



GEO-3
Data Compendium

Global
Environment
Outlook 3
Data
Compendium

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ISBN: 92-807-2223-9 for UNEP Paperback GEO-3 Data Compendium

ISBN: 92-807-2222-0 for UNEP GEO-3 Data Compendium CD ROM

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UNEP's third Global Environment Outlook report (GEO-3) was published in May 2002. This Data Compendium presents major statistical data sets underlying the integrated analysis of the environment at global and regional levels in GEO-3. As such, the Data Compendium supports the scientific and empirical nature of the GEO process and provides background information to other assessment programmes and data users. The Data Compendium is a product of the wider GEO data process, being a collaborative effort of UNEP, various other UN organizations and key data partners around the world.

UNEP recognizes the need to have a harmonized collection of core data sets, in order to perform in-depth analysis, derive sound conclusions and present tangible recommendations for improving the environmental decision-making process. Despite the huge volume of data that is now available worldwide, it is evident that serious shortcomings and critical data gaps still persist - in particular in areas relating to the impacts of environmental change on humans and ecosystems, as well as measurements of the impacts of policy responses on the environment, cultural and institutional characteristics of societies. These broader data issues were highlighted in the second edition of GEO (GEO-2000) and further explored in a technical report entitled "Data Issues of Global Environmental Reporting: Experiences from GEO-2000" (UNEP/RIVM1999 – UNEP/DEIA&EW/TR.99-3). A second technical report, drawing on the experience of GEO-3, is under preparation and will help point the way forward towards better observation and monitoring of the global environment and easily-accessible harmonized core databases.

The data in this Compendium have been extracted from the wider GEO Data Portal during May 2002. The GEO Data Portal is the on-line, up-to-date and comprehensive reference data system developed for GEO assessment and reporting purposes. It also allows the user to explore data by means of maps, graphs and tables. Whilst the GEO Data Portal is constantly being updated, this Compendium represents a 'frozen' copy of selected statistics from the Data Portal, specifically produced for the third GEO report.

The Compendium does not only give data for major environmental issues, such as climate change, deforestation or biodiversity, but also for relevant characteristics of the society and economy, including economic growth, energy use, and life expectancy. The data are presented for the GEO regions and sub-regions, as aggregated from national figures by UNEP/DEWA/GRID-Geneva. National statistics are given in cases where there was enough space for the country list of a given variable. The CD-ROM included in this volume gives access to the full compendium tables, that is for all the years available and including all national statistics. The GEO-3 Data Compendium is also available on the Internet at <http://geocompendium.grid.unep.ch>. Still, for additional and up-to-date statistical and geo-spatial data, the reader is directed to the GEO Data Portal at <http://geodata.grid.unep.ch>.

We hope that you find this GEO-3 Data Compendium useful, and would very much welcome any feedback you may have.



Daniel van R. Claasen
Acting Director
Division of Early Warning and Assessment
United Nations Environment Programme

Introduction

About GEO-3

The Global Environment Outlook (GEO) series of reports are the flagship publications of UNEP. They present comprehensive and authoritative reviews and analyses of worldwide environmental conditions and trends, and the policies and policy instruments available to address them. GEO-3 comes 10 years after the Earth Summit held in Rio de Janeiro in 1992 and 30 years after the Stockholm Conference on the Human Environment in 1972. By tracking and analysing important environmental issues over the period 1972-2002, GEO-3 provides an integrated explanation of major trends that have shaped our environmental inheritance.

Continuing the global and regional focus of previous GEO reports, GEO-3 presents the 30-year retrospective analysis of environmental state and trends, and associated policy responses under themes of land, forests, biodiversity, freshwater, coastal and marine areas, atmosphere, urban areas and disasters.

A special focus on human vulnerability to environmental change highlights the increasing risks and impacts on people. The outlook section of the report, spanning the next 30 years, is presented through four scenarios. This innovative approach reveals salutary lessons for all who strive towards a more desirable future.

The GEO-3 Data Compendium - Printed Edition

The GEO-3 Data Compendium aims to provide an overview of national, regional, sub-regional and global statistical data sets used to prepare UNEP's third **Global Environment Outlook (GEO-3)** report. Such data have been made available during the assessment and reporting process for analysis purposes, and have also served as a basis for many graphics in the final GEO-3 report.

What is to be found in this Data Compendium?

The compendium holds data tables for environmental issues as addressed by UNEP's GEO, such as climate change, water stress and deforestation, as well as a wide variety of socio-economic variables. Examples of data sets are CO₂ emissions, water consumption, forest cover change, population growth, land use change and GDP development. Documentation on data sources, definitions and other parameters is also provided in the form of meta-data for each data set. Most of the tables are available for the GEO regions and sub-regions, and for the world as a whole. Where possible, the data cover the time period 1972-2002, which is the time-frame of the retrospective chapter of GEO-3. Because of space constraints, this printed compendium does not feature national statistics in most cases, nor are data for each and every year included. Maps showing the GEO regions and sub-regions are available on the following pages.

The data for the GEO-3 Data Compendium have been extracted from the wider GEO Data Portal available at <http://geodata.grid.unep.ch>, through the GEO-3 site at <http://www.unep.org/geo>¹ or through the UNEP.Net site at <http://www.unep.net>.

Contact information

The GEO-3 Data Compendium was developed by UNEP/DEWA/GRID-Geneva (<http://www.grid.unep.ch>). If you have any questions or remarks about it, please contact geo@grid.unep.ch.

| | |
|------------------------------------|------------------------------------|
| Regional data aggregation: | Andrea de Bono, Ola Nordbeck |
| Meta-data supervision and support: | Gregory Giuliani, Stefan Schwarzer |
| Design and development: | Stéphane Kluser |
| Overall coordination: | Jaap van Woerden |

Acknowledgments

UNEP acknowledges the contributions made by the many individuals and institutions that have contributed to the Data Compendium of the Global Environment Outlook, most notably the GEO Team at UNEP headquarters in Nairobi, the key data providers as mentioned in the section on the Data Sources and all GEO Collaborating Centres.

¹ This site is mirrored in Japan at <http://www-cger.nies.go.jp/geo>, in Mexico at <http://www.rolac.unep.mx/geo>, in Norway at <http://www.grida.no/geo>, in Switzerland at <http://www.grid.unep.ch/geo>, in the United Kingdom at <http://geo.unep-wcmc.org> and in the United States at <http://grid2.cr.usgs.gov/geo>.

Data Sources

The data sets and documentation on the GEO-3 Data Compendium have been extracted from the GEO Data Portal, focusing on those data sets that have actually been used for the 1972-2002 state of the environment analysis and associated graphics presented in GEO-3.

Many organizations have contributed to the data sets and documentation available in this report. It contains readily available, globally harmonized primary data sources such as FAO's FAOSTAT, the World Bank's World Development Indicators, or the UN Common Database. Also included are various regional or other specific data sources, reflecting the broad scope and regional focus of the GEO process.

For the GEO-3 Data Compendium, key data providers are in alphabetical order:

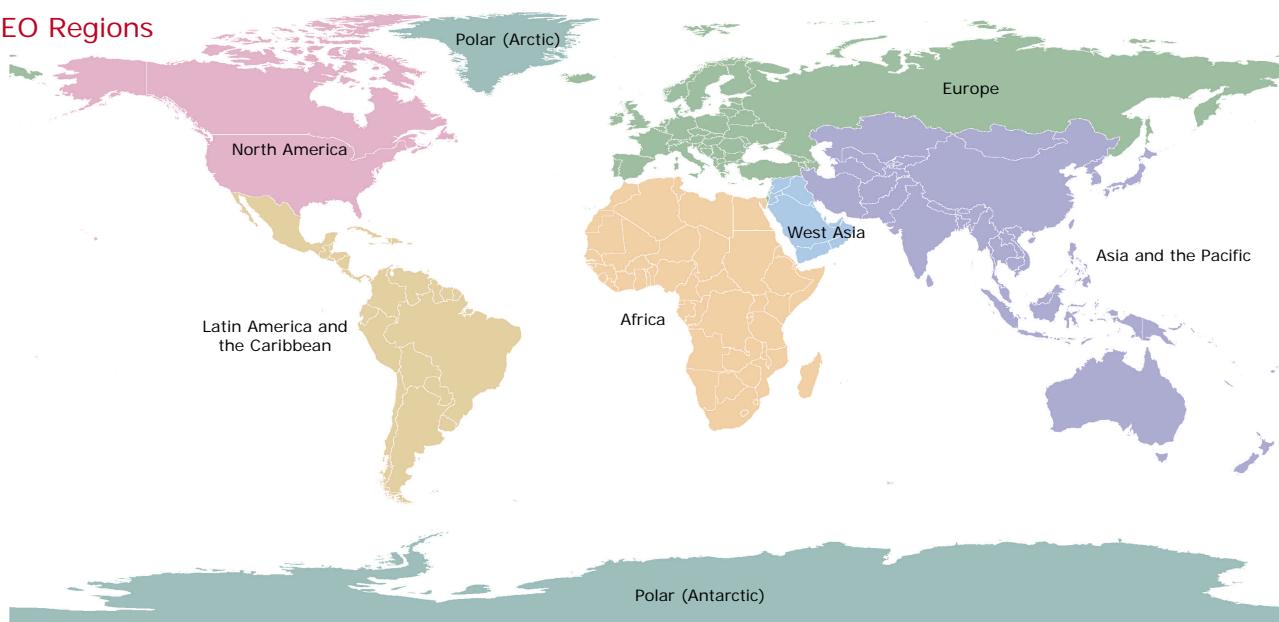
| Full Name | Abbreviation | URL |
|---|------------------|---|
| Carbon Dioxide Information Analysis Center | CDIAC | http://cdiac.esd.ornl.gov/trends/emis/em_cont.htm |
| Center for International Earth Science Information Network | CIESIN | http://www.ciesin.org |
| Environmental Systems Research Institute | ESRI | http://www.esri.com |
| Food and Agriculture Organization of the United Nations | FAO | http://apps.fao.org/page/collections |
| Forest Stewardship Council | FSC | http://www.fscoax.org |
| Global Resource Information Database, Arendal | GRID-Arendal | http://www.grida.no |
| Global Resource Information Database, Geneva | GRID-Geneva | http://www.grid.unep.ch |
| Global Resource Information Database, Sioux Falls | GRID-Sioux Falls | http://grid2.cr.usgs.gov |
| International Soil Reference and Information Centre | ISRIC | http://www.isric.org |
| International Union for the Conservation of Nature, The World Conservation Union | IUCN | http://www.iucn.org |
| International Energy Agency | IEA | http://www.iea.org |
| National Institute for Public Health and the Environment | RIVM | http://www.rivm.nl |
| NOAA National Geophysical Data Center | NOAA/NGDC | http://www.nesdis.noaa.gov |
| Office of U.S. Foreign Disaster Assistance - The Centre for Research on the Epidemiology of Disasters | OFDA/CRED | http://www.cred.be/emdat |
| Organization for Economic Co-operation and Development | OECD | http://www.oecd.org |
| The Ramsar Convention on Wetlands Secretariat | | http://www.ramsar.org |
| The World Bank | | http://www.worldbank.org/data/wdi2000 |
| The World Fish Centre, formerly known as International Centre for Living Aquatic Resources Management | ICLARM | http://www.iclarm.org |
| UNEP - The World Conservation Monitoring Centre | WCMC | http://www.unep-wcmc.org |
| UNEP/WMO Intergovernmental Panel on Climate Change Data Distribution Centre | DDC | http://www.ipcc.ch |
| United Nations Children's Fund | UNICEF | http://www.unicef.org |
| United Nations Development Programme | UNDP | http://www.undp.org |
| United Nations Educational, Scientific and Cultural Organization | UNESCO | http://www.unesco.org |
| United Nations Environment Programme Ozone Secretariat | | http://www.unep.ch/ozone |
| United Nations Framework Convention on Climate Change Secretariat | UNFCCC | http://unfccc.int.index.html |
| United Nations Human Settlements Programme, formerly known as UNCHS – Habitat | UN-HABITAT | http://www.unchs.org/habrdd/statprog.htm |
| United Nations International Labour Organization | ILO | http://www.ilo.org |
| United Nations International Telecommunications Union | ITU | http://www.itu.org |
| United Nations Population Division | | http://www.un.org/esa/population/unpop.htm |
| United Nations Statistics Division | UN-STAT | http://www.un.org/depts/unsd |
| United Nations World Health Organization | WHO | http://www.who.int/whr/2000/en/statistics.htm |
| United States Geological Survey - EROS Data Centre | EDC | http://edc.usgs.gov |
| World Resources Institute | WRI | http://www.wri.org/wr2000 |
| World Energy Council - Conseil Mondial de l'Energie | WEC | http://www.worldenergy.org/wec-geis |
| World Wildlife Fund | WWF | http://www.wwf.org |

