc	(t)	28 500	18 387	12 300	12 000	68 007	138.62	466.73
Hard-Coal	(t)	1 810 000	1 507 906	1 815 000	1 981 090	2 075 619	14.68	4.77
Nat.Gas (Mio m3)		50 000	49 000	57 000	60 500	61 000	22.00	0.83
Oil	(t)	193 000 000	180 558 200	193 300 000	182 900 000	170 700 000	-11.55	-6.67

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Iraq

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gypsum	(t)	430 000	450 000	480 000	485 000	490 000	13.95	1.03
Phosphate	(t)	495 000	390 000	415 000	455 000	470 000	-5.05	3.30
Salt	(t)	260 000	270 000	280 000	290 000	300 000	15.38	3.45
Sulfur	(t)	450 000	430 000	420 000	410 000	400 000	-11.11	-2.44
Nat.Gas (Mio m3)		4 000	4 200	4 300	4 350	4 400	10.00	1.15
Oil	(t)	108 200 000	125 500 000	128 000 000	117 900 000	101 200 000	-6.47	-14.16

## Ireland

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Lead	(t)	35 900	39 200	57 500	44 500	41 700	16.16	-6.29
Zinc	(t)	177 200	195 900	263 000	298 100	276 700	56.15	-7.18
Silver	(kg)	10 800	10 400	16 700	8 700	7 500	-30.56	-13.79
Gypsum	(t)	500 000	500 000	500 000	300 000	500 000	0.00	66.67
Nat.Gas (Mio m3)		1 790	1 400	1 230	1 020	980	-45.25	-3.92

## Israel

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gypsum	(t)	56 000	50 000	50 000	48 000	47 000	-16.07	-2.08
Phosphate	(t)	2 940 000	2 287 500	1 080 000	947 970	938 520	-68.08	-1.00
Potash	(t)	1 745 210	1 114 560	1 043 100	1 037 000	1 177 300	-32.54	13.53
Salt	(t)	700 000	700 000	680 000	660 000	650 000	-7.14	-1.52
Nat.Gas (Mio m3)		12	11	10	10	9	-25.00	-10.00
Oil	(t)	5 829	5 215	5 100	3 744	3 600	-38.24	-3.85

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Italy

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Manganese	(t)	924	972	1 000	980	960	3.90	-2.04
Aluminium	(t)	187 000	205 567	210 000	187 400	180 000	-3.74	-3.95
Cadmium	(t)	382	390	400	313	300	-21.47	-4.15
Lead	(t)	10 102	6 000	5 000	4 000	4 000	-60.40	0.00
Zinc	(t)	4 472	9 734	10 000	9 000	8 000	78.89	-11.11
Gold	(kg)	1 117	894	822	522	500	-55.24	-4.21
Silver	(kg)	60 000	50 000	48 000	40 000	39 000	-35.00	-2.50
Baryte	(t)	31 791	24 557	20 000	18 000	15 000	-52.82	-16.67
Bentonite	(t)	600 000	562 674	550 000	530 000	250 000	-58.33	-52.83
Feldspar	(t)	2 800 000	2 493 846	2 200 000	2 100 000	1 800 000	-35.71	-14.29
Fluorspar	(t)	104 188	46 916	40 000	38 000	60 000	-42.41	57.89
Gypsum	(t)	1 232 535	1 382 709	1 300 000	1 300 000	1 350 000	9.53	3.85
Salt	(t)	3 240 000	3 338 162	3 500 000	3 300 000	3 600 000	11.11	9.09
Sulfur	(t)	180 000	170 000	160 000	150 000	140 000	-22.22	-6.67
Talc	(t)	134 000	123 503	120 000	110 000	100 000	-25.37	-9.09
Lignite	(t)	251 000	260 000	270 000	260 000	250 000	-0.40	-3.85
Nat.Gas (Mio m3)		19 164	17 635	16 800	17 100	15 100	-21.21	-11.70
Oil	(t)	5 600 287	5 049 417	4 600 000	3 800 000	5 200 000	-7.15	36.84
Oil-Shale	(t)	22 471	23 000	23 500	23 800	23 500	4.58	-1.26

## Jamaica

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Bauxite	(t)	12 600 000	11 600 000	11 400 000	12 350 301	13 120 000	4.13	6.23
Gypsum	(t)	200 000	220 000	240 000	320 323	350 000	75.00	9.26
Salt	(t)	15 500	15 800	16 000	15 500	16 000	3.23	3.23

## Japan

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	1 720	1 800	1 454	1 449	1 440	-16.28	-0.62
Chromium	(t)	1 500	1 300	1 200	1 100	1 000	-33.33	-9.09
Aluminium	(t)	16 302	16 100	16 000	16 000	15 000	-7.99	-6.25
Arsenic	(t)	400	380	350	340	330	-17.50	-2.94
Bismuth	(t)	470	475	500	550	570	21.28	3.64
Cadmium	(t)	2 342	2 100	2 439	2 467	2 589	10.55	4.95
Copper	(t)	1 070	1 038	1 211	744	700	-34.58	-5.91
Gallium	(t)	4	3	3	2	2	-50.00	0.00
Lead	(t)	6 198	6 074	8 835	4 997	5 723	-7.66	14.53
Tellurium	(t)	38	35	34	34	35	-7.89	2.94
Zinc	(t)	67 670	64 263	63 601	44 519	42 851	-36.68	-3.75
Gold	(kg)	8 601	9 410	8 400	7 815	8 615	0.16	10.24
Platinum	(kg)	533	650	630	620	620	16.32	0.00
Silver	(kg)	94 472	94 000	103 781	80 397	81 416	-13.82	1.27
Bentonite	(t)	443 566	420 000	428 247	415 115	410 000	-7.57	-1.23
Feldspar	(t)	60 000	58 000	55 000	54 000	52 000	-13.33	-3.70
Kaolin	(t)	83 257	90 000	53 092	25 739	23 000	-72.37	-10.64
Perlite	(t)	250 000	260 000	260 000	260 000	260 000	4.00	0.00
Salt	(t)	1 000 000	950 000	930 000	920 000	910 000	-9.00	-1.09
Sulfur	(t)	544 904	520 000	500 000	480 000	460 000	-15.58	-4.17
Talc	(t)	600 000	580 000	560 000	555 000	540 000	-10.00	-2.70
Vermiculite	(t)	8 000	7 000	6 500	6 400	6 200	-22.50	-3.13
Hard-Coal	(t)	3 663 000	2 600 000	3 126 000	3 208 000	3 400 000	-7.18	5.99
Nat.Gas (Mio m3)		2 300	2 400	2 453	2 480	2 500	8.70	0.81
Oil	(t)	792 000	653 350	740 000	760 000	780 000	-1.52	2.63

## Jordan

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Feldspar	(t)	7 200	7 100	11 112	12 000	12 500	73.61	4.17
Gypsum	(t)	110 000	100 000	157 869	180 000	190 000	72.73	5.56
Kaolin	(t)	34 000	33 500	36 795	40 000	42 000	23.53	5.00
Phosphate	(t)	1 861 440	1 850 000	1 910 391	1 869 760	2 297 280	23.41	22.86
Potash	(t)	910 200	1 080 000	1 161 593	1 250 000	1 200 000	31.84	-4.00
Salt	(t)	263 365	400 000	305 170	300 000	290 000	10.11	-3.33
Nat.Gas (Mio m3)		300	250	283	285	287	-4.33	0.70
Oil	(t)	2 100	1 500	1 686	1 800	1 900	-9.52	5.56

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Kazakhstan

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	8 693 000	9 607 000	8 988 395	8 529 987	8 697 000	0.05	1.96
Chromium	(t)	688 000	820 000	728 545	874 254	1 019 100	48.13	16.57
Cobalt	(t)	300	300	280	200	190	-36.67	-5.00
Manganese	(t)	119 700	168 900	170 000	180 000	190 000	58.73	5.56
Molybdenum	(t)	100	110	600	600	650	550.00	8.33
Nickel	(t)	1 200	0	0	0	0	-100.00	.
Titanium	(t)	12 000	11 500	11 300	11 000	10 800	-10.00	-1.82
Tungsten	(t)	200	180	160	150	140	-30.00	-6.67
Vanadium	(t)	1 000	1 000	1 100	1 000	900	-10.00	-10.00
Arsenic	(t)	1 300	1 000	950	900	890	-31.54	-1.11
Bauxite	(t)	3 437 000	3 607 000	3 729 600	3 670 000	3 600 000	4.74	-1.91
Bismuth	(t)	50	55	60	65	70	40.00	7.69
Cadmium	(t)	1 463	1 061	257	170	359	-75.46	111.18
Copper	(t)	337 600	374 000	430 200	470 000	431 700	27.87	-8.15
Lead	(t)	30 100	34 100	39 300	37 500	37 000	22.92	-1.33
Zinc	(t)	224 300	288 000	322 100	344 700	286 283	27.63	-16.95
Gold	(kg)	18 000	19 982	20 000	25 010	26 000	44.44	3.96
Silver	(kg)	535 800	904 000	637 000	755 000	786 800	46.85	4.21
Asbestos	(t)	125 000	120 000	233 200	178 400	235 000	88.00	31.73
Baryte	(t)	300 000	320 000	330 000	340 000	300 000	0.00	-11.76
Boron	(t)	60 000	55 000	53 000	50 000	48 000	-20.00	-4.00
Fluorspar	(t)	90 000	85 000	83 000	82 000	80 000	-11.11	-2.44
Phosphate	(t)	450 000	420 000	400 000	380 000	360 000	-20.00	-5.26
Sulfur	(t)	120 000	130 000	140 000	145 000	148 000	23.33	2.07
Hard-Coal	(t)	65 700 000	56 200 000	72 429 500	76 000 000	70 600 000	7.46	-7.11
Lignite	(t)	3 000 000	2 000 000	2 442 900	3 000 000	2 620 000	-12.67	-12.67
Nat.Gas (Mio m3)		4 000	3 500	4 669	4 030	4 000	0.00	-0.74
Oil	(t)	25 900 000	30 000 000	30 647 900	35 670 000	47 220 000	82.32	32.38
Uranium	(t)	1 530	1 612	2 052	2 379	2 936	91.90	23.41

## Kenya

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gold	(kg)	388	990	1 243	1 545	1 477	280.67	-4.40
Diatomite	(t)	468	507	448	441	1 333	184.83	202.27
Fluorspar	(t)	60 854	93 602	100 102	118 850	85 015	39.70	-28.47
Gypsum	(t)	700	600	580	550	530	-24.29	-3.64

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Kaolin	(t)	150	130	120	110	100	-33.33	-9.09
Salt	(t)	21 742	44 886	10 500	5 664	18 848	-13.31	232.77
Vermiculite	(t)	353	164	124	100	90	-74.50	-10.00

Remarks:

Vermiculite: quantity exported.