GEO-Regions and Sub-Regions

Regional breakdown

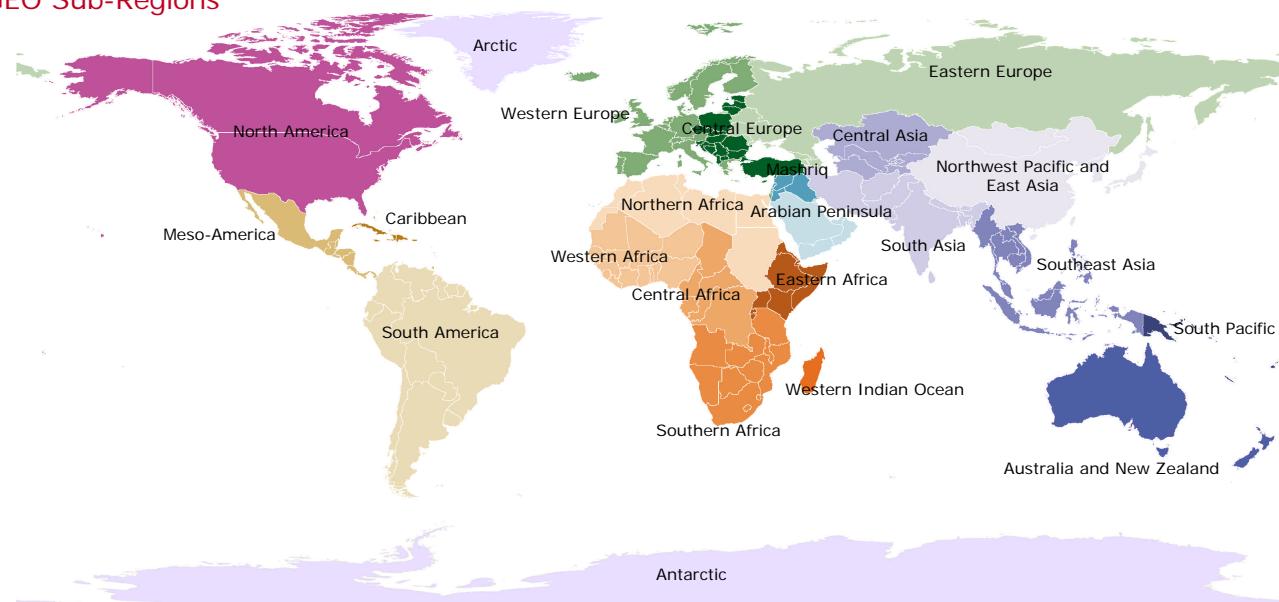
| AFRICA | ASIA AND THE PACIFIC | EUROPE | |
|--|---|--|-----------------------------|
| Central Africa Eastern Africa Northern Africa Southern Africa Western Africa Western Indian Ocean | Australia and New Zealand Central Asia Northwest Pacific and East Asia South Asia Southeast Asia South Pacific | Central Europe Eastern Europe Western Europe | |
| LATIN AMERICA AND THE CARIBBEAN | NORTH AMERICA | WEST ASIA | POLAR |
| Caribbean Meso-America South America | North America | Arabian Peninsula Mashriq | The Arctic The Antarctic |

GEO Regions



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GEO Sub-Regions



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Sub-regional breakdown

AFRICA

Northern Africa: Algeria, Egypt, Libyan Arab Jamahiriya, Morocco, The Sudan, Tunisia, Western Sahara



Central Africa: Cameroon, Central African Republic, Chad, Congo, Democratic Republic of Congo, Equatorial Guinea, Gabon, Sao Tome and Principe

Western Africa: Benin, Burkina Faso, Cape Verde, Cote d'Ivoire, Gambia, Ghana, Guinea, Guinea-Bissau, Liberia, Mali, Mauritania, Niger, Nigeria, Senegal, Sierra Leone, Togo

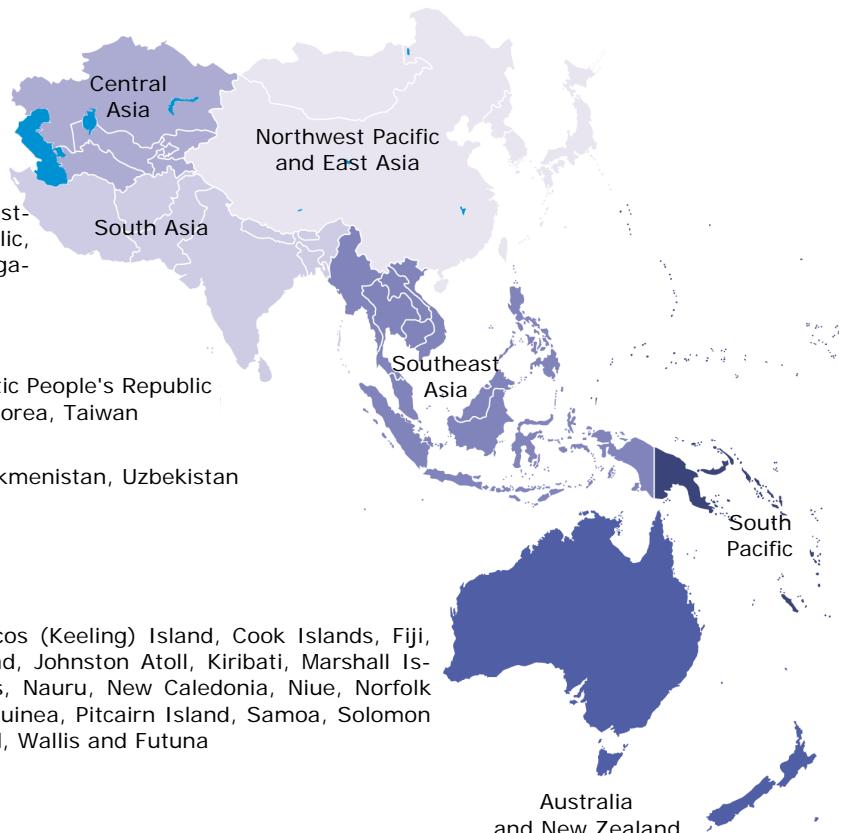
Eastern Africa: Burundi, Djibouti, Eritrea, Ethiopia, Kenya, Rwanda, Somalia, Uganda

Western Indian Ocean: Comoros, Glorioso Islands, Juan De Nova Island, Madagascar, Mauritius, Mayotte, Reunion (France), Seychelles

Southern Africa: Angola, Botswana, Lesotho, Malawi, Mozambique, Namibia, South Africa, Swaziland, United Republic of Tanzania, Zambia, Zimbabwe

ASIA AND THE PACIFIC

South Asia: Afghanistan, Bangladesh, Bhutan, British Indian Ocean Territory, India, Iran (Islamic Republic of), Maldives, Nepal, Pakistan, Sri Lanka



Southeast Asia: Brunei Darussalam, Cambodia, Christmas Island, Indonesia, Lao People's Democratic Republic, Malaysia, Myanmar, Paracel Islands, Philippines, Singapore, Spratly Islands, Thailand, Viet Nam

Northwest Pacific and East Asia: China, Democratic People's Republic of Korea, Japan, Macau, China, Mongolia, Republic of Korea, Taiwan

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

Australia and New Zealand: Australia, New Zealand

South Pacific: American Samoa, Baker Island, Cocos (Keeling) Island, Cook Islands, Fiji, French Polynesia, Guam, Howland Island, Jarvis Island, Johnston Atoll, Kiribati, Marshall Islands, Micronesia (Federal States of), Midway Islands, Nauru, New Caledonia, Niue, Norfolk Island, Northern Mariana Islands, Palau, Papua New Guinea, Pitcairn Island, Samoa, Solomon Islands, Tokelau, Tonga, Tuvalu, Vanuatu, Wake Island, Wallis and Futuna



EUROPE

Western Europe: Andorra, Austria, Belgium, Denmark, Feroe Islands, Finland, France, Germany, Gibraltar, Greece, Guernsey, Holy See, Iceland, Ireland, Isle of Man, Israel, Italy, Jersey, Liechtenstein, Luxembourg, Malta, Monaco, Netherlands, Norway, Portugal, San Marino, Spain, Svalbard and Jan Mayen Islands, Sweden, Switzerland, United Kingdom of Great Britain and Northern Ireland

Central Europe: Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Poland, Romania, Slovakia, Slovenia, The Former Yugoslav Republic of Macedonia, Turkey, Yugoslavia

Eastern Europe: Armenia, Azerbaijan, Belarus, Georgia, Republic of Moldova, Russian Federation, Ukraine

WEST ASIA

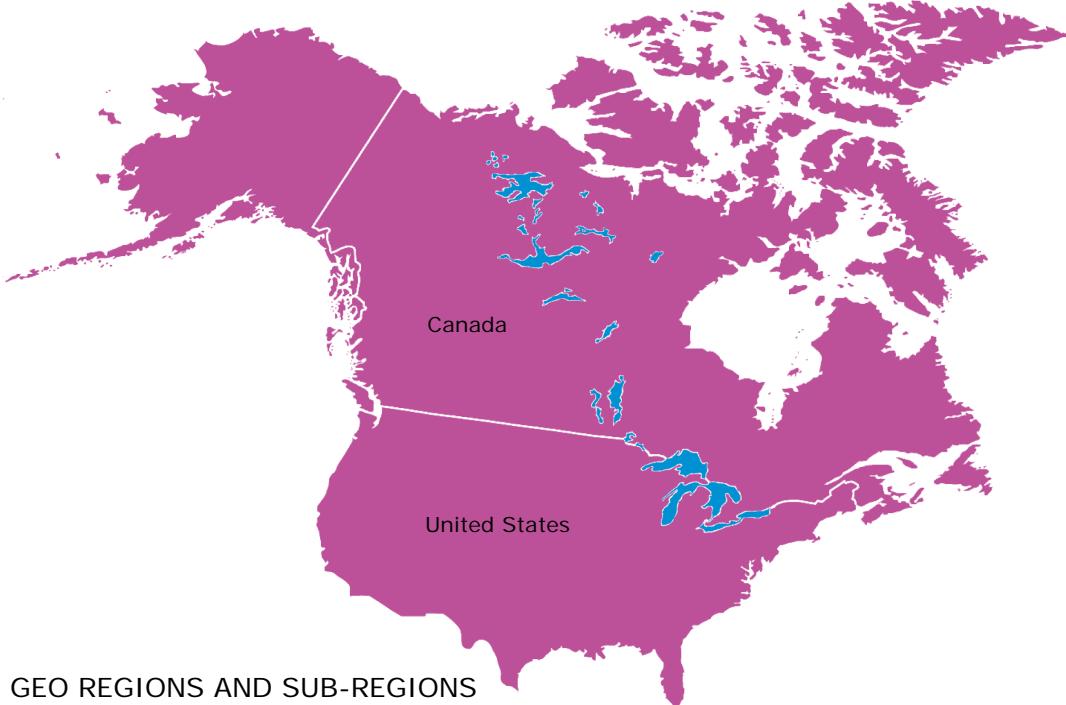
Arabian Peninsula: Bahrain, Kuwait, Oman, Qatar, Saudi Arabia, United Arab Emirates, Yemen

Mashriq: Iraq, Jordan, Lebanon, Occupied Palestinian Territories, Syrian Arab Republic



NORTH AMERICA

North America: Canada, United States of America



LATIN AMERICA AND THE CARIBBEAN



Caribbean: Anguilla (United Kingdom), Antigua and Barbuda, Aruba (The Netherlands), Bahamas, Barbados, Bermuda, British Virgin Islands , United Kingdom), Cayman Islands (United Kingdom), Cuba, Dominica, Dominican Republic, Grenada, Guadeloupe (France), Haiti, Jamaica, Martinique (France), Montserrat (United Kingdom), Netherlands Antilles (The Netherlands), Puerto Rico (United States), Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Trinidad and Tobago, Turks and Caicos (United Kingdom), Virgin Islands (United States)

Meso-America: Belize, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama

South America: Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Falkland Islands (Malvinas), French Guyana (France), Guyana, Paraguay, Peru , Suriname, Uruguay, Venezuela

POLAR

The Arctic: for GEO-3, the eight Arctic countries are Canada, Greenland (Denmark), Finland, Iceland, Norway, Russia, Sweden and Alaska (United States). However, when Arctic data are shown in this publication, they only include Greenland since this is the only territory from which Arctic data are specifically available. Arctic data could not be separated out for any other individual territory/country in the Arctic region.

The Antarctic: Antarctic data shown in this publication have been aggregated from the following territories: Bouvet Island, French Southern and Antarctic Territories, Heard Island and McDonald Islands, South Georgia and the South Sandwich Islands.

1 Aggregated Data Sets

Table Legend

---- : "No Data" or less than 2/3 of national data available / **** : data "Not Available"

For all aggregations, copyright © 2002, United Nations Environment Programme/DEWA/GRID-Geneva.

The vertical grey lines in the table indicates that a time span has been deleted due to space constraints. To get full time coverage for each variable, see the data files on the enclosed CD ROM (in Excel format).

1.1 Socio-economic

1.1.1 Economy

Foreign Direct Investment - Net Inflows

Units: million constant 1995 US\$

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1970-1999

| | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| AFRICA | 722.30 | 1786.82 | 2407.70 | 3409.54 | 3734.30 | 4459.02 | 7083.89 | 6899.32 | 7622.35 | 11956.41 | 10027.98 | 11691.04 |
| Central Africa | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Eastern Africa | 33.12 | 120.39 | 106.01 | 39.88 | 25.62 | 92.76 | 145.26 | 244.70 | 194.22 | 342.00 | 521.21 | 419.87 |
| Northern Africa | 104.75 | 1540.90 | 1230.45 | 893.50 | 1790.78 | 1969.98 | 2848.33 | 1210.26 | 1204.45 | 1689.82 | 2667.87 | 2266.17 |
| Southern Africa | 136.62 | 252.53 | 10.75 | 1341.84 | 602.62 | 384.26 | 1009.48 | 3182.39 | 2325.61 | 6517.95 | 4095.19 | 6220.40 |
| Western Africa | 411.41 | -400.24 | 961.22 | 1082.62 | 1059.38 | 2015.08 | 3052.49 | 2094.06 | 2847.20 | 2949.17 | 2243.96 | 2076.24 |
| Western Indian Ocean | 14.64 | 12.50 | 103.75 | 68.65 | 55.01 | 62.22 | 69.91 | 87.84 | 99.32 | 157.75 | 108.53 | 212.39 |
| ASIA AND PACIFIC | 1516.41 | 6422.60 | 35164.41 | 33367.91 | 44388.19 | 65720.69 | 81802.76 | 101745.66 | 105425.85 | 118568.41 | 106315.46 | 109234.20 |
| Australia and New Zealand | 1133.58 | 2584.66 | 11610.12 | 7136.22 | 9186.82 | 8053.34 | 8987.57 | 20305.92 | 10639.35 | 13048.41 | 8734.41 | 7136.09 |
| Central Asia | ---- | ---- | ---- | ---- | 176.68 | 258.71 | 357.40 | 1502.28 | 1720.36 | 2274.38 | 2044.44 | 2321.45 |
| North West Pacific and East Asia | 0.00 | 360.93 | 7638.08 | 8621.38 | 18483.61 | 35626.51 | 44821.05 | 47544.50 | 53915.69 | 63486.53 | 66192.40 | 76256.60 |
| South Asia | 122.11 | 233.85 | 223.57 | 491.55 | 947.38 | 1415.33 | 2005.82 | 3731.10 | 4462.31 | 6249.17 | 4508.62 | 3981.86 |
| South East Asia | 252.64 | 3098.91 | 15343.07 | 16909.78 | 15273.66 | 20102.28 | 25426.98 | 27951.97 | 34487.99 | 33364.29 | 24519.08 | 19154.42 |
| South Pacific | 8.08 | 144.25 | 349.57 | 208.99 | 320.04 | 264.52 | 203.94 | 709.88 | 200.15 | 145.63 | 316.51 | 383.76 |
| EUROPE | ---- | 27179.78 | 131954.04 | 107543.12 | 110820.93 | 112041.60 | 108965.88 | 175112.65 | 171618.50 | 207421.13 | 355552.87 | 501668.86 |
| Central Europe | 73.20 | 142.57 | 1486.15 | 4366.29 | 5850.68 | 7981.43 | 7671.51 | 16770.25 | 14119.34 | 16707.15 | 23264.56 | 25446.29 |
| Eastern Europe | 0.00 | 0.00 | 0.00 | 0.00 | 8.83 | 22.21 | 1079.64 | 3390.74 | 4770.11 | 11290.61 | 6620.20 | 6029.58 |
| Western Europe | ---- | 27037.21 | 130467.89 | 103176.83 | 104961.41 | 104037.96 | 100214.72 | 154951.66 | 152729.05 | 179423.37 | 325668.11 | 470192.99 |
| LATIN AMERICA AND CARIBBEAN | 1448.35 | 7782.34 | 10509.80 | 16440.90 | 18945.28 | 17383.39 | 35811.54 | 37700.73 | 54825.45 | 82682.48 | 91138.71 | 114651.14 |
| Caribbean | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Meso-America | 554.40 | 2895.12 | 3836.48 | 6575.65 | 6248.29 | 6358.97 | 14913.18 | 13111.04 | 12998.40 | 18860.34 | 19174.07 | 16906.26 |
| South America | 479.52 | 4391.51 | 5850.63 | 8871.17 | 11893.34 | 10028.23 | 19650.60 | 23142.43 | 40645.11 | 61015.05 | 69107.12 | 93550.54 |
| NORTH AMERICA | 3894.61 | 28702.06 | 70769.93 | 32869.28 | 31044.95 | 70813.17 | 68583.09 | 84674.07 | 121326.29 | 148654.39 | 262485.90 | 379438.48 |
| North America | 3894.61 | 28702.06 | 70769.93 | 32869.28 | 31044.95 | 70813.17 | 68583.09 | 84674.07 | 121326.29 | 148654.39 | 262485.90 | 379438.48 |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arabian Peninsula | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Mashriq | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GLOBAL TOTALS | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Foreign direct investment (FDI) is net inflows of investment to acquire a lasting management interest (10 percent or more of voting stock) in an enterprise operating in an economy other than that of the investor. It is the sum of equity capital, reinvestment of earnings, other long-term capital, and short-term capital as shown in the balance of payments. This series shows total net, that is, net FDI in the reporting economy less net FDI by the reporting economy.