## Korea, Republic of

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	133 421	187 982	163 192	241 201	156 800	17.52	-34.99
Cadmium	(t)	930	1 790	1 900	2 000	2 100	125.81	5.00
Lead	(t)	3 558	3 644	2 724	1 975	1 900	-46.60	-3.80
Zinc	(t)	10 489	19 664	11 473	10 259	10 000	-4.66	-2.52
Gold	(kg)	200	320	350	370	380	90.00	2.70
Silver	(kg)	4 500	4 144	4 688	4 800	4 900	8.89	2.08
Bentonite	(t)	110 000	112 258	67 652	116 530	120 000	9.09	2.98
Diatomite	(t)	78 000	80 222	34 143	27 530	26 000	-66.67	-5.56
Feldspar	(t)	248 493	409 334	330 417	389 361	390 000	56.95	0.16
Graphite	(t)	3 000	0	0	238	300	-90.00	26.05
Kaolin	(t)	393 736	380 000	390 000	355 202	350 000	-11.11	-1.46
Talc	(t)	868 020	880 000	917 972	1 149 537	1 200 000	38.25	4.39
Hard-Coal	(t)	4 361 000	4 197 000	4 150 000	3 817 000	3 300 000	-24.33	-13.54

## Kuwait

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Salt	(t)	35 000	34 800	34 500	34 200	34 000	-2.86	-0.58
Sulfur	(t)	580 000	550 000	530 000	500 000	480 000	-17.24	-4.00
Nat.Gas (Mio m3)		12 000	11 000	11 500	12 500	9 800	-18.33	-21.60
Oil	(t)	91 900 000	85 169 100	106 300 000	130 396 625	98 000 000	6.64	-24.84

Abbreviations: see Explanation; Abkürzungen: siehe Einleitende Bemerkungen



## Kyrgystan

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Antimony	(t)	1 298	1 320	1 505	1 500	1 324	2.00	-11.73
Mercury	(t)	629	628	550	574	530	-15.74	-7.67
Gold	(kg)	21 000	20 000	21 000	24 000	18 000	-14.29	-25.00
Hard-Coal	(t)	400 000	415 000	419 400	477 000	497 500	24.38	4.30
Nat.Gas (Mio m3)		20	30	32	37	29	45.00	-21.62
Oil	(t)	100 000	100 000	85 000	75 000	75 500	-24.50	0.67

## Laos

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Tin	(t)	226	320	435	500	550	143.36	10.00
Gypsum	(t)	104 250	100 000	147 719	150 000	155 000	48.68	3.33
Salt	(t)	3 453	3 200	2 436	2 200	2 100	-39.18	-4.55
Hard-Coal	(t)	8 773	15 000	21 997	25 000	27 000	207.76	8.00

## Latvia

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gypsum	(t)	93 611	65 000	126 570	176 370	228 800	144.42	29.73

## Lebanon

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gypsum	(t)	1 300	1 200	1 100	1 100	1 000	-23.08	-9.09
Salt	(t)	1 800	1 700	1 600	1 500	1 400	-22.22	-6.67

## Liberia

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Diam. (Gem)	(c)	27 630	65 000	55 250	50 375	48 750	76.44	-3.23
Diam. (Ind)	(c)	57 380	135 000	114 750	104 625	101 250	76.46	-3.23

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Libya

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gypsum	(t)	200 000	180 000	196 000	196 000	150 000	-25.00	-23.47
Salt	(t)	30 000	25 000	14 411	14 411	13 000	-56.67	-9.79
Sulfur	(t)	22 000	23 000	24 400	24 400	30 000	36.36	22.95
Nat.Gas (Mio m3)		8 000	13 700	13 543	6 273	6 000	-25.00	-4.35
Oil	(t)	66 900 000	72 893 290	80 832 000	67 010 257	63 800 000	-4.63	-4.79

## Lithuania

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Oil	(t)	275 000	232 000	316 500	470 900	433 727	57.72	-7.89

## Macedonia

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Nickel	(t)	5 800	1 900	0	0	5 100	-12.07	.
Copper	(t)	9 100	10 000	6 000	9 000	5 600	-38.46	-37.78
Lead	(t)	30 000	12 300	16 500	9 000	4 000	-86.67	-55.56
Zinc	(t)	14 300	8 000	12 200	5 000	2 100	-85.31	-58.00
Gold	(kg)	700	750	750	730	500	-28.57	-31.51
Silver	(kg)	20 000	22 000	20 000	15 000	12 000	-40.00	-20.00
Bentonite	(t)	3 000	2 800	2 500	3 000	3 000	0.00	0.00
Feldspar	(t)	8 100	11 000	10 057	20 500	21 000	159.26	2.44
Talc	(t)	1 500	900	800	800	800	-46.67	0.00
Lignite	(t)	6 500 000	7 500 000	7 000 000	6 000 000	8 600 000	32.31	43.33

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Madagascar

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Chromium	(t)	33 963	32 000	65 660	68 600	82 600	143.21	20.41
Gold	(kg)	33	40	42	10	10	-69.70	0.00
Graphite	(t)	18 690	14 516	14 000	13 500	13 200	-29.37	-2.22
Kaolin	(t)	378	300	500	550	560	48.15	1.82
Salt	(t)	38 000	35 000	34 000	33 500	33 300	-12.37	-0.60

## Malawi

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Hard-Coal	(t)	54 200	43 800	34 300	36 700	41 900	-22.69	14.17

## Malaysia

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	376 090	337 462	258 553	376 476	404 350	7.51	7.40
Titanium	(t)	65 000	63 000	61 000	60 000	59 000	-9.23	-1.67
Bauxite	(t)	160 271	222 724	123 270	64 161	39 975	-75.06	-37.70
Copper	(t)	13 907	14 596	10 200	8 000	7 000	-49.67	-12.50
Rare Earths	(t)	500	450	420	400	390	-22.00	-2.50
Tin	(t)	5 754	7 340	6 307	4 972	4 214	-26.76	-15.25
Gold	(kg)	3 394	3 449	4 026	3 965	4 289	26.37	8.17
Silver	(kg)	2 744	7 285	500	480	460	-83.24	-4.17
Baryte	(t)	17 000	13 506	16 200	16 500	16 600	-2.35	0.61
Feldspar	(t)	30 000	33 000	35 000	40 509	41 000	36.67	1.21
Kaolin	(t)	176 521	213 035	300 000	364 458	258 233	46.29	-29.15
Zircon	(t)	3 057	1 763	5 250	5 500	5 700	86.46	3.64
Hard-Coal	(t)	349 849	308 502	382 942	497 733	352 513	0.76	-29.18
Nat.Gas (Mio m3)		39 865	38 320	4 308	4 672	4 837	-87.87	3.53
Oil	(t)	37 872 287	37 820 128	35 624 255	34 841 805	36 512 950	-3.59	4.80

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Mali

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gold	(kg)	22 000	17 160	25 900	41 011	56 000	154.55	36.55

## Malta

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Salt	(t)	120	100	100	90	90	-25.00	0.00

## Mauritania

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	6 726 200	6 604 000	6 500 000	6 700 000	6 125 600	-8.93	-8.57
Gold	(kg)	1 700	1 700	1 650	1 600	1 600	-5.88	0.00
Gypsum	(t)	18 795	18 800	18 900	25 000	31 408	67.11	25.63

## Mexico

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	5 067 406	5 508 174	5 436 325	4 215 855	4 772 342	-5.82	13.20
Manganese	(t)	187 103	169 107	156 117	99 751	88 356	-52.78	-11.42
Molybdenum	(t)	5 948	7 961	6 886	5 518	3 428	-42.37	-37.88
Tungsten	(t)	130	10	0	0	0	-100.00	.
Antimony	(t)	1 301	273	52	81	155	-88.09	91.36
Arsenic	(t)	2 573	2 419	2 522	2 381	1 946	-24.37	-18.27
Bismuth	(t)	1 204	548	1 112	1 390	1 126	-6.48	-18.99
Cadmium	(t)	1 739	1 311	1 297	1 434	1 389	-20.13	-3.14
Copper	(t)	344 766	340 147	338 999	349 360	314 820	-8.69	-9.89
Lead	(t)	171 610	131 402	160 607	148 625	138 749	-19.15	-6.64
Mercury	(t)	15	15	16	15	13	-13.33	-13.33
Tin	(t)	5	4	4	8	9	80.00	12.50
Zinc	(t)	371 898	339 758	358 576	427 273	431 662	16.07	1.03
Gold	(kg)	25 982	23 475	25 822	25 749	23 594	-9.19	-8.37
Silver	(kg)	2 868 099	2 455 986	2 746 852	3 030 437	3 146 257	9.70	3.82

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Baryte	(t)	161 555	157 953	127 668	142 017	163 620	1.28	15.21
Bentonite	(t)	185 729	208 610	269 730	415 133	432 940	133.10	4.29
Diatomite	(t)	62 000	62 500	96 448	69 474	62 322	0.52	-10.29
Feldspar	(t)	197 866	262 241	334 439	329 591	332 101	67.84	0.76
Fluorspar	(t)	598 043	557 106	635 230	619 468	622 477	4.09	0.49
Graphite	(t)	43 481	27 781	30 330	21 442	13 865	-68.11	-35.34
Gypsum	(t)	3 993 305	3 799 419	3 558 118	3 721 505	3 549 550	-11.11	-4.62
Kaolin	(t)	339 012	489 993	120 000	94 410	88 890	-73.78	-5.85
Perlite	(t)	54 839	61 596	68 702	80 297	85 703	56.28	6.73
Phosphate	(t)	242 032	304 208	336 789	251 930	1 524	-99.37	-99.40
Salt	(t)	8 412 063	8 235 621	8 884 370	8 501 137	7 801 948	-7.25	-8.22
Sulfur	(t)	912 826	855 484	851 427	878 180	887 035	-2.83	1.01
Talc	(t)	18 842	18 980	20 569	22 650	24 000	27.38	5.96
Hard-Coal	(t)	7 632 227	8 764 835	8 230 115	6 966 027	6 370 872	-16.53	-8.54
Nat.Gas (Mio m3)		36 500	37 000	38 400	41 000	38 700	6.03	-5.61
Oil	(t)	169 300 000	166 100 000	173 300 000	175 000 000	179 200 000	5.85	2.40

## Moldavia

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gypsum	(t)	19 080	17 440	20 200	34 000	42 700	123.79	25.59

## Mongolia

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Molybdenum	(t)	1 993	1 953	1 336	1 423	1 300	-34.77	-8.64
Tungsten	(t)	0	0	0	63	0	.	-100.00
Copper	(t)	127 800	157 500	165 000	133 503	120 000	-6.10	-10.11
Tellurium	(t)	3	4	5	4	5	66.67	25.00
Gold	(kg)	9 531	10 246	11 808	12 092	13 000	36.40	7.51
Silver	(kg)	18 000	17 000	16 500	21 000	23 000	27.78	9.52
Fluorspar	(t)	171 000	170 000	168 000	127 293	160 000	-6.43	25.69
Gypsum	(t)	18 000	17 000	16 000	15 000	14 000	-22.22	-6.67
Salt	(t)	15 000	14 500	14 300	14 000	13 500	-10.00	-3.57
Lignite	(t)	5 200 000	5 500 000	4 800 000	3 707 600	5 900 000	13.46	59.13
Uranium	(t)	100	90	88	70	68	-32.00	-2.86

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Morocco

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	5 685	6 625	5 615	5 006	5 736	0.90	14.58
Cobalt	(t)	287	948	1 434	1 573	1 690	488.85	7.44
Manganese	(t)	12 749	13 118	11 624	6 190	8 129	-36.24	31.32
Copper	(t)	9 373	8 841	8 103	6 692	6 230	-33.53	-6.90
Lead	(t)	71 326	70 794	72 856	66 514	54 920	-23.00	-17.43
Zinc	(t)	108 006	108 099	100 870	87 416	89 238	-17.38	2.08
Gold	(kg)	0	0	334	1 191	2 746	.	130.56
Silver	(kg)	307 000	278 000	270 000	246 204	238 043	-22.46	-3.31
Baryte	(t)	353 438	328 950	320 243	445 788	469 934	32.96	5.42
Bentonite	(t)	47 881	36 528	21 352	80 434	58 754	22.71	-26.95
Feldspar	(t)	18 330	1 110	0	0	0	-100.00	.
Fluorspar	(t)	105 000	83 100	77 800	96 500	93 125	-11.31	-3.50
Phosphate	(t)	22 644 000	22 163 000	21 459 000	21 995 000	23 038 000	1.74	4.74
Salt	(t)	107 604	156 158	147 960	231 334	266 064	147.26	15.01
Talc	(t)	3 320	2 980	0	0	5 926	78.49	.
Hard-Coal	(t)	269 100	129 200	28 725	19 080	18 000	-93.31	-5.66
Nat.Gas (Mio m3)		37	43	45	46	47	27.03	2.17
Oil	(t)	13 000	12 900	12 500	12 700	12 800	-1.54	0.79