General Government Final Consumption Expenditure

Units: million constant 1995 US\$

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| AFRICA | ---- | 25291.32 | 47865.22 | 65854.33 | 68206.91 | 70190.56 | 73275.68 | 75563.15 | 77624.49 |
| Central Africa | 958.75 | 2002.40 | 2204.52 | 2708.04 | 2146.96 | 2335.30 | 2426.24 | 2461.79 | 2415.64 |
| Eastern Africa | ---- | ---- | 1866.04 | 2591.50 | 2872.10 | 3041.69 | 3288.08 | 3707.95 | 4207.73 |
| Northern Africa | ---- | 6704.80 | 13495.66 | 18626.21 | 21616.44 | 22297.25 | 23221.21 | 24248.22 | 25287.36 |
| Southern Africa | ---- | ---- | ---- | 32668.77 | 33041.74 | 34111.96 | 35209.58 | 35251.14 | 34745.78 |
| Western Africa | 1558.70 | 2937.89 | 7170.42 | 8440.74 | 7651.77 | 7509.57 | 8188.33 | 8889.66 | 9979.47 |
| Western Indian Ocean | 216.72 | 302.26 | 565.28 | 819.08 | 877.91 | 894.80 | 942.24 | 1004.39 | 988.51 |
| ASIA AND PACIFIC | 167963.24 | 308639.80 | 513660.28 | 715782.47 | 853169.45 | 883090.18 | 907215.39 | 929538.80 | 958371.95 |
| Australia and New Zealand | 20222.25 | 34652.98 | 52218.94 | 70830.69 | 79089.55 | 79848.83 | 83271.82 | 85105.93 | 88357.46 |
| Central Asia | ---- | ---- | ---- | ---- | 7181.20 | 7700.68 | 7440.33 | 6908.04 | 7120.62 |
| North West Pacific and East Asia | 134158.20 | 236573.81 | 397681.86 | 542975.85 | 644246.64 | 665570.13 | 681205.14 | 696980.77 | 713434.64 |
| South Asia | 6215.80 | 23475.43 | 31917.09 | 49587.05 | 60612.47 | 63800.88 | 68036.37 | 75528.61 | 81261.92 |
| South East Asia | ---- | 12928.99 | 30782.65 | 46959.57 | 60860.46 | 64803.91 | 65942.24 | 63653.11 | 66900.90 |
| South Pacific | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| EUROPE | ---- | ---- | ---- | 1829493.29 | 2015624.18 | 2050914.70 | 2063158.87 | 2086000.49 | 2119319.19 |
| Central Europe | ---- | ---- | ---- | 70487.57 | 74964.01 | 76427.69 | 78154.95 | 81285.36 | 82790.06 |
| Eastern Europe | ---- | ---- | ---- | ---- | 58323.13 | 58147.53 | 57356.43 | 57348.43 | 56504.21 |
| Western Europe | 502744.02 | 1000472.33 | 1390933.70 | 1740256.39 | 1882337.04 | 1916339.48 | 1927647.49 | 1947366.70 | 1980024.92 |
| LATIN AMERICA AND CARIBBEAN | 68263.78 | 105001.09 | 184281.53 | 274293.99 | 247539.49 | 265491.50 | 283860.14 | 287285.01 | 274596.46 |
| Caribbean | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Meso-America | 4733.07 | 10764.53 | 24632.67 | 31738.63 | 35078.40 | 34952.08 | 36003.28 | 36956.59 | 37398.15 |
| South America | 62924.80 | 93059.79 | 157307.33 | 240131.06 | 209652.52 | 227451.21 | 244318.50 | 246605.62 | 233315.58 |
| NORTH AMERICA | 600744.02 | 860882.39 | 953406.13 | 1238248.28 | 1257644.06 | 1261991.08 | 1280692.57 | 1300101.23 | 1307341.33 |
| North America | 600744.02 | 860882.39 | 953406.13 | 1238248.28 | 1257644.06 | 1261991.08 | 1280692.57 | 1300101.23 | 1307341.33 |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arabian Peninsula | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Mashriq | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GLOBAL TOTALS | ---- | ---- | 3099320.15 | 4128769.82 | 4448720.48 | 4538908.04 | 4616105.88 | 4686613.51 | 4745885.04 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 1628628.06 | 2427904.33 | 3258372.59 | 4281526.12 | 4566000.07 | 4660389.74 | 4741305.20 | 4815177.38 | ---- |

Comments:

General government final consumption expenditure (general government consumption) includes all government current expenditures for purchases of goods and services (including compensation of employees). It also includes most expenditures on national defence and security, but excludes government military expenditures that are part of government capital formation.

Gross Domestic Product

Units: million constant 1995 US\$

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| AFRICA | 122959.62 | 209261.87 | 334162.24 | 429162.40 | 460113.32 | 484555.24 | 499129.86 | 515259.84 | 528627.48 |
| Central Africa | 11124.14 | 14949.29 | 20701.64 | 26242.24 | 23846.11 | 24379.60 | 25047.60 | 26088.70 | 26009.17 |
| Eastern Africa | ---- | ---- | 15296.70 | 21303.00 | 23933.16 | 25577.25 | 26649.68 | 27312.65 | 28472.99 |
| Northern Africa | ---- | 51589.47 | 93522.53 | 138226.43 | 152380.34 | 162260.71 | 166424.34 | 175783.29 | 182592.38 |
| Southern Africa | 55952.88 | 101402.30 | 151390.34 | 178045.25 | 186289.97 | 195099.15 | 200731.67 | 203006.65 | 206261.92 |
| Western Africa | 20385.18 | 33264.55 | 47980.80 | 58346.33 | 65807.69 | 69065.40 | 71729.21 | 74130.69 | 76026.69 |
| Western Indian Ocean | 2901.29 | 3897.26 | 5270.23 | 6999.15 | 7856.05 | 8173.13 | 8547.36 | 8937.85 | 9264.33 |
| ASIA AND PACIFIC | 1222009.64 | 2825158.69 | 4407951.08 | 6973562.94 | 8176398.63 | 8640694.64 | 8900519.89 | 8782228.33 | 8996962.92 |
| Australia and New Zealand | 126156.62 | 205703.50 | 277827.63 | 369796.66 | 436668.42 | 452517.27 | 472152.15 | 490737.80 | 512333.16 |
| Central Asia | ---- | ---- | ---- | 69992.16 | 45876.91 | 46106.79 | 46769.18 | 47567.82 | 49541.36 |
| North West Pacific and East Asia | 889203.03 | 2281163.98 | 3599718.40 | 5633957.34 | 6473930.84 | 6839714.88 | 7026984.16 | 6909759.71 | 7042736.10 |
| South Asia | 135277.35 | 206489.88 | 264164.26 | 437995.18 | 557529.91 | 591776.82 | 616062.53 | 649560.99 | 685063.00 |
| South East Asia | 69735.79 | 125365.91 | 257162.30 | 448969.99 | 646869.50 | 694584.00 | 722648.57 | 668763.21 | 691055.14 |
| South Pacific | ---- | 6435.43 | 9078.48 | 12851.62 | 15523.05 | 15994.88 | 15903.31 | 15838.80 | 16234.15 |
| EUROPE | ---- | 5640893.99 | 7637865.01 | 9741384.27 | 10082341.78 | 10241071.20 | 10502242.30 | 10760704.26 | 10997706.99 |
| Central Europe | ---- | ---- | ---- | 503399.20 | 507204.41 | 533787.70 | 559984.03 | 576341.67 | 575206.71 |
| Eastern Europe | ---- | ---- | 559492.84 | 698829.16 | 417807.01 | 402179.05 | 406490.89 | 391842.16 | 402854.92 |
| Western Europe | 3555289.55 | 5283229.69 | 6879834.64 | 8539155.90 | 9157330.35 | 9305104.46 | 9535767.37 | 9792520.43 | 10019645.36 |
| LATIN AMERICA AND CARIBBEAN | 428963.14 | 721061.14 | 1272991.90 | 1431928.64 | 1716455.57 | 1778877.05 | 1869228.07 | 1905624.14 | 1907195.98 |
| Caribbean | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Meso-America | 73594.90 | 139506.89 | 257257.67 | 304760.71 | 336254.42 | 352104.56 | 374919.88 | 393538.77 | 407735.54 |
| South America | 336970.36 | 547643.95 | 963736.33 | 1059167.10 | 1304001.62 | 1347771.75 | 1412298.52 | 1427015.34 | 1410954.02 |
| NORTH AMERICA | 2560250.26 | 3762208.00 | 5170728.80 | 7056939.90 | 7917632.10 | 8188490.80 | 8551323.20 | 8918022.90 | 9245369.60 |
| North America | 2560250.26 | 3762208.00 | 5170728.80 | 7056939.90 | 7917632.10 | 8188490.80 | 8551323.20 | 8918022.90 | 9245369.60 |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | ---- | ---- | 194540.69 | 207728.16 | 256753.23 | 263621.04 | 271329.88 | 272542.86 | ---- |
| Arabian Peninsula | ---- | 73293.73 | 181257.58 | 185077.21 | 218791.21 | 224656.94 | 230893.04 | 230119.11 | 140579.09 |
| Mashriq | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GLOBAL TOTALS | 7922493.43 | 13235495.54 | 19018239.72 | 25840706.31 | 28609694.62 | 29597309.96 | 30593773.18 | 31154382.32 | 31847703.83 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 7811724.00 | 13202570.00 | 19204160.00 | 26229070.00 | 29077750.00 | 30088790.00 | 31111250.00 | 31690230.00 | 32512230.00 |

Comments:

Gross domestic product (GDP) is the sum of gross value added by all resident producers in the economy plus any product taxes and minus any subsidies not included in the value of the products. It is calculated without making deductions for depreciation of fabricated assets or for depletion and degradation of natural resources. Data are in constant 1995 U.S. dollars. Dollar figures for GDP are converted from domestic currencies using 1995 official exchange rates. For a few countries where the official exchange rate does not reflect the rate effectively applied to actual foreign exchange transactions, an alternative conversion factor is used.

Data sources: GDP is estimated by World Bank staff based on national accounts data collected by Bank staff during economic missions or reported by national statistical offices to other international organizations such as the Organisation for Economic Co-operation and Development.