## Mozambique

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Bauxite	(t)	6 000	5 500	5 300	5 200	5 100	-15.00	-1.92
Gold	(kg)	230	220	200	190	180	-21.74	-5.26
Salt	(t)	25 000	24 000	22 000	20 000	19 500	-22.00	-2.50
Hard-Coal	(t)	40 000	45 000	46 000	48 000	49 000	22.50	2.08

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Myanmar

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Chromium	(t)	120	100	100	135	140	16.67	3.70
Tungsten	(t)	9	7	2	1	1	-88.89	0.00
Copper	(t)	960	8 010	7 920	7 773	6 355	561.98	-18.24
Lead	(t)	1 255	1 500	775	1 105	1 200	-4.38	8.60
Tin	(t)	311	426	636	525	241	-22.51	-54.10
Zinc	(t)	500	450	430	259	200	-60.00	-22.78
Gold	(kg)	121	116	93	64	84	-30.58	31.25
Silver	(kg)	3 643	2 159	1 432	577	559	-84.66	-3.12
Baryte	(t)	18 562	27 679	32 669	31 015	24 232	30.55	-21.87
Bentonite	(t)	720	700	680	572	550	-23.61	-3.85
Diam. (Ind)	(c)	7	6	5	5	4	-42.86	-20.00
Gypsum	(t)	40 234	43 102	52 573	64 609	63 031	56.66	-2.44
Salt	(t)	180 000	170 000	165 000	166 000	167 000	-7.22	0.60
Lignite	(t)	31 025	42 773	52 553	62 447	34 513	11.24	-44.73
Nat.Gas (Mio m3)		1 700	1 600	1 500	1 500	1 550	-8.82	3.33
Oil	(t)	580 000	781 100	790 000	800 000	810 000	39.66	1.25

### Remarks:

Diamonds: Byproduct of alluvial tin operation.

## Namibia

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Manganese	(t)	30 000	29 000	27 000	26 000	25 000	-16.67	-3.85
Arsenic	(t)	175	0	0	685	880	402.86	28.47
Copper	(t)	8 739	13 000	20 000	27 015	17 850	104.26	-33.93
Lead	(t)	12 800	9 361	11 114	13 025	13 190	3.05	1.27
Lithium	(t)	90	100	95	95	93	3.33	-2.11
Zinc	(t)	39 800	34 639	39 126	31 803	42 685	7.25	34.22
Gold	(kg)	1 882	2 008	2 417	2 851	2 815	49.57	-1.26
Silver	(kg)	23 000	15 000	900	1 800	1 500	-93.48	-16.67

Diam. (Gem)	(c)	1 368 000	1 557 050	1 474 400	1 420 250	1 472 500	7.64	3.68
Diam. (Ind)	(c)	72 000	81 950	77 600	74 750	77 500	7.64	3.68
Fluorspar	(t)	42 139	57 700	66 128	81 245	81 084	92.42	-0.20
Salt	(t)	496 113	489 330	514 077	558 441	614 052	23.77	9.96
Sulfur	(t)	47 000	48 000	48 200	48 000	47 000	0.00	-2.08
Uranium	(t)	3 257	3 095	3 201	3 113	3 244	-0.40	4.21

## Nauru

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Phosphate	(t)	178 600	254 213	247 213	101 080	70 680	-60.43	-30.08

## Nepal

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Salt	(t)	1	0	1	5	6	500.00	20.00
Talc	(t)	6 157	6 000	5 852	3 923	3 800	-38.28	-3.14
Lignite	(t)	10 954	12 000	17 530	16 589	16 400	49.72	-1.14

## Netherlands

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Aluminium	(t)	263 700	270 000	240 000	230 000	220 000	-16.57	-4.35
Salt	(t)	5 600 000	5 400 000	5 564 000	5 600 000	5 700 000	1.79	1.79
Nat.Gas (Mio m3)		79 200	72 030	67 727	70 000	72 000	-9.09	2.86
Oil	(t)	2 700 000	2 439 060	2 300 000	2 300 000	3 000 000	11.11	30.43

## New Caledonia

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Nickel	(t)	125 000	110 000	127 000	118 000	99 000	-20.80	-16.10

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



## New Zealand

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	1 276 000	1 334 000	1 566 000	928 000	986 000	-22.73	6.25
Aluminium	(t)	317 500	320 000	330 000	340 000	350 000	10.24	2.94
Gold	(kg)	7 700	8 600	9 800	9 850	9 770	26.88	-0.81
Silver	(kg)	22 700	24 300	22 900	26 900	28 700	26.43	6.69
Bentonite	(t)	4 200	4 400	4 500	4 600	4 700	11.90	2.17
Kaolin	(t)	26 000	26 000	26 200	26 400	26 500	1.92	0.38
Perlite	(t)	2 000	1 900	1 800	1 700	1 600	-20.00	-5.88
Salt	(t)	68 000	65 000	64 000	64 000	63 000	-7.35	-1.56
Hard-Coal	(t)	3 100 000	3 500 000	3 600 000	3 900 000	4 500 000	45.16	15.38
Lignite	(t)	200 000	180 000	170 000	180 000	190 000	-5.00	5.56
Nat.Gas (Mio m3)		5 600	5 700	5 750	5 780	5 800	3.57	0.35
Oil	(t)	2 000 000	2 346 950	2 400 000	2 500 000	2 600 000	30.00	4.00

## Nicaragua

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gold	(kg)	2 050	5 416	6 000	6 300	6 500	217.07	3.17
Silver	(kg)	1 300	2 167	2 500	2 800	3 000	130.77	7.14
Bentonite	(t)	400	370	350	340	320	-20.00	-5.88
Gypsum	(t)	12 000	11 000	10 500	10 200	10 000	-16.67	-1.96
Salt	(t)	14 000	12 000	11 000	10 500	10 700	-23.57	1.90

## Niger

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Tin	(t)	26	32	22	19	18	-30.77	-5.26
Gold	(kg)	20	25	27	30	28	40.00	-6.67
Gypsum	(t)	2 200	1 502	3 000	3 800	17 652	702.36	364.53
Salt	(t)	1 600	2 000	2 200	2 300	2 400	50.00	4.35
Hard-Coal	(t)	150 000	168 466	158 200	163 275	182 916	21.94	12.03
Uranium	(t)	4 400	2 916	3 407	2 919	3 076	-30.09	5.38

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Nigeria

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	70 000	68 000	65 000	64 000	63 000	-10.00	-1.56
Tantalum-Col.	(t)	18	19	20	21	29	61.11	38.10
Tin	(t)	1 400	1 200	1 100	1 000	1 100	-21.43	10.00
Gold	(kg)	320	200	150	150	140	-56.25	-6.67
Baryte	(t)	12 000	10 000	9 500	9 400	9 300	-22.50	-1.06
Kaolin	(t)	80	70	68	68	66	-17.50	-2.94
Hard-Coal	(t)	90 000	85 000	83 000	82 000	80 000	-11.11	-2.44
Nat.Gas (Mio m3)		5 000	4 800	5 000	7 000	13 000	160.00	85.71
Oil	(t)	104 500 000	102 710 000	101 200 000	107 400 000	97 600 000	-6.60	-9.12

## Norway

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	409 200	338 000	458 000	381 000	476 000	16.32	24.93
Nickel	(t)	2 964	2 715	2 287	2 499	1 540	-48.04	-38.38
Titanium	(t)	261 134	256 889	306 281	344 211	367 019	40.55	6.63
Aluminium	(t)	995 500	1 000 000	1 030 000	1 100 000	1 150 000	15.52	4.55
Cadmium	(t)	270	230	200	200	190	-29.63	-5.00
Copper	(t)	2 700	0	0	0	0	-100.00	.
Lead	(t)	1 800	1 000	0	0	0	-100.00	.
Zinc	(t)	1 800	0	0	0	0	-100.00	.
Silver	(kg)	2 000	1 800	1 500	1 300	1 200	-40.00	-7.69
Feldspar	(t)	82 036	73 000	71 330	80 000	80 000	-2.48	0.00
Graphite	(t)	8 271	7 400	8 392	9 000	8 000	-3.28	-11.11
Sulfur	(t)	42 300	42 100	42 000	39 000	38 000	-10.17	-2.56
Talc	(t)	21 000	20 000	18 000	25 000	27 000	28.57	8.00
Hard-Coal	(t)	328 169	404 000	631 926	1 788 000	2 200 000	570.39	23.04
Nat.Gas (Mio m3)		47 100	51 582	52 400	57 465	68 300	45.01	18.85
Oil	(t)	158 900 000	154 833 000	159 000 000	163 100 000	159 200 000	0.19	-2.39

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Oman

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Chromium	(t)	11 902	10 404	9 800	12 060	13 000	9.23	7.79
Copper	(t)	993	900	1 000	1 200	1 300	30.92	8.33
Gold	(kg)	579	597	604	603	600	3.63	-0.50
Silver	(kg)	286	300	320	289	250	-12.59	-13.49
Gypsum	(t)	165 000	180 120	131 900	130 600	128 000	-22.42	-1.99
Salt	(t)	13 778	11 230	11 700	13 980	14 000	1.61	0.14
Nat.Gas (Mio m3)		7 500	7 300	7 200	7 400	7 500	0.00	1.35
Oil	(t)	44 500 000	46 683 500	47 800 000	50 280 794	52 000 000	16.85	3.42

### Remarks:

Ag: byproduct from Cu concentrate treatment, no indigenous copper production.

## Pakistan

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	6 291	17 320	18 000	20 000	22 000	249.71	10.00
Chromium	(t)	5 180	9 789	9 000	9 900	8 928	72.36	-9.82
Bauxite	(t)	9 662	9 200	8 700	5 900	8 760	-9.34	48.47
Asbestos	(t)	130	140	145	150	160	23.08	6.67
Baryte	(t)	24 472	22 728	21 230	27 100	26 100	6.65	-3.69
Bentonite	(t)	13 998	14 303	13 850	10 700	11 220	-19.85	4.86
Feldspar	(t)	31 168	31 456	43 190	30 000	56 920	82.62	89.73
Fluorspar	(t)	2 647	760	990	1 000	1 100	-58.44	10.00
Gypsum	(t)	254 410	273 236	377 000	624 000	417 000	63.91	-33.17
Kaolin	(t)	72 262	65 794	49 570	55 600	54 360	-24.77	-2.23
Magnesite	(t)	1 082	2 100	3 610	3 000	4 430	309.43	47.67
Phosphate	(t)	10 000	5 000	4 800	4 600	4 500	-55.00	-2.17
Salt	(t)	1 115 763	1 250 000	1 313 000	1 393 000	1 387 000	24.31	-0.43
Sulfur	(t)	200	180	160	160	185	-7.50	15.63
Hard-Coal	(t)	3 100 000	3 203 000	3 117 000	3 262 000	3 487 000	12.48	6.90
Nat.Gas (Mio m3)		15 090	22 120	20 000	23 000	24 800	64.35	7.83
Oil	(t)	2 543 174	2 726 550	2 900 000	1 081 800	1 100 330	-56.73	1.71

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Panama

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gold	(kg)	1 500	1 500	1 500	1 500	1 000	-33.33	-33.33
Silver	(kg)	350	330	310	200	100	-71.43	-50.00
Salt	(t)	25 266	25 000	24 800	24 400	24 200	-4.22	-0.82

## Papua New Guinea

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Copper	(t)	152 200	188 000	203 000	204 000	211 315	38.84	3.59
Gold	(kg)	59 712	65 000	74 540	67 043	63 156	5.77	-5.80
Silver	(kg)	59 295	59 000	79 197	69 368	64 007	7.95	-7.73
Nat.Gas	(Mio m3)	100	95	93	92	91	-9.00	-1.09
Oil	(t)	5 600 000	5 219 500	5 100 000	5 000 000	4 900 000	-12.50	-2.00

## Paraguay

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gypsum	(t)	6 300	6 000	5 900	5 800	5 700	-9.52	-1.72
Kaolin	(t)	100 000	150 000	170 000	175 000	177 000	77.00	1.14

## Peru

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	3 282 118	2 672 630	2 635 991	3 000 000	3 100 000	-5.55	3.33
Molybdenum	(t)	4 344	5 471	7 193	9 500	8 600	97.97	-9.47
Tungsten	(t)	76	0	0	0	0	-100.00	.
Antimony	(t)	364	255	461	274	356	-2.20	29.93
Arsenic	(t)	624	1 611	1 718	2 800	2 970	375.96	6.07
Bismuth	(t)	868	705	744	640	568	-34.56	-11.25
Cadmium	(t)	535	465	458	640	456	-14.77	-28.75

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Copper	(t)	483 338	536 000	553 924	772 000	843 000	74.41	9.20
Lead	(t)	257 713	271 000	270 576	290 000	298 000	15.63	2.76
Tellurium	(t)	22	20	21	19	22	0.00	15.79
Tin	(t)	25 747	30 400	37 410	38 200	38 815	50.76	1.61
Zinc	(t)	868 757	899 000	910 303	1 056 000	1 222 000	40.66	15.72
Gold	(kg)	94 214	128 090	132 585	138 020	152 200	61.55	10.27
Silver	(kg)	2 024 570	2 217 000	2 437 706	2 673 000	2 761 000	36.37	3.29
Baryte	(t)	63 000	63 500	64 000	65 000	66 000	4.76	1.54
Bentonite	(t)	19 563	18 000	17 800	17 600	17 500	-10.55	-0.57
Boron	(t)	17 945	15 000	14 500	14 300	14 100	-21.43	-1.40
Diatomite	(t)	18 000	16 000	15 500	15 200	15 000	-16.67	-1.32
Feldspar	(t)	3 984	4 000	4 300	4 500	4 700	17.97	4.44
Gypsum	(t)	71 018	75 000	76 000	77 000	78 000	9.83	1.30
Kaolin	(t)	4 968	4 000	3 800	3 600	3 500	-29.55	-2.78
Phosphate	(t)	46 821	50 000	52 000	54 000	55 000	17.47	1.85
Salt	(t)	220 310	250 000	260 000	270 000	280 000	27.09	3.70
Sulfur	(t)	40 000	35 000	33 000	31 000	30 000	-25.00	-3.23
Talc	(t)	20 000	18 000	17 500	17 300	17 200	-14.00	-0.58
Hard-Coal	(t)	80 000	75 000	73 000	72 000	70 000	-12.50	-2.78
Nat.Gas (Mio m3)		1 000	900	880	870	860	-14.00	-1.15
Oil	(t)	5 400 000	5 287 300	5 144 400	5 100 000	5 000 000	-7.41	-1.96

**Remarks:**

Sulphur: byproduct, estimated.

## Philippines

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Chromium	(t)	12 188	17 531	19 000	20 000	4 744	-61.08	-76.28
Nickel	(t)	12 840	9 374	17 000	24 500	28 000	118.07	14.29
Arsenic	(t)	1 000	900	800	850	900	-10.00	5.88
Copper	(t)	45 381	37 631	30 644	28 000	18 364	-59.53	-34.41
Gold	(kg)	34 038	31 050	31 050	29 600	35 848	5.32	21.11
Silver	(kg)	18 220	18 214	23 534	29 591	8 811	-51.64	-70.22
Bentonite	(t)	3 900	1 844	2 000	2 100	2 500	-35.90	19.05
Feldspar	(t)	3 824	16 740	3 180	17 000	32 874	759.68	93.38
Guano	(t)	35	40	57	60	66	88.57	10.00
Kaolin	(t)	2 000	5 465	4 500	2 800	390	-80.50	-86.07
Perlite	(t)	6 356	10 235	8 000	5 000	3 850	-39.43	-23.00
Phosphate	(t)	7 506	4 500	3 800	2 300	2 789	-62.84	21.26
Salt	(t)	700 000	704 347	589 528	550 000	460 983	-34.15	-16.18

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Hard-Coal	(t)	1 400 000	1 204 979	1 354 000	1 400 000	1 645 659	17.55	17.55
Nat.Gas (Mio m3)		9	7	10	140	1 761	**** **	1157.86
Oil	(t)	41 221	44 787	59 509	111 333	764 451	1754.52	586.63

#### Remarks:

Oil incl. condensates

2002: Startup of Malampaya offshore Oil fields.

## Poland

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Aluminium	(t)	52 500	46 750	45 100	45 000	44 000	-16.19	-2.22
Cadmium	(t)	218	200	190	180	175	-19.72	-2.78
Copper	(t)	479 000	496 000	486 000	536 000	572 000	19.42	6.72
Lead	(t)	64 300	64 000	68 400	74 000	73 000	13.53	-1.35
Zinc	(t)	176 000	177 000	157 000	182 000	170 000	-3.41	-6.59
Gold	(kg)	370	350	367	349	296	-20.00	-15.19
Silver	(kg)	1 100 000	1 096 000	1 144 000	1 163 000	1 571 000	42.82	35.08
Baryte	(t)	25 000	28 000	29 000	29 500	30 000	20.00	1.69
Bentonite	(t)	2 100	2 300	2 500	2 600	2 800	33.33	7.69
Feldspar	(t)	75 000	77 000	78 000	69 000	85 000	13.33	23.19
Gypsum	(t)	1 000 000	1 000 000	1 239 000	1 030 000	1 066 000	6.60	3.50
Kaolin	(t)	90 000	140 000	170 000	220 000	252 000	180.00	14.55
Magnesite	(t)	32 000	34 000	54 830	23 000	24 000	-25.00	4.35
Salt	(t)	4 005 000	4 128 000	3 159 000	3 226 000	3 310 000	-17.35	2.60
Sulfur	(t)	1 384 000	1 096 000	1 480 000	944 000	777 000	-43.86	-17.69
Hard-Coal	(t)	116 706 000	112 000 000	103 172 000	102 477 000	96 160 000	-17.60	-6.16
Lignite	(t)	62 820 000	60 800 000	59 460 000	59 547 000	58 240 000	-7.29	-2.19
Nat.Gas (Mio m3)		4 835	4 741	4 962	4 646	4 920	1.76	5.90
Oil	(t)	352 000	425 000	653 000	470 860	437 330	24.24	-7.12

## Portugal

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	8 159	4 739	4 766	4 700	4 500	-44.85	-4.26
Tungsten	(t)	1 436	549	743	435	693	-51.74	59.31
Copper	(t)	114 515	99 472	76 300	99 472	77 227	-32.56	-22.36
Lithium	(t)	200	135	91	130	191	-4.50	46.92
Tin	(t)	2 958	2 163	1 227	2 163	361	-87.80	-83.31
Silver	(kg)	31 880	26 450	20 430	23 100	19 500	-38.83	-15.58

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Baryte	(t)	0	0	100	25	24	.	-4.00
Diatomite	(t)	785	785	655	387	200	-74.52	-48.32
Feldspar	(t)	80 794	114 687	119 837	112 923	141 125	74.67	24.97
Gypsum	(t)	570 000	569 519	567 000	565 000	834 905	46.47	47.77
Kaolin	(t)	216 000	221 296	135 500	146 592	150 193	-30.47	2.46
Salt	(t)	597 065	558 807	584 516	625 785	604 969	1.32	-3.33
Talc	(t)	9 752	6 554	17 761	8 362	1 328	-86.38	-84.12
Uranium	(t)	19	12	15	5	4	-78.95	-20.00

**Remarks:**

Titanium: not available.

## Puerto Rico

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Salt	(t)	36 000	36 000	35 000	35 000	34 800	-3.33	-0.57

## Qatar

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Sulfur	(t)	47 000	46 000	45 500	45 000	44 500	-5.32	-1.11
Nat.Gas (Mio m3)		13 700	13 500	13 300	13 200	13 000	-5.11	-1.52
Oil	(t)	30 400 000	32 988 700	35 100 000	37 000 000	34 000 000	11.84	-8.11

## Ras Al-Khaimah (UAE)

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Oil	(t)	47 414	25 550	52 176	48 850	45 378	-4.29	-7.11

## Romania

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	113 605	82 478	81 768	62 626	60 000	-47.19	-4.19
Manganese	(t)	20 012	13 312	7 369	13 550	12 000	-40.04	-11.44
Bauxite	(t)	135 200	136 000	135 000	134 000	132 000	-2.37	-1.49
Copper	(t)	14 378	17 155	11 850	15 935	13 453	-6.43	-15.58

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Lead	(t)	6 540	7 612	13 338	18 180	19 000	190.52	4.51
Zinc	(t)	25 052	31 020	48 024	58 285	50 000	99.58	-14.21
Gold	(kg)	1 000	1 500	2 000	2 500	3 000	200.00	20.00
Silver	(kg)	18 000	17 800	17 500	17 300	15 000	-16.67	-13.29
Baryte	(t)	6 644	4 579	4 266	2 849	2 500	-62.37	-12.25
Bentonite	(t)	18 042	12 590	35 789	23 779	15 402	-14.63	-35.23
Diatomite	(t)	2 657	1 992	9 712	6 517	20 128	657.55	208.85
Feldspar	(t)	37 010	36 473	38 361	43 047	50 864	37.43	18.16
Graphite	(t)	1 951	1 041	1 251	1 176	1 001	-48.69	-14.88
Kaolin	(t)	24 742	25 496	20 188	21 979	22 514	-9.00	2.43
Salt	(t)	2 200 037	2 196 759	2 307 482	2 224 890	2 200 000	0.00	-1.12
Sulfur	(t)	100 000	70 000	40 000	20 099	20 000	-80.00	-0.49
Talc	(t)	8 133	9 039	7 850	7 237	7 292	-10.34	0.76
Hard-Coal	(t)	3 200 900	2 750 843	3 037 344	3 525 921	5 700 000	78.07	61.66
Lignite	(t)	22 690 100	20 130 300	26 043 100	29 754 222	30 189 000	33.05	1.46
Nat.Gas (Mio m3)		13 700	14 511	14 606	14 460	13 425	-2.01	-7.16
Oil	(t)	6 600 000	6 131 000	6 029 000	6 001 100	5 840 000	-11.52	-2.68

## Russia (Asia)

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	6 760 050	7 685 700	8 143 850	7 667 000	7 873 000	16.46	2.69
Cobalt	(t)	2 560	2 640	2 800	4 000	3 360	31.25	-16.00
Molybdenum	(t)	1 920	2 304	2 400	2 304	2 208	15.00	-4.17
Nickel	(t)	225 000	234 000	211 500	220 500	211 500	-6.00	-4.08
Tungsten	(t)	2 250	2 975	3 145	3 315	3 400	51.11	2.56
Aluminium	(t)	246 500	265 700	288 400	309 100	317 800	28.92	2.81
Antimony	(t)	4 000	4 000	5 000	3 000	2 900	-27.50	-3.33
Arsenic	(t)	1 200	1 100	1 000	950	900	-25.00	-5.26
Bismuth	(t)	35	30	28	26	25	-28.57	-3.85
Cadmium	(t)	800	900	750	925	925	15.63	0.00
Copper	(t)	360 500	515 900	576 800	609 700	590 800	63.88	-3.10
Germanium	(t)	7	6	6	5	5	-28.57	0.00
Lead	(t)	18 240	53 050	49 445	57 600	51 840	184.21	-10.00
Lithium	(t)	750	700	680	650	630	-16.00	-3.08
Mercury	(t)	50	40	20	20	18	-64.00	-10.00
Tin	(t)	4 500	4 500	5 200	5 000	5 000	11.11	0.00
Zinc	(t)	101 200	203 553	212 102	219 120	225 280	122.61	2.81
Gold	(kg)	96 720	117 180	133 920	144 150	159 030	64.42	10.32
Platinum	(kg)	24 000	25 600	28 000	32 000	48 000	100.00	50.00
Silver	(kg)	315 000	337 500	565 200	561 600	711 000	125.71	26.60