Gross Domestic Product - Annual Percentage Growth Rate

Units: percent

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1961-1999

| | 1961 | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-------|-------|-------|-------|-------|--------|-------|--------|-------|-------|-------|-------|-------|
| AFRICA | ---- | ---- | ---- | 2.11 | 1.22 | 0.14 | 0.95 | 2.97 | 3.12 | 5.46 | 3.19 | 3.31 | 2.72 |
| Central Africa | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Eastern Africa | ---- | ---- | ---- | 3.53 | 0.68 | -0.11 | 3.89 | 1.19 | 7.45 | 7.10 | 4.26 | 2.58 | 4.40 |
| Northern Africa | -4.30 | 6.40 | 5.17 | 3.49 | 2.12 | 2.11 | 0.52 | 4.03 | 1.73 | 6.58 | 2.66 | 5.63 | 3.94 |
| Southern Africa | ---- | ---- | ---- | 0.50 | 0.02 | -2.15 | 0.89 | 3.02 | 3.30 | 4.75 | 2.90 | 1.16 | 1.62 |
| Western Africa | 3.13 | 15.06 | 0.26 | 4.17 | 3.22 | 2.10 | 1.48 | 1.88 | 3.91 | 4.96 | 3.94 | 3.43 | 2.60 |
| Western Indian Ocean | 7.91 | 3.98 | -3.21 | 5.37 | -0.72 | 4.22 | 4.04 | 1.79 | 2.91 | 4.07 | 4.59 | 4.59 | 3.67 |
| ASIA AND PACIFIC | 8.21 | 9.76 | 2.95 | 5.20 | 4.33 | 2.89 | 2.57 | 3.16 | 3.72 | 5.72 | 3.03 | -1.04 | 2.54 |
| Australia and New Zealand | 2.48 | 3.60 | 2.72 | -0.24 | 0.16 | 3.35 | 4.41 | 4.64 | 4.43 | 3.63 | 4.35 | 3.96 | 4.40 |
| Central Asia | ---- | ---- | ---- | -1.20 | -4.72 | -11.64 | -7.73 | -11.04 | -5.19 | 0.60 | 1.64 | 1.82 | 4.29 |
| North West Pacific and East Asia | 9.57 | 10.78 | 2.74 | 5.28 | 4.55 | 2.44 | 1.91 | 2.46 | 3.05 | 5.70 | 2.75 | -1.45 | 2.02 |
| South Asia | 4.27 | 4.24 | 2.54 | 6.50 | 3.11 | 5.76 | 4.14 | 5.65 | 6.36 | 6.16 | 4.12 | 5.47 | 5.49 |
| South East Asia | 6.55 | 7.95 | 6.74 | 8.42 | 7.25 | 6.61 | 7.92 | 8.24 | 8.18 | 7.40 | 4.17 | -7.11 | 3.38 |
| South Pacific | ---- | 14.66 | -1.55 | 1.20 | 5.03 | 4.89 | 6.15 | 3.26 | 1.20 | 3.16 | -0.50 | -0.23 | 3.25 |
| EUROPE | ---- | ---- | ---- | 1.89 | 0.06 | 0.30 | -0.63 | 1.90 | 2.20 | 1.62 | 2.59 | 2.49 | 2.23 |
| Central Europe | ---- | ---- | ---- | ---- | -6.75 | -0.39 | 3.05 | 0.56 | 6.17 | 5.56 | 5.16 | 3.00 | -0.01 |
| Eastern Europe | ---- | ---- | ---- | -3.56 | -5.49 | -14.05 | -9.36 | -14.01 | -5.34 | -3.65 | 1.14 | -3.48 | 2.83 |
| Western Europe | 5.72 | 5.00 | 1.83 | 2.43 | 0.85 | 1.27 | -0.32 | 2.76 | 2.32 | 1.63 | 2.50 | 2.70 | 2.33 |
| LATIN AMERICA AND CARIBBEAN | 6.62 | 6.29 | 6.58 | -0.45 | 4.32 | 3.65 | 4.24 | 5.22 | 1.73 | 3.67 | 5.12 | 1.97 | 0.11 |
| Caribbean | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Meso-America | 4.86 | 6.24 | 7.89 | 4.93 | 4.20 | 4.04 | 2.42 | 4.35 | -4.59 | 4.73 | 6.48 | 4.97 | 3.62 |
| South America | 7.03 | 6.19 | 6.42 | -2.15 | 4.53 | 3.62 | 4.86 | 5.63 | 3.26 | 3.39 | 4.83 | 1.07 | -1.06 |
| NORTH AMERICA | 2.47 | 0.38 | -0.11 | 1.65 | -0.58 | 2.90 | 2.63 | 4.09 | 2.67 | 3.42 | 4.43 | 4.29 | 3.67 |
| North America | 2.47 | 0.38 | -0.11 | 1.65 | -0.58 | 2.90 | 2.63 | 4.09 | 2.67 | 3.42 | 4.43 | 4.29 | 3.67 |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | ---- | ---- | ---- | 10.59 | 8.89 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arabian Peninsula | ---- | ---- | ---- | ---- | 7.80 | 3.16 | 3.94 | 1.92 | 1.96 | 2.82 | 2.68 | -0.04 | 0.52 |
| Mashriq | ---- | -3.81 | 14.08 | 11.44 | 16.49 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GLOBAL TOTALS | 4.97 | 4.88 | 2.09 | 2.72 | 1.39 | 1.95 | 1.52 | 3.09 | 2.75 | 3.50 | 3.40 | 1.99 | 2.62 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 4.74 | 4.74 | 2.03 | 2.65 | 1.38 | 1.86 | 1.47 | 3.00 | 2.72 | 3.48 | 3.40 | 1.86 | 2.59 |

Comments:

Annual percentage growth rate of GDP at market prices based on constant local currency. Aggregates are based on constant 1995 U.S. dollars. GDP is the sum of gross value added by all resident producers in the economy plus any product taxes and minus any subsidies not included in the value of the products. It is calculated without making deductions for depreciation of fabricated assets or for depletion and degradation of natural resources.

The weighting factor, GDP Constant US\$ 1995, is used in the World Development Indicators 2001.

Gross Domestic Product - from Agriculture

Units: percent

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | ---- | 24.59 | 16.38 | 17.99 | 17.50 | 16.49 | 16.46 | 16.16 | 15.98 | 17.33 | 17.09 | 18.16 | 18.02 |
| Central Africa | ---- | 37.17 | 21.16 | 20.63 | 21.65 | 21.22 | 21.74 | 20.87 | 19.87 | 19.28 | 19.58 | 21.95 | 20.66 |
| Eastern Africa | ---- | 42.09 | 37.77 | 38.92 | 38.48 | 39.68 | 41.83 | 40.16 | 40.00 | 39.06 | 38.34 | 38.28 | 38.27 |
| Northern Africa | ---- | 18.10 | 10.96 | 14.87 | 14.55 | 15.68 | 15.07 | 15.35 | 14.27 | 16.08 | 15.04 | 15.77 | 15.22 |
| Southern Africa | 14.17 | 9.16 | 9.07 | 9.01 | 9.40 | 6.76 | 7.74 | 7.31 | 6.84 | 8.18 | 8.16 | 8.49 | 8.28 |
| Western Africa | 51.99 | 40.19 | 25.31 | 31.83 | 31.17 | 28.74 | 29.20 | 30.96 | 32.62 | 32.47 | 33.08 | 35.34 | 36.98 |
| Western Indian Ocean | ---- | 22.88 | 25.84 | 22.65 | 21.46 | 21.29 | 21.61 | 21.73 | 19.41 | 19.81 | 18.90 | 18.66 | 17.01 |
| ASIA AND PACIFIC | 26.73 | 22.55 | 13.91 | 8.87 | 7.78 | 7.29 | 6.53 | 6.75 | 6.76 | 7.35 | 7.46 | 7.85 | 7.53 |
| Australia and New Zealand | ---- | ---- | ---- | 3.52 | 3.42 | 3.65 | 3.97 | 3.43 | 3.88 | 3.75 | 3.58 | 3.44 | ---- |
| Central Asia | ---- | ---- | ---- | 29.42 | 31.64 | 31.00 | 25.38 | 28.55 | 23.51 | 20.18 | 21.99 | 20.30 | 23.04 |
| North West Pacific and East Asia | 19.04 | 15.46 | 8.21 | 5.39 | 4.79 | 4.46 | 3.90 | 4.20 | 4.32 | 4.78 | 4.81 | 5.08 | 4.62 |
| South Asia | 45.03 | 44.20 | 32.14 | 29.14 | 29.41 | 29.11 | 28.41 | 28.22 | 26.92 | 26.99 | 26.20 | 27.31 | 26.33 |
| South East Asia | 29.72 | 32.44 | 21.91 | 15.75 | 15.22 | 15.16 | 14.08 | 13.96 | 13.84 | 13.39 | 13.00 | 13.07 | 13.33 |
| South Pacific | ---- | ---- | ---- | 13.73 | 13.48 | 12.90 | 15.19 | 16.42 | 14.65 | 15.16 | 16.08 | 14.45 | 14.26 |
| EUROPE | ---- | ---- | ---- | 4.97 | 4.28 | 3.51 | 3.48 | 3.17 | 3.23 | 3.26 | 3.12 | 2.91 | 2.77 |
| Central Europe | ---- | ---- | ---- | 15.24 | 12.26 | 11.29 | 11.88 | 10.76 | 11.08 | 11.09 | 10.07 | 10.67 | 9.18 |
| Eastern Europe | ---- | ---- | ---- | 18.44 | 16.07 | 10.57 | 11.09 | 8.72 | 9.98 | 9.14 | 8.98 | 7.70 | 7.89 |
| Western Europe | ---- | ---- | ---- | 3.00 | 2.80 | 2.63 | 2.48 | 2.48 | 2.49 | 2.47 | 2.32 | 2.19 | 2.08 |
| LATIN AMERICA AND CARIBBEAN | 22.57 | 12.78 | 10.17 | 8.63 | 8.29 | 7.76 | 7.40 | 8.53 | 8.57 | 8.28 | 7.78 | 7.92 | 7.54 |
| Caribbean | ---- | 9.30 | 8.72 | 5.61 | 6.05 | 5.45 | 5.08 | ---- | ---- | ---- | ---- | ---- | ---- |
| Meso-America | ---- | 15.01 | 10.46 | 9.00 | 8.56 | 7.69 | 7.29 | 6.87 | 7.23 | 7.58 | 7.00 | 6.67 | 6.12 |
| South America | 17.57 | 12.28 | 10.13 | 8.72 | 8.36 | 7.97 | 7.62 | 9.07 | 8.75 | 8.29 | 7.87 | 8.17 | 7.91 |
| NORTH AMERICA | 4.34 | 3.08 | 2.62 | 2.03 | 1.87 | 1.92 | 1.75 | 1.84 | 1.65 | 1.85 | 1.78 | 1.78 | 1.80 |
| North America | 4.34 | 3.08 | 2.62 | 2.03 | 1.87 | 1.92 | 1.75 | 1.84 | 1.65 | 1.85 | 1.78 | 1.78 | 1.80 |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | ---- | 9.74 | 4.53 | 9.43 | 9.28 | ---- | ---- | 6.38 | 5.57 | 5.27 | 5.36 | 6.04 | ---- |
| Arabian Peninsula | ---- | 3.33 | 0.95 | 4.96 | 4.88 | 5.10 | 5.21 | 5.19 | 4.95 | 4.62 | 4.71 | 5.37 | ---- |
| Mashriq | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GLOBAL TOTALS | 13.17 | 9.61 | 7.19 | 5.52 | 4.95 | 4.46 | 4.26 | 4.35 | 4.34 | 4.53 | 4.43 | 4.35 | 4.34 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ---- | ---- | ---- | 6.13 | 5.74 | 5.49 | 5.60 | 5.45 | 5.37 | 5.22 | 5.20 | ---- | ---- |

Comments:

GDP - from agriculture measures the output of the agricultural sector from forestry, hunting, and fishing as well as cultivation of crops and livestock production.