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



Asbestos	(t)	130 000	134 000	158 000	147 000	150 000	15.38	2.04
Baryte	(t)	54 000	49 500	47 700	46 800	45 000	-16.67	-3.85
Bentonite	(t)	250 000	240 000	230 000	220 000	200 000	-20.00	-9.09
Diam. (Gem)	(c)	10 500 000	11 500 000	15 800 000	20 500 000	20 000 000	90.48	-2.44
Diam. (Ind)	(c)	10 500 000	11 500 000	15 800 000	20 500 000	20 000 000	90.48	-2.44
Feldspar	(t)	48 000	51 000	51 600	51 600	51 000	6.25	-1.16
Fluorspar	(t)	225 000	180 000	302 400	306 000	288 000	28.00	-5.88
Magnesite	(t)	200 000	240 000	250 000	260 000	150 000	-25.00	-42.31
Talc	(t)	115 000	110 000	105 000	100 000	95 000	-17.39	-5.00
Hard-Coal	(t)	153 920 000	180 700 000	178 000 000	183 000 000	180 000 000	16.94	-1.64
Lignite	(t)	69 102 000	75 060 000	72 000 000	77 400 000	68 000 000	-1.59	-12.14
Nat.Gas (Mio m3)		59 101	59 100	58 400	55 100	59 500	0.68	7.99
Oil	(t)	34 339 680	30 500 000	32 300 000	33 700 000	36 600 000	6.58	8.61
Uranium	(t)	2 358	2 120	2 358	2 342	3 419	45.00	45.99

## Russia (Europe)

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	33 004 950	37 524 300	39 761 150	37 433 000	38 437 000	16.46	2.68
Chromium	(t)	58 500	45 000	44 000	43 000	42 000	-28.21	-2.33
Cobalt	(t)	640	660	700	1 000	840	31.25	-16.00
Molybdenum	(t)	80	96	100	96	92	15.00	-4.17
Nickel	(t)	25 000	26 000	23 500	24 500	23 500	-6.00	-4.08
Titanium	(t)	22 000	24 000	25 000	25 500	25 500	15.91	0.00
Tungsten	(t)	450	525	555	585	600	33.33	2.56
Vanadium	(t)	9 000	9 000	8 700	8 500	4 000	-55.56	-52.94
Aluminium	(t)	2 218 500	2 391 300	2 595 600	2 782 900	2 860 200	28.92	2.78
Bauxite	(t)	3 450 000	4 513 000	5 000 000	4 805 000	4 579 000	32.72	-4.70
Copper	(t)	154 500	221 100	247 200	261 300	253 200	63.88	-3.10
Lead	(t)	760	2 210	2 060	2 400	2 160	184.21	-10.00
Zinc	(t)	13 800	27 757	28 923	29 880	30 720	122.61	2.81
Gold	(kg)	7 280	8 820	10 080	10 850	11 970	64.42	10.32
Platinum	(kg)	6 000	6 400	7 000	8 000	12 000	100.00	50.00
Silver	(kg)	35 000	37 500	62 800	62 400	79 000	125.71	26.60
Asbestos	(t)	520 000	536 000	632 000	588 000	600 000	15.38	2.04
Baryte	(t)	6 000	5 500	5 300	5 200	5 000	-16.67	-3.85
Bentonite	(t)	1 000 000	960 000	920 000	880 000	800 000	-20.00	-9.09
Feldspar	(t)	32 000	34 000	34 400	34 400	34 000	6.25	-1.16
Fluorspar	(t)	25 000	20 000	33 600	34 000	32 000	28.00	-5.88
Graphite	(t)	6 500	6 300	6 100	6 000	5 900	-9.23	-1.67
Gypsum	(t)	600 000	580 000	550 000	540 000	520 000	-13.33	-3.70
Kaolin	(t)	1 400 000	1 500 000	1 600 000	1 600 000	1 500 000	7.14	-6.25

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Magnesite	(t)	1 800 000	2 160 000	2 250 000	2 340 000	1 350 000	-25.00	-42.31
Perlite	(t)	70 000	65 000	63 000	62 000	60 000	-14.29	-3.23
Phosphate	(t)	1 425 000	1 800 000	2 600 000	3 243 000	3 300 000	131.58	1.76
Potash	(t)	3 500 000	4 050 000	3 680 000	3 750 000	4 400 000	25.71	17.33
Salt	(t)	1 500 000	2 000 000	1 300 000	1 200 000	1 800 000	20.00	50.00
Sulfur	(t)	3 670 000	4 000 000	4 100 000	4 000 000	4 100 000	11.72	2.50
Talc	(t)	115 000	110 000	105 000	100 000	95 000	-17.39	-5.00
Vermiculite	(t)	30 000	28 000	27 000	26 000	25 000	-16.67	-3.85
Lignite	(t)	7 678 000	8 340 000	8 000 000	8 600 000	7 600 000	-1.02	-11.63
Nat.Gas (Mio m3)		531 914	531 900	525 600	495 900	535 500	0.67	7.99
Oil	(t)	309 057 120	274 500 000	290 700 000	303 300 000	329 400 000	6.58	8.61
Oil-Shale	(t)	2 000 000	1 800 000	1 700 000	1 600 000	1 500 000	-25.00	-6.25

## Rwanda

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Tantalum-Col.	(t)	260	265	270	275	96	-63.08	-65.09
Tungsten	(t)	75	73	70	68	212	182.67	211.76
Tin	(t)	140	150	160	170	289	106.43	70.00
Gold	(kg)	120	100	90	85	80	-33.33	-5.88

## Saudi Arabia

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	100 000	132 810	141 000	235 000	224 700	124.70	-4.38
Copper	(t)	782	821	837	839	1 911	144.37	127.77
Zinc	(t)	3 550	3 161	3 047	1 911	1 209	-65.94	-36.73
Gold	(kg)	5 099	4 580	3 637	4 239	4 208	-17.47	-0.73
Silver	(kg)	13 844	10 472	9 390	9 548	11 960	-13.61	25.26
Baryte	(t)	5 479	13 200	15 859	15 000	15 000	173.77	0.00
Feldspar	(t)	10 000	15 000	21 100	25 000	37 000	270.00	48.00
Gypsum	(t)	1 112 751	986 495	1 208 071	1 000 000	1 488 000	33.72	48.80
Kaolin	(t)	7 100	7 500	7 500	7 500	2 000	-71.83	-73.33
Salt	(t)	200 000	400 000	700 000	1 000 000	1 348 000	574.00	34.80
Sulfur	(t)	1 500 000	1 800 000	2 000 000	2 100 000	2 200 000	46.67	4.76
Nat.Gas (Mio m3)		43 000	42 000	49 000	40 700	50 500	17.44	24.08
Oil	(t)	404 100 000	388 559 962	439 800 000	378 700 000	407 200 000	0.77	7.53

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Senegal

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gold	(kg)	600	630	640	650	600	0.00	-7.69
Phosphate	(t)	589 000	700 878	685 900	649 040	760 000	29.03	17.10
Salt	(t)	60 000	65 000	68 000	69 000	70 000	16.67	1.45
Nat.Gas	(Mio m3)	24	23	22	21	20	-16.67	-4.76

## Seychellen

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Guano	(t)	800	750	720	700	680	-15.00	-2.86

## Sharjah (UAE)

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Nat.Gas	(Mio m3)	4 700	4 400	4 200	7 215	7 400	57.45	2.56
Oil	(t)	395 590	365 000	435 330	407 330	378 610	-4.29	-7.05

## Sierra Leone

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Titanium	(t)	184 790	190 000	192 000	195 000	196 000	6.07	0.51
Gold	(kg)	370	360	365	370	373	0.81	0.81
Diam. (Gem)	(c)	201 000	214 400	176 812	117 375	100 500	-50.00	-14.38
Diam. (Ind)	(c)	99 000	105 600	117 375	106 812	49 500	-50.00	-53.66

## Slovakia

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	262 416	255 200	255 356	238 075	174 570	-33.48	-26.67
Aluminium	(t)	108 006	106 000	105 000	100 000	99 000	-8.34	-1.00
Copper	(t)	670	124	110	110	100	-85.07	-9.09
Gold	(kg)	340	302	306	157	78	-77.06	-50.32
Silver	(kg)	436	287	178	98	95	-78.21	-3.06
Baryte	(t)	15 300	31 600	30 300	34 000	25 820	68.76	-24.06
Bentonite	(t)	81 010	60 000	75 000	80 000	65 500	-19.15	-18.13
Diatomite	(t)	2 500	2 300	2 000	1 000	950	-62.00	-5.00
Gypsum	(t)	128 000	117 000	125 000	170 000	121 700	-4.92	-28.41
Kaolin	(t)	22 000	22 930	21 170	35 000	24 600	11.82	-29.71
Magnesite	(t)	877 800	917 700	1 000 700	1 239 000	930 000	5.95	-24.94
Perlite	(t)	24 000	19 200	16 700	19 000	18 630	-22.38	-1.95
Salt	(t)	102 200	99 900	99 400	123 000	97 400	-4.70	-20.81
Talc	(t)	21 200	21 000	18 000	20 000	2 290	-89.20	-88.55
Lignite	(t)	3 890 000	3 742 262	3 648 376	3 064 000	3 406 000	-12.44	11.16
Nat.Gas (Mio m3)		311	218	227	170	212	-31.83	24.71
Oil	(t)	46 000	60 264	56 892	58 000	51 920	12.87	-10.48

## Slovenia

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Aluminium	(t)	73 803	77 200	83 800	76 632	87 600	18.69	14.31
Bentonite	(t)	0	0	0	0	201	.	.
Salt	(t)	0	0	0	0	138	.	.
Lignite	(t)	4 891 287	3 804 000	3 743 000	3 450 000	4 684 709	-4.22	35.79
Nat.Gas (Mio m3)		8	6	6	6	57	612.50	850.00
Oil	(t)	854	711	695	685	613	-28.22	-10.51

### Remarks:

Mercury: mine is closing down; periodical Hg-production less than 1t.

## Solomon Islands

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gold	(kg)	142	343	155	150	140	-1.41	-6.67
Silver	(kg)	3	2	1	1	1	-66.67	0.00

## Somalia

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gypsum	(t)	700	650	620	600	580	-17.14	-3.33
Salt	(t)	2 700	2 500	2 300	2 000	1 900	-29.63	-5.00

## South Africa, Republic of

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	19 779 000	19 179 346	21 909 787	22 620 000	23 714 610	19.90	4.84
Chromium	(t)	2 786 400	2 999 502	2 913 132	2 420 880	2 831 728	1.63	16.97
Cobalt	(t)	296	306	412	371	350	18.24	-5.66
Manganese	(t)	1 308 920	1 342 457	1 599 588	1 437 040	1 461 524	11.66	1.70
Nickel	(t)	36 700	36 202	36 637	36 400	38 546	5.03	5.90
Titanium	(t)	1 100 000	1 200 000	1 394 877	1 400 000	1 450 000	31.82	3.57
Vanadium	(t)	17 159	17 612	18 021	18 500	18 600	8.40	0.54
Aluminium	(t)	692 500	689 230	674 167	663 000	664 000	-4.12	0.15
Antimony	(t)	4 243	5 278	6 347	4 872	4 700	10.77	-3.53
Copper	(t)	166 000	144 163	137 000	141 900	129 589	-21.93	-8.68
Lead	(t)	84 100	80 191	75 280	50 700	55 000	-34.60	8.48
Zinc	(t)	69 600	69 733	62 990	61 200	64 173	-7.80	4.86
Gold	(kg)	464 200	451 184	428 221	394 765	399 200	-14.00	1.12
Platinum	(kg)	180 000	216 479	206 770	129 746	133 800	-25.67	3.12
Silver	(kg)	144 500	151 960	144 231	109 570	116 920	-19.09	6.71
Asbestos	(t)	27 200	18 322	18 782	13 393	13 400	-50.74	0.05
Baryte	(t)	600	2 844	1 628	1 200	1 100	83.33	-8.33
Bentonite	(t)	48 400	49 261	112 637	115 000	117 000	141.74	1.74
Diam. (Gem)	(c)	4 302 400	4 008 800	4 322 123	4 466 966	4 350 452	1.12	-2.61
Diam. (Ind)	(c)	6 453 600	6 013 200	6 483 184	6 700 450	6 525 678	1.12	-2.61
Diatomite	(t)	300	250	230	200	190	-36.67	-5.00
Feldspar	(t)	56 800	59 300	66 700	70 000	72 000	26.76	2.86
Fluorspar	(t)	228 600	217 500	212 709	286 400	227 000	-0.70	-20.74
Gypsum	(t)	485 700	505 400	413 000	382 800	380 000	-21.76	-0.73

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Kaolin	(t)	101 300	123 200	120 000	140 000	140 000	38.20	0.00
Magnesite	(t)	74 300	63 700	97 446	98 000	99 000	33.24	1.02
Perlite	(t)	630	600	590	580	560	-11.11	-3.45
Phosphate	(t)	2 700 000	2 957 000	2 796 225	2 550 000	2 913 000	7.89	14.24
Salt	(t)	356 100	388 400	345 632	350 000	355 000	-0.31	1.43
Sulfur	(t)	451 900	409 000	451 677	500 000	520 000	15.07	4.00
Talc	(t)	22 832	17 900	5 600	5 000	4 800	-78.98	-4.00
Vermiculite	(t)	221 300	217 800	208 835	156 600	150 000	-32.22	-4.21
Zircon	(t)	260 000	217 820	367 552	400 000	420 000	61.54	5.00
Hard-Coal	(t)	224 580 000	223 357 000	224 100 000	224 182 000	224 921 473	0.15	0.33
Uranium	(t)	1 138	1 093	1 000	1 256	1 177	3.43	-6.29

## Spain

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	520 000	640 000	670 000	680 000	650 000	25.00	-4.41
Aluminium	(t)	360 400	363 900	365 000	376 400	380 000	5.44	0.96
Cadmium	(t)	196	190	180	100	0	-100.00	-100.00
Copper	(t)	37 185	30 000	23 600	10 900	12 000	-67.73	10.09
Lead	(t)	19 000	28 000	58 500	35 600	6 200	-67.37	-82.58
Mercury	(t)	672	433	236	524	726	8.04	38.55
Tin	(t)	5	11	1	1	3	-40.00	200.00
Zinc	(t)	128 000	155 000	200 200	160 700	64 900	-49.30	-59.61
Gold	(kg)	3 295	5 081	4 310	4 400	5 512	67.28	25.27
Silver	(kg)	63 000	129 000	221 000	89 000	3 000	-95.24	-96.63
Baryte	(t)	83 000	61 400	22 000	44 000	41 000	-50.60	-6.82
Bentonite	(t)	110 000	190 000	160 000	210 000	100 000	-9.09	-52.38
Diatomite	(t)	36 000	50 000	55 000	57 000	50 000	38.89	-12.28
Feldspar	(t)	429 000	450 000	550 000	650 000	700 000	63.17	7.69
Fluorspar	(t)	135 000	142 000	135 000	126 000	134 000	-0.74	6.35
Gypsum	(t)	9 250 000	9 450 000	9 500 000	9 600 000	12 000 000	29.73	25.00
Kaolin	(t)	310 000	320 000	450 000	460 000	515 000	66.13	11.96
Magnesite	(t)	170 000	211 000	160 000	214 000	185 000	8.82	-13.55
Potash	(t)	597 000	656 000	653 000	569 000	407 000	-31.83	-28.47
Salt	(t)	3 699 000	3 750 000	5 500 000	3 900 000	3 490 000	-5.65	-10.51
Sulfur	(t)	750 000	760 000	770 000	780 000	790 000	5.33	1.28
Talc	(t)	385 000	250 000	121 000	115 000	97 000	-74.81	-15.65
Hard-Coal	(t)	16 321 000	15 420 000	14 965 000	13 967 000	9 751 000	-40.25	-30.19
Lignite	(t)	9 750 000	10 461 000	11 733 000	8 718 000	12 283 000	25.98	40.89
Nat.Gas (Mio m3)		112	143	179	556	551	391.96	-0.90
Oil	(t)	535 000	306 000	233 000	344 000	324 000	-39.44	-5.81
Uranium	(t)	351	363	401	350	54	-84.62	-84.57

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Sri Lanka

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Titanium	(t)	19 917	36 550	37 000	36 800	36 500	83.26	-0.82
Rare Earths	(t)	100	90	90	85	80	-20.00	-5.88
Feldspar	(t)	25 274	26 012	28 638	27 000	28 000	10.79	3.70
Graphite	(t)	5 260	3 500	5 902	6 500	6 800	29.28	4.62
Kaolin	(t)	13 172	13 500	12 230	12 000	11 800	-10.42	-1.67
Phosphate	(t)	12 784	20 000	34 443	40 000	42 000	228.54	5.00
Salt	(t)	126 000	130 000	70 107	65 000	60 000	-52.38	-7.69
Zircon	(t)	8 814	8 500	1 200	1 000	900	-89.79	-10.00

## Sudan

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Chromium	(t)	14 000	11 424	26 160	30 000	32 000	128.57	6.67
Gold	(kg)	6 000	5 565	5 773	5 800	6 000	0.00	3.45
Gypsum	(t)	15 000	11 144	13 808	15 000	16 000	6.67	6.67
Salt	(t)	80 000	117 148	86 599	85 000	83 000	3.75	-2.35

## Suriname

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Aluminium	(t)	27 100	30 000	32 000	33 000	35 000	29.15	6.06
Bauxite	(t)	3 890 000	3 900 000	4 000 000	4 200 000	4 400 000	13.11	4.76
Oil	(t)	260 793	391 188	395 000	398 000	400 000	53.38	0.50

## Swaziland

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Asbestos	(t)	27 700	22 912	12 700	10 000	9 500	-65.70	-5.00
Diam. (Gem)	(c)	13 200	12 000	11 000	11 000	12 000	-9.09	9.09
Diam. (Ind)	(c)	52 800	48 000	44 000	44 000	48 000	-9.09	9.09
Hard-Coal	(t)	410 000	426 299	378 000	375 000	370 000	-9.76	-1.33

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Sweden

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	13 461 760	12 096 000	13 719 680	10 539 000	12 262 000	-8.91	16.35
Aluminium	(t)	95 700	95 000	94 700	94 000	90 000	-5.96	-4.26
Copper	(t)	73 685	71 160	77 765	74 269	71 991	-2.30	-3.07
Lead	(t)	114 430	116 393	106 584	85 975	42 954	-62.46	-50.04
Zinc	(t)	164 711	174 448	176 788	156 334	148 620	-9.77	-4.93
Gold	(kg)	5 944	4 202	3 570	4 986	5 757	-3.15	15.46
Silver	(kg)	299 051	341 584	328 737	306 029	320 823	7.28	4.83
Feldspar	(t)	33 000	34 000	35 000	40 000	37 000	12.12	-7.50
Graphite	(t)	3 277	4 144	5 108	963	0	-100.00	-100.00
Talc	(t)	24 000	19 000	20 000	14 000	20 000	-16.67	42.86

## Switzerland

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Aluminium	(t)	32 100	34 400	35 500	45 000	50 000	55.76	11.11
Gypsum	(t)	274 300	298 700	135 800	200 000	300 000	9.37	50.00
Salt	(t)	400 900	540 800	310 000	300 000	350 000	-12.70	16.67

## Syria

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gypsum	(t)	290 355	295 000	333 260	290 001	350 746	20.80	20.95
Phosphate	(t)	748 236	638 017	648 834	866 523	744 875	-0.45	-14.04
Salt	(t)	78 757	72 710	106 130	190 012	146 097	85.50	-23.11
Nat.Gas (Mio m3)		3 100	2 647	2 535	4 000	6 418	107.03	60.45
Oil	(t)	29 500 000	28 697 920	27 380 000	27 700 000	24 790 000	-15.97	-10.51

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



## Taiwan

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Kaolin	(t)	0	0	0	8 921	18 403	.	106.29
Salt	(t)	300 000	250 000	230 000	252 555	147 895	-50.70	-41.44
Sulfur	(t)	184 324	190 000	195 000	223 659	230 000	24.78	2.84
Talc	(t)	7 750	8 000	8 300	7 500	6 000	-22.58	-20.00
Hard-Coal	(t)	79 310	75 000	73 000	44 380	30 000	-62.17	-32.40
Nat.Gas (Mio m3)		870	900	930	849	887	1.95	4.48

## Tajikistan

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Aluminium	(t)	195 600	229 100	300 000	324 000	307 589	57.25	-5.07
Antimony	(t)	995	1 000	1 200	2 500	2 700	171.36	8.00
Bismuth	(t)	5	5	4	3	3	-40.00	0.00
Lead	(t)	800	1 000	1 500	2 000	2 200	175.00	10.00
Mercury	(t)	35	35	40	40	35	0.00	-12.50
Gold	(kg)	3 200	2 700	3 000	2 700	2 528	-21.00	-6.37
Gypsum	(t)	200 000	190 000	110 000	70 000	49 700	-75.15	-29.00
Hard-Coal	(t)	20 000	16 500	21 300	27 500	35 500	77.50	29.09
Nat.Gas (Mio m3)		36	40	39	38	33	-8.33	-13.16
Oil	(t)	25 000	20 000	18 427	26 200	16 100	-35.60	-38.55

## Tanzania

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gold	(kg)	427	4 767	15 060	30 088	42 300	9806.32	40.59
Diam. (Gem)	(c)	81 033	199 580	269 450	162 350	255 000	214.69	57.07
Diam. (Ind)	(c)	14 300	35 220	47 550	28 650	45 000	214.69	57.07
Graphite	(t)	250	230	220	200	200	-20.00	0.00
Kaolin	(t)	1 200	1 500	1 600	1 700	1 800	50.00	5.88
Phosphate	(t)	850	900	930	950	970	14.12	2.11
Salt	(t)	82 000	80 000	78 000	76 000	75 500	-7.93	-0.66
Hard-Coal	(t)	100 000	90 000	85 000	80 000	78 000	-22.00	-2.50

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Thailand

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	90 700	122 633	150 000	50 000	57 110	-37.03	14.22
Manganese	(t)	52	721	225	45	0	-100.00	-100.00
Tungsten	(t)	61	54	54	92	53	-13.11	-42.39
Antimony	(t)	442	130	77	40	3	-99.32	-92.50
Lead	(t)	6 445	9 989	10 399	800	6 500	0.85	712.50
Tin	(t)	2 028	3 400	2 363	2 383	1 384	-31.76	-41.92
Zinc	(t)	25 200	24 000	23 900	17 733	30 373	20.53	71.28
Gold	(kg)	25	0	0	313	4 950	****.**	1481.47
Baryte	(t)	96 421	68 012	49 220	2 879	114 754	19.01	3885.90
Bentonite	(t)	5 806	4 535	2 100	200	1 700	-70.72	750.00
Diatomite	(t)	912	2 332	720	720	780	-14.47	8.33
Feldspar	(t)	325 289	398 558	325 064	695 745	730 381	124.53	4.98
Fluorspar	(t)	3 743	13 005	4 745	3 020	2 270	-39.35	-24.83
Gypsum	(t)	4 333 804	5 005 173	5 860 326	6 190 814	6 325 591	45.96	2.18
Kaolin	(t)	248 461	113 005	201 226	168 063	127 132	-48.83	-24.35
Phosphate	(t)	3 029	3 880	3 260	2 359	3 680	21.49	56.00
Salt	(t)	546 096	540 000	792 250	852 565	908 968	66.45	6.62
Talc	(t)	21 720	4 960	7 390	6 838	1 702	-92.16	-75.11
Zircon	(t)	0	0	50	0	0	.	.
Lignite	(t)	20 161 721	18 266 308	17 713 753	19 616 996	19 601 984	-2.78	-0.08
Nat.Gas (Mio m3)		17 614	19 195	20 193	19 632	20 568	16.77	4.77
Oil	(t)	1 523 846	1 717 223	2 984 262	3 230 334	3 957 435	159.70	22.51