GDP measures the total output of goods and services for final use occurring within the domestic territory of a given country. GDP at purchaser values (market prices) is the sum of gross value added by all resident and non-resident producers in the economy plus any taxes and minus any subsidies not included in the value of the products. It is calculated without making deductions for depreciation of fabricated assets or for depletion and degradation of natural resources. The weighting factor, Current US\$, is used in the World Development Indicators 2001. Current US\$ is based on the World Bank's currency index for the period 1970 to 2010 with the base year 1995.

Gross Domestic Product - from Industry

Units: percent

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | ---- | 30.38 | 43.06 | 34.90 | 34.98 | 34.72 | 33.55 | 33.48 | 33.52 | 33.46 | 33.08 | 31.17 | 31.53 |
| Central Africa | ---- | 35.19 | 34.92 | 31.36 | 27.82 | 26.33 | 24.85 | 27.94 | 28.94 | 30.70 | 30.73 | 27.05 | 26.38 |
| Eastern Africa | ---- | 17.35 | 17.92 | 16.49 | 16.23 | 15.45 | 14.54 | 15.47 | 14.86 | 15.66 | 15.77 | 15.91 | 16.04 |
| Northern Africa | ---- | 35.74 | 49.94 | 37.11 | 38.74 | 36.12 | 35.47 | 34.68 | 36.19 | 35.64 | 36.13 | 34.74 | 35.28 |
| Southern Africa | 37.05 | 38.53 | 45.89 | 39.17 | 37.34 | 36.86 | 35.51 | 35.32 | 34.88 | 33.90 | 32.98 | 31.83 | 33.59 |
| Western Africa | 9.17 | 15.73 | 37.03 | 29.44 | 30.81 | 37.35 | 35.06 | 34.26 | 32.79 | 35.26 | 33.93 | 28.41 | ---- |
| Western Indian Ocean | ---- | 17.22 | 18.02 | 21.61 | 22.78 | 22.92 | 22.66 | 23.60 | 24.04 | 23.48 | 23.61 | 22.99 | 23.52 |
| ASIA AND PACIFIC | 35.52 | 37.88 | 39.55 | 38.41 | 38.89 | 38.63 | 38.28 | 37.75 | 37.96 | 37.89 | 37.68 | 36.65 | 37.51 |
| Australia and New Zealand | ---- | ---- | ---- | 26.39 | 25.72 | 25.53 | 25.36 | 25.53 | 25.23 | 24.93 | 25.13 | 24.56 | ---- |
| Central Asia | ---- | ---- | ---- | ---- | 40.57 | 36.79 | 33.64 | 32.70 | 31.41 | 27.67 | 29.34 | 29.35 | |
| North West Pacific and East Asia | 43.76 | 44.31 | 42.83 | 41.34 | 41.52 | 40.92 | 40.21 | 39.52 | 39.70 | 39.83 | 39.81 | 38.93 | 38.70 |
| South Asia | 18.62 | 19.69 | 26.46 | 27.16 | 26.12 | 26.47 | 27.13 | 27.87 | 28.41 | 28.12 | 27.60 | 26.18 | 26.70 |
| South East Asia | 23.52 | 25.17 | 39.74 | 37.66 | 38.43 | 37.73 | 37.70 | 37.83 | 38.40 | 39.41 | 39.57 | 38.68 | 39.25 |
| South Pacific | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| EUROPE | ---- | ---- | ---- | 32.13 | 31.24 | 30.21 | 29.20 | 28.84 | 28.54 | 28.02 | 27.70 | 27.17 | 26.88 |
| Central Europe | ---- | ---- | ---- | 40.28 | 39.05 | 36.14 | 35.45 | 34.71 | 34.28 | 32.91 | 33.07 | 31.30 | 30.31 |
| Eastern Europe | ---- | ---- | ---- | 47.64 | 47.80 | 43.14 | 41.76 | 42.59 | 39.25 | 36.84 | 34.43 | 36.50 | 37.81 |
| Western Europe | ---- | ---- | ---- | 30.08 | 29.33 | 29.01 | 27.99 | 27.82 | 27.74 | 27.25 | 26.95 | 26.52 | 26.08 |
| LATIN AMERICA AND CARIBBEAN | ---- | 36.19 | 38.90 | 35.91 | 33.60 | 33.63 | 33.78 | 33.39 | 33.29 | 30.56 | 30.52 | 29.58 | 30.26 |
| Caribbean | ---- | ---- | ---- | 38.63 | 37.66 | 37.87 | 37.80 | 38.34 | 37.95 | 37.75 | 37.58 | 37.26 | 37.59 |
| Meso-America | ---- | 30.87 | 32.70 | 27.87 | 27.60 | 27.76 | 26.60 | 26.56 | 27.36 | 27.81 | 28.02 | 27.93 | 28.02 |
| South America | ---- | 38.23 | 41.93 | 38.69 | 35.92 | 36.09 | 36.98 | 35.98 | 34.53 | 30.89 | 30.87 | 29.63 | 30.63 |
| NORTH AMERICA | 38.00 | 33.84 | 33.15 | 28.06 | 26.96 | 26.00 | 26.01 | 27.03 | 27.08 | 26.19 | 26.23 | ---- | ---- |
| North America | 38.00 | 33.84 | 33.15 | 28.06 | 26.96 | 26.00 | 26.01 | 27.03 | 27.08 | 26.19 | 26.23 | ---- | ---- |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | ---- | ---- | 66.92 | 45.59 | 38.97 | 45.67 | 44.27 | 43.92 | 49.09 | 50.73 | 50.46 | 46.05 | ---- |
| Arabian Peninsula | ---- | ---- | 78.77 | 52.85 | 44.37 | 53.42 | 51.89 | 51.95 | 53.14 | 54.96 | 54.60 | 50.25 | ---- |
| Mashriq | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GLOBAL TOTALS | ---- | ---- | ---- | ---- | 31.48 | 31.19 | 31.31 | 31.35 | 30.62 | 30.35 | 31.05 | ---- | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ---- | ---- | ---- | ---- | 34.40 | 33.80 | 33.30 | 33.10 | 32.30 | 32.20 | 31.40 | ---- | ---- |

Comments:

GDP from industry comprises value added in mining, manufacturing (also reported as a separate subgroup), construction, electricity, water, and gas. Value added is the net output of a sector after adding up all outputs and subtracting intermediate inputs. It is calculated without making deductions for depreciation of fabricated assets or depletion and degradation of natural resources.

GDP measures the total output of goods and services for final use occurring within the domestic territory of a given country. GDP at purchaser values (market prices) is the sum of gross value added by all resident and non-resident producers in the economy plus any taxes and minus any subsidies not included in the value of the products. It is calculated without making deductions for depreciation of fabricated assets or for depletion and degradation of natural resources. The weighting factor, Current US\$, is used in the World Development Indicators 2001. Current US\$ is based on the World Bank's currency index for the period 1970 to 2010 with the base year 1995.

Gross Domestic Product - from Manufacturing

Units: percent

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | --- | 12.30 | 12.29 | 15.16 | 15.06 | 15.24 | 15.07 | 15.23 | 15.68 | 14.70 | 14.70 | 14.71 | 14.76 |
| Central Africa | --- | --- | 11.06 | 11.13 | 10.42 | 9.52 | 9.99 | 7.88 | 8.10 | 7.83 | 8.02 | 8.41 | 8.25 |
| Eastern Africa | --- | --- | --- | 10.00 | 9.74 | 8.98 | 8.43 | 9.24 | 8.59 | 9.17 | 9.32 | 9.40 | 9.47 |
| Northern Africa | --- | --- | 9.03 | 13.86 | 13.44 | 14.87 | 14.41 | 14.79 | 15.94 | 15.14 | 15.27 | 15.87 | 16.16 |
| Southern Africa | 20.03 | 20.67 | 20.44 | 20.86 | 20.44 | 20.35 | 19.46 | 19.33 | 19.58 | 18.26 | 17.99 | 17.22 | 16.95 |
| Western Africa | --- | 6.11 | 8.85 | 9.68 | 9.56 | 8.58 | 9.07 | 8.58 | 9.15 | 8.78 | 8.78 | 9.47 | 9.62 |
| Western Indian Ocean | --- | --- | 11.51 | 16.39 | 16.77 | 16.77 | 16.34 | 17.20 | 17.63 | 17.48 | 17.59 | 17.24 | 17.62 |
| ASIA AND PACIFIC | 26.42 | 28.29 | 26.66 | 25.73 | 26.12 | 25.69 | 24.97 | 24.46 | 24.89 | 24.87 | 24.97 | 24.46 | 24.44 |
| Australia and New Zealand | --- | --- | --- | 13.38 | 13.23 | 13.34 | 13.62 | 13.73 | 13.48 | 13.25 | 13.35 | 13.07 | 13.00 |
| Central Asia | --- | --- | --- | --- | --- | 14.51 | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | 33.78 | 30.90 | 28.71 | 28.66 | 27.93 | 26.71 | 25.99 | 26.46 | 26.71 | 27.02 | 26.59 | 26.26 |
| South Asia | 13.44 | 13.44 | 14.18 | 15.70 | 15.52 | 15.73 | 15.66 | 16.22 | 16.84 | 16.46 | 16.26 | 15.88 | 15.92 |
| South East Asia | 16.08 | 15.88 | 18.88 | 23.81 | 24.56 | 24.38 | 24.57 | 24.80 | 25.09 | 25.60 | 25.77 | 25.24 | 26.75 |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Europe | --- | --- | --- | --- | 24.24 | 22.47 | 21.93 | 22.25 | 22.30 | 20.53 | 20.55 | 19.08 | 18.11 |
| Eastern Europe | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Europe | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| LATIN AMERICA AND CARIBBEAN | --- | 25.27 | 25.65 | 24.69 | 23.21 | 22.23 | 21.46 | 20.80 | 21.38 | 21.22 | 21.15 | 20.88 | 20.79 |
| Caribbean | --- | 21.37 | 23.77 | 28.97 | 28.70 | 29.39 | 29.62 | 29.36 | 28.98 | 28.65 | 28.23 | 28.04 | 27.80 |
| Meso-America | --- | 22.44 | 21.75 | 20.42 | 20.27 | 20.00 | 18.86 | 18.57 | 20.26 | 20.89 | 20.83 | 20.71 | 20.80 |
| South America | --- | 26.65 | 27.76 | 25.96 | 24.07 | 22.75 | 22.12 | 21.18 | 21.20 | 20.86 | 20.84 | 20.49 | 20.30 |
| NORTH AMERICA | --- | 24.48 | 21.36 | 18.42 | 17.81 | 17.48 | 17.51 | 18.06 | 18.34 | 18.08 | --- | --- | --- |
| North America | --- | 24.48 | 21.36 | 18.42 | 17.81 | 17.48 | 17.51 | 18.06 | 18.34 | 18.08 | --- | --- | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | 6.60 | 9.94 | 9.31 | 9.90 | 9.85 | 11.44 | 10.66 | 10.64 | 11.02 | 11.69 | --- |
| Arabian Peninsula | --- | 6.75 | 4.90 | 8.17 | 7.73 | 8.38 | 8.58 | 9.42 | 9.68 | 9.81 | 10.16 | 10.68 | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | 22.32 | 21.69 | 20.84 | 20.88 | 21.10 | 20.72 | 20.19 | 19.83 | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

GDP from manufacturing refers to industries belonging to the International Standard Industrial Classification (ISIC) divisions 15-37. Value added is the net output of a sector after adding up all outputs and subtracting intermediate inputs. It is calculated without making deductions for depreciation of fabricated assets or depletion and degradation of natural resources. The origin of value added is determined by the ISIC, revision 3.

GDP measures the total output of goods and services for final use occurring within the domestic territory of a given country. Gross domestic product at purchaser values (market prices) is the sum of gross value added by all resident and non-resident producers in the economy plus any taxes and minus any subsidies not included in the value of the products. It is calculated without making deductions for depreciation of fabricated assets or for depletion and degradation of natural resources. The weighting factor, Current US\$, is used in the World Development Indicators 2001. Current US\$ is based on the World Bank's currency index for the period 1970 to 2010 with the base year 1995.

Gross Domestic Product - from Services

Units: percent

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | ---- | 46.55 | 40.41 | 46.81 | 47.06 | 48.17 | 49.28 | 49.78 | 49.96 | 48.62 | 49.27 | 50.15 | 49.57 |
| Central Africa | ---- | 45.00 | 40.80 | 45.16 | 45.10 | 44.13 | 43.06 | 36.07 | 36.92 | 35.06 | 34.32 | 36.33 | 36.84 |
| Eastern Africa | ---- | ---- | ---- | 41.78 | 42.46 | 42.93 | 40.74 | 42.56 | 43.99 | 44.33 | 46.19 | 45.86 | 46.43 |
| Northern Africa | ---- | 44.18 | 38.12 | 46.90 | 45.73 | 47.55 | 48.63 | 49.00 | 48.75 | 47.67 | 47.69 | 48.53 | 48.54 |
| Southern Africa | 50.79 | 52.31 | 45.04 | 51.82 | 53.26 | 56.38 | 56.75 | 57.37 | 58.29 | 57.93 | 58.86 | 59.68 | 58.14 |
| Western Africa | 33.48 | 43.63 | 37.94 | 37.38 | 36.69 | 33.52 | 35.32 | 35.95 | 35.46 | 33.19 | 33.94 | 36.99 | 36.74 |
| Western Indian Ocean | ---- | 59.71 | 56.14 | 55.74 | 55.76 | 55.78 | 55.73 | 54.67 | 56.55 | 56.71 | 57.49 | 58.35 | 59.47 |
| ASIA AND PACIFIC | 37.90 | 39.60 | 46.55 | 52.77 | 53.30 | 54.07 | 55.18 | 55.49 | 55.27 | 54.76 | 54.85 | 55.49 | 55.61 |
| Australia and New Zealand | ---- | ---- | ---- | 70.08 | 70.86 | 70.83 | 70.67 | 71.04 | 70.89 | 71.29 | 71.18 | 71.84 | ---- |
| Central Asia | ---- | ---- | ---- | 36.61 | 30.40 | 28.43 | 37.67 | 37.80 | 43.80 | 48.41 | 50.35 | 50.37 | 47.60 |
| North West Pacific and East Asia | 37.20 | 40.24 | 48.96 | 53.27 | 53.69 | 54.62 | 55.88 | 56.28 | 55.98 | 55.40 | 55.38 | 56.00 | 57.49 |
| South Asia | 36.55 | 36.10 | 41.40 | 43.70 | 44.46 | 44.42 | 44.45 | 43.90 | 44.67 | 44.89 | 46.20 | 46.50 | 46.96 |
| South East Asia | 47.96 | 42.90 | 38.46 | 46.59 | 46.35 | 47.11 | 48.22 | 48.22 | 47.76 | 47.20 | 47.43 | 48.25 | 47.43 |
| South Pacific | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| EUROPE | ---- | ---- | 60.63 | 62.53 | 64.19 | 66.21 | 67.26 | 67.92 | 68.21 | 68.73 | 69.18 | 69.91 | 70.34 |
| Central Europe | ---- | ---- | ---- | 44.29 | 48.69 | 52.57 | 52.64 | 54.53 | 54.85 | 56.19 | 57.05 | 58.21 | 60.68 |
| Eastern Europe | ---- | ---- | ---- | 33.95 | 36.30 | 46.37 | 47.20 | 48.67 | 50.77 | 54.01 | 56.59 | 55.80 | 54.30 |
| Western Europe | ---- | ---- | 61.28 | 66.50 | 67.52 | 68.29 | 69.46 | 69.61 | 69.75 | 70.28 | 70.72 | 71.27 | 71.82 |
| LATIN AMERICA AND CARIBBEAN | ---- | 51.19 | 50.96 | 55.54 | 58.17 | 58.67 | 58.88 | 58.42 | 58.48 | 61.48 | 61.94 | 62.77 | 62.47 |
| Caribbean | ---- | 58.17 | 51.81 | 57.05 | 57.41 | 57.86 | 58.46 | 58.01 | 58.07 | 58.19 | 57.61 | 58.07 | 57.63 |
| Meso-America | ---- | 54.01 | 56.84 | 63.13 | 63.84 | 64.55 | 66.11 | 66.57 | 65.41 | 64.61 | 64.98 | 65.40 | 65.87 |
| South America | ---- | 49.54 | 47.92 | 52.59 | 55.72 | 55.94 | 55.39 | 54.95 | 56.72 | 60.82 | 61.26 | 62.20 | 61.47 |
| NORTH AMERICA | 57.97 | 63.08 | 63.79 | 69.91 | 71.01 | 71.98 | 71.96 | 71.88 | 71.81 | 71.77 | 71.74 | ---- | ---- |
| North America | 57.97 | 63.08 | 63.79 | 69.91 | 71.01 | 71.98 | 71.96 | 71.88 | 71.81 | 71.77 | 71.74 | ---- | ---- |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | ---- | ---- | 28.56 | 45.01 | 51.79 | 45.46 | 47.16 | 47.45 | 44.56 | 43.51 | 44.31 | 48.30 | ---- |
| Arabian Peninsula | ---- | 27.83 | 20.28 | 42.19 | 50.74 | 41.47 | 42.91 | 43.17 | 42.51 | 41.37 | 41.91 | 46.16 | ---- |
| Mashriq | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GLOBAL TOTALS | ---- | ---- | ---- | 62.78 | 63.95 | 64.40 | 64.51 | 64.45 | 64.80 | 65.15 | 63.40 | ---- | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ---- | ---- | ---- | 59.00 | 59.87 | 60.69 | 61.05 | 61.56 | 62.31 | 62.60 | 63.36 | ---- | ---- |

Comments:

GDP from services include value added in wholesale and retail trade (including hotels and restaurants), transport, and government, financial, professional, and personal services such as education, health care, and real estate services. Also included are imputed bank service charges, import duties, and any statistical discrepancies noted by national compilers as well as discrepancies arising from rescaling. Value added is the net output of a sector after adding up all outputs and subtracting intermediate inputs. It is calculated without making deductions for depreciation of fabricated assets or depletion and degradation of natural resources. The industrial origin of value added is determined by the ISIC, revision 3.

GDP measures the total output of goods and services for final use occurring within the domestic territory of a given country. Gross domestic product at purchaser values (market prices) is the sum of gross value added by all resident and non-resident producers in the economy plus any taxes and minus any subsidies not included in the value of the products. It is calculated without making deductions for depreciation of fabricated assets or for depletion and degradation of natural resources. The weighting factor, Current US\$, is used in the World Development Indicators 2001. Current US\$ is based on the World Bank's currency index for the period 1970 to 2010 with the base year 1995.