## Togo

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Phosphate	(t)	850 700	620 830	495 940	384 444	398 200	-53.19	3.58

## Trinidad and Tobago

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Nat.Gas (Mio m3)		9 581	9 700	9 800	10 000	9 800	2.29	-2.00
Oil	(t)	6 387 630	6 489 700	6 930 418	7 800 000	7 200 000	12.72	-7.69

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Tunisia

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	118 800	119 880	98 820	95 000	94 000	-20.88	-1.05
Lead	(t)	7 000	10 000	11 000	8 000	8 000	14.29	0.00
Zinc	(t)	33 630	52 510	44 250	41 000	37 000	10.02	-9.76
Silver	(kg)	400	350	330	370	380	-5.00	2.70
Baryte	(t)	9 000	4 000	5 000	5 500	5 600	-37.78	1.82
Fluorspar	(t)	1 000	1 000	950	930	900	-10.00	-3.23
Gypsum	(t)	150 000	155 000	160 000	165 000	167 000	11.33	1.21
Phosphate Salt	(t)	1 430 280	1 441 080	1 494 180	1 459 000	1 361 880	-4.78	-6.66
	(t)	466 000	455 000	620 000	650 000	670 000	43.78	3.08
Nat.Gas (Mio m3)		1 899	1 819	1 985	2 000	2 100	10.58	5.00
Oil	(t)	3 898 000	4 026 000	3 741 000	3 500 000	3 300 000	-15.34	-5.71

## Turkey

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	3 943 237	3 246 841	2 649 567	2 634 356	2 600 000	-34.06	-1.30
Chromium	(t)	604 997	433 658	229 205	163 699	160 000	-73.55	-2.26
Aluminium	(t)	61 800	60 000	58 000	56 000	55 000	-11.00	-1.79
Antimony	(t)	585	550	500	480	460	-21.37	-4.17
Bauxite	(t)	261 076	118 414	261 366	242 040	240 000	-8.07	-0.84
Cadmium	(t)	69	40	38	36	35	-49.28	-2.78
Copper	(t)	50 814	54 053	56 100	43 266	32 600	-35.84	-24.65
Lead	(t)	10 800	5 462	5 600	6 651	7 000	-35.19	5.25
Zinc	(t)	45 795	46 300	34 539	30 000	33 100	-27.72	10.33
Silver	(kg)	82 860	110 000	109 000	108 000	106 000	27.93	-1.85
Baryte	(t)	160 042	150 058	120 893	102 323	160 000	-0.03	56.37
Bentonite	(t)	565 708	899 614	636 273	674 577	680 000	20.20	0.80
Boron	(t)	1 597 367	1 242 228	1 729 676	1 379 581	1 300 000	-18.62	-5.77
Feldspar	(t)	734 311	923 147	773 560	713 908	700 000	-4.67	-1.95
Fluorspar	(t)	5 034	4 812	4 113	1 669	1 500	-70.20	-10.13
Graphite	(t)	18 000	17 000	16 000	15 000	14 000	-22.22	-6.67
Gypsum	(t)	351 557	242 960	230 000	250 000	270 000	-23.20	8.00
Kaolin	(t)	403 733	449 454	595 415	318 055	300 000	-25.69	-5.68

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Magnesite	(t)	2 703 720	2 146 127	2 672 089	2 738 086	2 000 000	-26.03	-26.96
Perlite	(t)	124 312	147 818	149 426	154 515	200 000	60.89	29.44
Salt	(t)	2 169 626	2 146 127	2 126 371	1 785 455	1 600 000	-26.25	-10.39
Sulfur	(t)	70 000	75 000	76 000	78 000	80 000	14.29	2.56
Talc	(t)	3 700	4 000	4 200	4 500	4 700	27.03	4.44
Hard-Coal	(t)	3 336 021	3 024 295	3 330 355	3 639 002	2 600 000	-22.06	-28.55
Lignite	(t)	66 498 602	66 716 568	61 314 974	57 857 175	60 000 000	-9.77	3.70
Nat.Gas (Mio m3)		562	718	612	265	268	-52.31	1.13
Oil	(t)	3 226 873	2 939 479	2 747 630	2 550 876	2 400 000	-25.62	-5.91

## Turkmenistan

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Bentonite	(t)	2 100	2 000	1 919	1 800	1 750	-16.67	-2.78
Gypsum	(t)	2 400	2 200	2 100	2 000	1 900	-20.83	-5.00
Salt	(t)	1 600	1 700	1 800	1 900	2 000	25.00	5.26
Sulfur	(t)	3 400	3 600	3 709	3 900	4 000	17.65	2.56
Nat.Gas (Mio m3)		14 000	22 800	47	51	53	-99.62	3.92
Oil	(t)	6 500 000	7 000 000	6 691 500	8 020 000	9 000 000	38.46	12.22

## Uganda

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Tungsten	(t)	7	32	40	45	48	585.71	6.67
Tin	(t)	1	0	0	0	0	-100.00	.
Gold	(kg)	8 150	4 730	4 410	6 090	7 000	-14.11	14.94
Gypsum	(t)	142	256	300	350	370	160.56	5.71
Kaolin	(t)	100 000	197 140	92 000	90 000	85 000	-15.00	-5.56
Salt	(t)	2 000	1 800	1 700	1 600	1 500	-25.00	-6.25

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Ukraine

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	30 420 000	28 661 400	33 390 000	32 796 000	26 816 000	-11.85	-18.23
Manganese	(t)	1 446 900	1 293 500	1 189 500	1 761 500	1 758 000	21.50	-0.20
Titanium	(t)	250 000	250 000	130 000	90 000	80 000	-68.00	-11.11
Aluminium	(t)	106 700	112 000	103 500	106 093	112 459	5.40	6.00
Mercury	(t)	40	40	38	30	25	-37.50	-16.67
Graphite	(t)	4 500	4 300	4 200	4 000	3 900	-13.33	-2.50
Potash	(t)	60 000	55 000	40 000	30 000	30 000	-50.00	0.00
Salt	(t)	2 500 000	2 300 000	2 000 000	1 800 000	2 333 308	-6.67	29.63
Sulfur	(t)	97 000	95 000	93 000	92 000	91 000	-6.19	-1.09
Vermiculite	(t)	50 000	55 000	57 000	58 000	59 000	18.00	1.72
Zircon	(t)	50 000	30 000	32 000	33 700	35 000	-30.00	3.86
Hard-Coal	(t)	59 395 000	77 659 000	81 050 000	83 900 000	58 721 000	-1.13	-30.01
Lignite	(t)	2 000 000	1 500 000	1 200 000	900 000	762 000	-61.90	-15.33
Nat.Gas (Mio m3)		17 920	18 092	18 000	18 000	19 000	6.03	5.56
Oil	(t)	3 895 000	3 791 000	3 700 000	2 700 000	3 732 500	-4.17	38.24
Uranium	(t)	500	590	600	825	943	88.60	14.30

## United Kingdom

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	276	230	130	281	255	-7.61	-9.25
Aluminium	(t)	258 400	272 211	305 099	340 778	344 318	33.25	1.04
Cadmium	(t)	440	547	503	425	292	-33.64	-31.29
Lead	(t)	1 600	1 000	1 000	800	700	-56.25	-12.50
Tin	(t)	400	100	0	0	0	-100.00	.
Baryte	(t)	64 000	59 000	54 000	66 000	59 000	-7.81	-10.61
Bentonite	(t)	138 000	135 000	65 500	52 000	44 000	-68.12	-15.38
Diatomite	(t)	0	0	0	0	3 000	.	.
Feldspar	(t)	6 500	6 300	3 645	2 995	3 000	-53.85	0.17
Fluorspar	(t)	65 000	40 000	36 000	50 000	53 000	-18.46	6.00
Gypsum	(t)	2 000 000	1 800 000	1 500 000	1 700 000	1 700 000	-15.00	0.00
Kaolin	(t)	2 400 000	2 303 602	2 376 054	2 000 000	2 162 815	-9.88	8.14
Potash	(t)	640 544	520 520	631 700	562 210	540 100	-15.68	-3.93
Salt	(t)	5 500 000	5 700 000	5 900 000	6 100 000	6 100 000	10.91	0.00
Sulfur	(t)	130 000	136 000	140 000	111 000	125 000	-3.85	12.61
Talc	(t)	5 000	6 256	4 832	4 947	5 000	0.00	1.07

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

Hard-Coal	(t)	41 428 000	37 077 000	31 198 000	31 930 000	30 039 000	-27.49	-5.92
Nat.Gas (Mio m3)		93 800	98 893	115 033	112 803	109 512	16.75	-2.92
Oil	(t)	138 900 000	128 262 000	117 882 000	108 387 000	107 400 000	-22.68	-0.91

## United States

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	37 926 000	36 381 870	39 690 000	20 962 557	32 489 100	-14.34	54.99
Molybdenum	(t)	53 500	40 695	31 600	37 600	32 600	-39.07	-13.30
Nickel	(t)	4 290	0	0	0	0	-100.00	.
Titanium	(t)	400 000	300 000	300 000	300 000	400 000	0.00	33.33
Tungsten	(t)	100	0	0	0	0	-100.00	.
Vanadium	(t)	2 000	1 800	1 893	1 900	2 000	0.00	5.26
Aluminium	(t)	3 712 690	3 779 000	3 668 000	2 637 000	2 700 000	-27.28	2.39
Antimony	(t)	242	449	340	300	290	19.83	-3.33
Cadmium	(t)	1 880	1 800	1 890	1 400	700	-62.77	-50.00
Copper	(t)	1 959 367	1 602 247	1 590 000	1 359 988	1 140 000	-41.82	-16.18
Germanium	(t)	22	20	23	20	20	-9.09	0.00
Lead	(t)	481 000	503 000	405 537	453 963	440 000	-8.52	-3.08
Lithium	(t)	2 500	2 000	1 800	1 300	1 500	-40.00	15.38
Rare Earths	(t)	10 000	5 000	5 000	5 000	5 000	-50.00	0.00
Tellurium	(t)	90	80	80	80	80	-11.11	0.00
Zinc	(t)	755 000	807 876	828 000	799 063	780 000	3.31	-2.39
Gold	(kg)	366 000	341 000	354 000	335 285	298 100	-18.55	-11.09
Platinum	(kg)	13 810	12 700	13 100	3 608	4 390	-68.21	21.67
Silver	(kg)	2 060 000	1 950 000	2 259 000	1 735 606	1 420 000	-31.07	-18.18
Asbestos	(t)	5 760	7 190	5 798	5 260	2 720	-52.78	-48.29
Baryte	(t)	660 000	434 000	391 865	400 183	419 800	-36.39	4.90
Bentonite	(t)	3 820 000	4 069 996	3 405 260	3 817 049	3 970 700	3.95	4.03
Boron	(t)	1 170 000	1 220 000	1 072 000	1 052 000	1 000 000	-14.53	-4.94
Diatomite	(t)	725 000	746 695	677 000	644 000	624 000	-13.93	-3.11
Feldspar	(t)	820 000	875 000	789 889	800 000	790 000	-3.66	-1.25
Fluorspar	(t)	10 000	10 000	9 000	7 000	7 000	-30.00	0.00
Gypsum	(t)	18 500 000	22 400 000	25 000 000	16 293 982	15 700 000	-15.14	-3.65
Kaolin	(t)	9 450 000	9 160 609	8 291 018	9 029 600	8 008 000	-15.26	-11.31
Perlite	(t)	685 000	711 000	625 250	611 000	638 000	-6.86	4.42
Phosphate	(t)	12 900 000	11 767 000	11 200 000	11 200 000	10 700 000	-17.05	-4.46
Potash	(t)	1 300 000	1 300 000	1 300 000	1 200 000	1 300 000	0.00	8.33
Salt	(t)	40 763 000	44 926 000	45 300 000	44 808 380	40 300 000	-1.14	-10.06
Sulfur	(t)	10 020 000	9 800 000	9 400 000	8 257 000	9 270 000	-7.49	12.27
Talc	(t)	971 000	925 000	469 544	853 000	775 000	-20.19	-9.14
Vermiculite	(t)	180 000	175 456	175 000	116 000	115 000	-36.11	-0.86
Zircon	(t)	70 000	65 000	100 000	100 000	100 000	42.86	0.00

Abbreviations: see Explanation; Abkürzungen: siehe Einleitende Bemerkungen

Hard-Coal	(t)	934 200 000	992 500 000	975 700 000	1 017 300 000	918 700 000	-1.66	-9.69
Lignite	(t)	50 000 000	60 000 000	62 000 000	65 000 000	67 000 000	34.00	3.08
Nat.Gas (Mio m3)		534 400	530 000	543 400	548 500	551 700	3.24	0.58
Oil	(t)	402 000 000	354 700 000	351 800 000	351 700 000	350 100 000	-12.91	-0.45
Uranium	(t)	2 207	2 130	1 769	1 202	1 088	-50.70	-9.48

## Uruguay

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	2 500	3 837	6 000	9 743	7 768	210.72	-20.27
Bentonite	(t)	65	120	130	125	70	7.69	-44.00
Feldspar	(t)	2 700	1 556	1 500	3 522	1 550	-42.59	-55.99
Gypsum	(t)	80 000	60 000	40 000	10 000	8 000	-90.00	-20.00
Talc	(t)	1 700	2 904	3 000	1 794	816	-52.00	-54.52

## Uzbekistan

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Molybdenum	(t)	600	500	450	400	380	-36.67	-5.00
Tungsten	(t)	250	200	190	180	170	-32.00	-5.56
Bismuth	(t)	3	3	2	2	2	-33.33	0.00
Copper	(t)	70 000	60 000	80 000	70 000	68 000	-2.86	-2.86
Lead	(t)	900	800	750	650	0	-100.00	-100.00
Zinc	(t)	1 100	1 000	950	800	0	-100.00	-100.00
Gold	(kg)	81 000	86 000	87 000	87 000	87 000	7.41	0.00
Feldspar	(t)	75 000	75 000	76 000	77 000	79 000	5.33	2.60
Fluorspar	(t)	95 000	93 000	92 000	91 000	90 000	-5.26	-1.10
Hard-Coal	(t)	3 010 000	2 900 600	3 000 000	3 000 000	2 900 000	-3.65	-3.33
Nat.Gas (Mio m3)		54 790	55 600	56 400	57 000	57 670	5.26	1.18
Oil	(t)	8 103 700	8 100 000	7 500 000	7 400 000	7 200 000	-11.15	-2.70
Uranium	(t)	2 276	2 360	2 358	2 830	2 311	1.54	-18.34

## Venezuela

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	16 214 192	9 328 344	11 092 014	11 250 262	11 259 209	-30.56	0.08
Nickel	(t)	0	0	2 400	10 600	1 200	.	-88.68
Aluminium	(t)	584 300	580 000	560 000	400 000	594 638	1.77	48.66
Bauxite	(t)	4 825 647	2 123 640	2 181 232	2 257 358	2 631 354	-45.47	16.57
Gold	(kg)	8 808	6 000	4 000	2 493	9 465	7.46	279.66
Diam. (Gem)	(c)	38 724	52 000	43 830	60 000	45 707	18.03	-23.82
Diam. (Ind)	(c)	58 087	78 000	65 750	90 000	61 061	5.12	-32.15
Feldspar	(t)	158 000	156 000	263 760	134 990	146 619	-7.20	8.61
Gypsum	(t)	72 000	41 504	25 000	50 000	60 000	-16.67	20.00
Kaolin	(t)	10 000	11 786	19 434	22 000	24 000	140.00	9.09
Phosphate	(t)	150 000	210 000	298 232	351 081	390 342	160.23	11.18
Salt	(t)	430 000	420 000	400 000	400 000	380 000	-11.63	-5.00
Sulfur	(t)	120 000	110 000	200 000	350 000	370 000	208.33	5.71
Hard-Coal	(t)	6 324 000	6 753 000	8 166 651	7 804 632	8 399 242	32.82	7.62
Nat.Gas (Mio m3)		28 500	30 000	31 000	31 000	28 000	-1.75	-9.68
Oil	(t)	159 300 000	144 824 700	172 900 000	156 900 000	162 800 000	2.20	3.76

## Viet Nam

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Chromium	(t)	2 000	1 800	1 900	2 000	2 200	10.00	10.00
Titanium	(t)	44 550	49 500	50 000	51 000	52 000	16.72	1.96
Tin	(t)	2 770	2 500	2 400	2 300	2 200	-20.58	-4.35
Graphite	(t)	200	150	140	130	120	-40.00	-7.69
Gypsum	(t)	18 000	16 000	15 000	14 000	13 000	-27.78	-7.14
Kaolin	(t)	450	350	300	280	260	-42.22	-7.14
Phosphate	(t)	200 000	221 760	200 320	275 200	300 000	50.00	9.01
Salt	(t)	350 000	330 000	320 000	300 000	290 000	-17.14	-3.33
Hard-Coal	(t)	13 000 000	9 094 000	10 800 000	11 500 000	12 000 000	-7.69	4.35
Nat.Gas (Mio m3)		1 510	3 000	3 200	3 300	3 400	125.17	3.03
Oil	(t)	12 500 000	14 213 000	15 000 000	16 000 000	17 000 000	36.00	6.25

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



## Yemen, Republic of

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Gypsum	(t)	63 000	60 000	59 000	58 000	57 000	-9.52	-1.72
Salt	(t)	125 000	123 000	120 000	190 000	200 000	60.00	5.26
Oil	(t)	19 500 000	21 166 350	20 500 000	20 600 000	21 700 000	11.28	5.34

## Yugoslavia

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	130 000	120 000	100 000	80 000	75 000	-42.31	-6.25
Nickel	(t)	800	200	100	0	0	-100.00	.
Aluminium	(t)	78 000	75 000	72 000	65 000	63 000	-19.23	-3.08
Bauxite	(t)	226 000	220 000	200 000	150 000	130 000	-42.48	-13.33
Cadmium	(t)	80	85	82	0	0	-100.00	.
Copper	(t)	70 900	51 700	46 000	31 000	30 000	-57.69	-3.23
Lead	(t)	16 700	8 600	3 800	4 300	4 500	-73.05	4.65
Zinc	(t)	15 000	3 600	3 300	6 000	6 500	-56.67	8.33
Gold	(kg)	2 684	1 260	1 121	1 100	1 000	-62.74	-9.09
Platinum	(kg)	3	2	1	0	0	-100.00	.
Silver	(kg)	34 500	7 600	9 100	5 700	5 500	-84.06	-3.51
Asbestos	(t)	750	800	780	760	750	0.00	-1.32
Feldspar	(t)	5 000	5 200	5 300	5 200	5 000	0.00	-3.85
Gypsum	(t)	35 000	37 000	38 000	38 000	37 000	5.71	-2.63
Kaolin	(t)	60 000	63 000	64 000	63 000	61 000	1.67	-3.17
Magnesite	(t)	85 000	82 000	80 000	78 000	75 000	-11.76	-3.85
Salt	(t)	18 000	16 000	15 000	14 000	13 000	-27.78	-7.14
Sulfur	(t)	90 000	85 000	82 000	80 000	78 000	-13.33	-2.50
Hard-Coal	(t)	105 000	110 000	112 000	110 000	100 000	-4.76	-9.09
Lignite	(t)	43 600 000	45 000 000	46 000 000	45 000 000	44 000 000	0.92	-2.22
Nat.Gas (Mio m3)		715	730	740	730	720	0.70	-1.37
Oil	(t)	920 000	900 000	880 000	860 000	850 000	-7.61	-1.16

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

## Zaire

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Cobalt	(t)	3 944	0	0	0	0	-100.00	.
Tantalum-Col.	(t)	8	0	0	0	0	-100.00	.
Copper	(t)	35 000	0	0	0	0	-100.00	.
Rare Earths	(t)	3	0	0	0	0	-100.00	.
Zinc	(t)	1 234	0	0	0	0	-100.00	.
Gold	(kg)	134	0	0	0	0	-100.00	.
Diam. (Gem)	(c)	5 200 000	0	0	0	0	-100.00	.
Diam. (Ind)	(c)	20 800 000	0	0	0	0	-100.00	.
Sulfur	(t)	5 000	0	0	0	0	-100.00	.
Oil	(t)	1 100 000	0	0	0	0	-100.00	.

## Zambia

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Cobalt	(t)	4 016	3 802	2 990	4 634	6 303	56.95	36.02
Copper	(t)	282 833	260 223	262 600	298 695	336 385	18.93	12.62
Gold	(kg)	145	145	150	155	158	8.97	1.94
Silver	(kg)	8 239	8 500	8 700	8 800	8 900	8.02	1.14
Sulfur	(t)	28 956	29 000	30 000	28 000	27 000	-6.76	-3.57
Talc	(t)	300	300	280	280	270	-10.00	-3.57
Hard-Coal	(t)	150 000	127 854	200 000	170 636	170 000	13.33	-0.37

## Zimbabwe

		1998	1999	2000	2001	2002	Change 98/02	Change 01/02
Iron	(t)	222 953	359 190	270 382	216 540	195 000	-12.54	-9.95
Chromium	(t)	272 432	294 066	300 619	351 090	337 203	23.78	-3.96
Cobalt	(t)	100	129	79	95	100	0.00	5.26
Nickel	(t)	10 135	9 594	7 122	8 100	8 092	-20.16	-0.10

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen

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Copper	(t)	2 941	4 977	3 143	2 100	2 000	-32.00	-4.76
Lithium	(t)	701	917	948	902	1 260	79.74	39.69
Gold	(kg)	25 175	27 114	22 007	18 005	15 468	-38.56	-14.09
Platinum	(kg)	273	390	504	519	2 306	744.69	344.32
Silver	(kg)	6 881	5 396	3 799	1 768	1 500	-78.20	-15.16
Asbestos	(t)	123 295	87 872	151 954	136 700	167 954	36.22	22.86
Baryte	(t)	1 844	3 140	3 500	3 800	4 000	116.92	5.26
Diam. (Gem)	(c)	8 511	13 795	6 908	6 908	6 750	-20.69	-2.29
Diam. (Ind)	(c)	19 861	31 727	16 120	16 420	15 750	-20.70	-4.08
Feldspar	(t)	2 241	1 915	1 700	1 600	1 500	-33.07	-6.25
Graphite	(t)	13 806	12 321	11 838	11 800	10 000	-27.57	-15.25
Magnesite	(t)	4 321	5 356	5 800	6 000	6 200	43.49	3.33
Phosphate	(t)	27 430	25 429	33 004	26 070	32 356	17.96	24.11
Sulfur	(t)	23 000	22 000	21 000	20 000	19 500	-15.22	-2.50
Talc	(t)	1 039	1 081	2 000	2 200	2 300	121.37	4.55
Vermiculite	(t)	14 804	12 844	12 400	12 200	12 000	-18.94	-1.64
Hard-Coal	(t)	5 048 977	4 977 355	3 986 202	4 064 000	3 721 112	-26.30	-8.44

**Abbreviations:** see Explanation; **Abkürzungen:** siehe Einleitende Bemerkungen



**NICHT LÖSCHEN!**