Gross Domestic Product - per Capita

Units: constant 1995 US\$ per person

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| AFRICA | --- | --- | 855.03 | 727.35 | 715.19 | 694.65 | 680.91 | 681.62 | 683.80 | 702.30 | 705.54 | 711.09 | 748.70 |
| Central Africa | 416.62 | 437.24 | 462.70 | 429.23 | 405.87 | 376.22 | 344.33 | 330.20 | 331.58 | 329.40 | 329.29 | 334.09 | --- |
| Eastern Africa | --- | --- | --- | --- | --- | 195.17 | 198.46 | 194.80 | 202.60 | 210.58 | 212.50 | 212.51 | 214.05 |
| Northern Africa | 606.28 | 757.98 | 1085.26 | 1250.55 | 1248.03 | 1245.87 | 1226.90 | 1250.23 | 1245.85 | 1303.26 | 1313.91 | 1364.31 | 1393.75 |
| Southern Africa | --- | --- | 2185.41 | 1550.94 | 1508.13 | 1434.20 | 1403.76 | 1405.57 | 1411.94 | 1441.12 | 1446.99 | 1429.80 | 1420.14 |
| Western Africa | 299.94 | 350.65 | 382.50 | 335.24 | 335.53 | 332.42 | 327.35 | 324.16 | 327.42 | 334.17 | 337.96 | 340.27 | 340.19 |
| Western Indian Ocean | 477.65 | 502.47 | 511.34 | 524.16 | 506.65 | 513.81 | 519.26 | 512.61 | 512.97 | 518.08 | 525.54 | 533.03 | 535.60 |
| ASIA AND PACIFIC | 755.93 | 1394.00 | 1801.49 | 2311.94 | 2372.81 | 2402.00 | 2425.36 | 2461.74 | 2511.86 | 2617.54 | 2658.30 | 2588.08 | 2618.39 |
| Australia and New Zealand | 9975.21 | 13421.41 | 15601.52 | 18043.66 | 17846.76 | 18227.75 | 18841.96 | 19503.00 | 20114.85 | 20556.22 | 21194.03 | 21785.15 | 22505.90 |
| Central Asia | --- | --- | --- | 1519.14 | 1428.89 | 1240.44 | 1125.11 | 991.13 | 865.29 | 863.72 | 872.05 | 881.72 | 910.03 |
| North West Pacific and East Asia | 1130.21 | 2333.97 | 3068.48 | 4178.64 | 4318.27 | 4374.84 | 4411.58 | 4470.17 | 4555.72 | 4770.80 | 4856.30 | 4738.89 | 4793.72 |
| South Asia | 186.98 | 222.08 | 285.12 | 381.62 | 385.96 | 400.89 | 409.72 | 424.67 | 443.30 | 462.11 | 472.41 | 488.86 | 505.94 |
| South East Asia | --- | --- | --- | 1127.14 | 1184.23 | 1237.75 | 1311.19 | 1393.98 | 1483.37 | 1565.49 | 1602.16 | 1458.61 | 1488.85 |
| South Pacific | --- | 1839.74 | 1925.04 | 2192.07 | 2249.01 | 2301.50 | 2377.86 | 2398.71 | 2366.71 | 2391.13 | 2327.72 | 2274.00 | 2294.19 |
| EUROPE | --- | --- | --- | 12252.69 | 12218.74 | 12180.26 | 12056.28 | 12227.53 | 12475.29 | 12649.55 | 12949.68 | 13252.65 | 13521.40 |
| Central Europe | --- | --- | --- | 2906.71 | 2685.23 | 2648.49 | 2713.18 | 2666.08 | 2822.07 | 2961.07 | 3088.39 | 3163.32 | 3139.43 |
| Eastern Europe | --- | --- | --- | 3099.54 | 2857.63 | 2448.63 | 2219.61 | 1907.74 | 1807.92 | 1745.78 | 1770.57 | 1714.13 | 1770.51 |
| Western Europe | 8844.60 | 13213.36 | 16850.07 | 22370.38 | 22549.51 | 22712.43 | 22526.46 | 23056.64 | 23520.40 | 23819.94 | 24337.64 | 24934.57 | 25441.10 |
| LATIN AMERICA AND CARIBBEAN | 2020.52 | 2603.60 | 3598.84 | 3328.58 | 3404.13 | 3459.46 | 3541.93 | 3660.27 | 3655.51 | 3727.97 | 3855.13 | 3871.15 | 3819.14 |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | 1493.06 | 2066.23 | 2863.39 | 2736.75 | 2794.57 | 2849.52 | 2860.48 | 2926.48 | 2734.42 | 2813.15 | 2945.57 | 3042.16 | 3101.74 |
| South America | 2275.54 | 2846.84 | 3978.45 | 3591.50 | 3683.00 | 3742.97 | 3859.74 | 4009.52 | 4070.84 | 4142.90 | 4275.27 | 4255.06 | 4145.31 |
| NORTH AMERICA | 12926.69 | 16621.68 | 20540.43 | 25470.42 | 25039.71 | 25468.03 | 25828.55 | 26556.95 | 26927.16 | 27502.38 | 28369.77 | 29234.47 | 29953.61 |
| North America | 12926.69 | 16621.68 | 20540.43 | 25470.42 | 25039.71 | 25468.03 | 25828.55 | 26556.95 | 26927.16 | 27502.38 | 28369.77 | 29234.47 | 29953.61 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | 3413.36 | 3370.40 | 3323.52 | 3292.48 | 3216.98 | 3151.56 |
| Arabian Peninsula | --- | --- | --- | 5418.00 | 5516.69 | 5855.60 | 5771.07 | 5632.66 | 5494.02 | 5387.26 | 5287.73 | 5072.57 | 4884.95 |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | 3609.60 | 4322.98 | 4982.54 | 4970.60 | 4985.62 | 4981.68 | 5053.03 | 5113.52 | 5214.30 | 5312.86 | 5336.27 | 5402.85 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 2587.29 | 3591.58 | 4334.97 | 4993.68 | 4981.54 | 4997.64 | 4999.38 | 5077.38 | 5141.75 | 5245.68 | 5347.68 | 5373.44 | 5438.67 |

Comments:

GDP per capita is gross domestic product divided by midyear population. GDP is the sum of gross value added by all resident producers in the economy plus any product taxes and minus any subsidies not included in the value of the products. It is calculated without making deductions for depreciation of fabricated assets or for depletion and degradation of natural resources. Data are in constant 1995 U.S.\$.

Gross Domestic Product - Purchasing Power Parity Revisited

Units: Million Constant 1995 US\$

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1975-1999

| | 1975 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| AFRICA | 413981.84 | 695897.31 | 1337563.47 | 1609066.51 | 1707292.01 | 1751166.99 | 1793521.83 | 1845394.66 |
| Central Africa | 42398.00 | 60679.22 | 104919.76 | 100758.67 | 103164.56 | 103167.92 | 103470.13 | ---- |
| Eastern Africa | ---- | ---- | 89301.85 | 113733.14 | 123409.57 | 128630.97 | 129265.77 | 137895.62 |
| Northern Africa | 101916.60 | 206607.96 | 438377.00 | 542357.29 | 581585.18 | 593825.13 | 616668.50 | 654757.22 |
| Southern Africa | 180488.81 | 278079.94 | 476369.94 | 566081.23 | 598630.78 | 614964.07 | 622698.05 | 658727.15 |
| Western Africa | 71823.10 | 119576.02 | 208120.04 | 260963.72 | 274230.88 | 283425.88 | 293196.71 | 307540.21 |
| Western Indian Ocean | 6993.01 | 10935.39 | 20474.88 | 25172.46 | 26271.04 | 27153.02 | 28222.68 | 29645.38 |
| ASIA AND PACIFIC | 2192833.72 | 3790398.83 | 9715799.38 | 14480373.72 | 15652964.44 | 16362406.95 | 16476381.09 | 17612101.80 |
| Australia and New Zealand | 133433.63 | 218121.37 | 433518.88 | 572934.35 | 601970.81 | 623408.24 | 635296.02 | 680093.02 |
| Central Asia | ---- | ---- | 251366.48 | 178233.28 | 181777.82 | 184448.81 | 184653.91 | 198593.66 |
| North West Pacific and East Asia | 1234027.31 | 2180904.17 | 5604860.63 | 8628350.36 | 9363814.18 | 9837393.16 | 9958146.78 | 10643514.25 |
| South Asia | 572936.56 | 882786.76 | 2177169.68 | 3135976.06 | 3373494.63 | 3505639.62 | 3657827.92 | 3936477.54 |
| South East Asia | 245222.26 | 497240.14 | 1226751.72 | 1933533.25 | 2098515.96 | 2178568.98 | 2008393.11 | 2119793.75 |
| South Pacific | 7213.96 | 11346.40 | 22132.01 | 31346.42 | 33391.04 | 32948.15 | 32063.36 | 33629.58 |
| EUROPE | ---- | ---- | 12133004.79 | 13196046.27 | 13521948.10 | 13824348.43 | 13939678.19 | 14570583.22 |
| Central Europe | ---- | ---- | 1380844.60 | 1534676.06 | 1625123.64 | 1681956.16 | 1696805.93 | 1731407.87 |
| Eastern Europe | ---- | ---- | 2535884.95 | 1718176.01 | 1671503.02 | 1691003.42 | 1637802.52 | 1751411.43 |
| Western Europe | 2782916.51 | 4538622.99 | 8216275.24 | 9943194.19 | 10225321.43 | 10451388.84 | 10605069.74 | 11087763.93 |
| LATIN AMERICA AND CARIBBEAN | 921324.93 | 1704467.50 | 2820804.23 | 3766116.65 | 3953558.30 | 4141652.11 | 4180863.43 | 4283857.40 |
| Caribbean | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Meso-America | 234788.73 | 452613.90 | 778010.30 | 980203.08 | 1035135.54 | 1090217.06 | 1129509.69 | 1191732.35 |
| South America | 662379.97 | 1208233.28 | 1966886.01 | 2693243.34 | 2821301.89 | 2950065.94 | 2946123.66 | 2978956.74 |
| NORTH AMERICA | 2449556.78 | 4101627.50 | 8127162.92 | 10285013.43 | 10781468.80 | 11214711.56 | 11508247.85 | 12201138.85 |
| North America | 2449556.78 | 4101627.50 | 8127162.92 | 10285013.43 | 10781468.80 | 11214711.56 | 11508247.85 | 12201138.85 |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arabian Peninsula | 94925.70 | 199789.64 | 279889.67 | 374938.99 | 391162.44 | 399824.80 | 395057.35 | 402324.80 |
| Mashriq | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GLOBAL TOTALS | ---- | ---- | 34474094.76 | 43809201.34 | 46110572.91 | 47803498.95 | 48413256.15 | 51053859.58 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

GDP - purchasing power parity is gross domestic product converted to international dollars using purchasing power parity rates. An international dollar has the same purchasing power over GDP as the U.S. dollar has in the United States. GDP is the sum of gross value added by all resident producers in the economy plus any product taxes and minus any subsidies not included in the value of the products. It is calculated without making deductions for depreciation of fabricated assets or for depletion and degradation of natural resources.

Data sources: purchasing power parity conversion factors are estimates by World Bank staff based on data collected by the International Comparison Programme.

Gross Electricity Production – Total

Units: gigawatt-hour

Data Source: Energy Statistics of OECD Countries (1960-1999), and Non-OECD Countries (1971-1999)

Data Provider: International Energy Agency (IEA)

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|--------|---------|---------|----------|----------|----------|----------|----------|----------|
| AFRICA | --- | --- | 178398 | 313249 | 359522 | 378594 | 397039 | 404335 | 413171 |
| Central Africa | --- | --- | 6583 | 9755 | 9457 | 9745 | 10011 | 9968 | 10149 |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | 39883 | 92115 | 112052 | 117133 | 123351 | 130735 | 139081 |
| Southern Africa | --- | --- | 114884 | 185840 | 207775 | 219752 | 230068 | 231200 | 229824 |
| Western Africa | --- | --- | --- | 21303 | 24792 | 26128 | 27560 | 26205 | 27730 |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | 1492127 | 2695180 | 3594781 | 3772762 | 3950862 | 4056323 | 4248168 |
| Australia and New Zealand | 28427 | 63601 | 118704 | 187343 | 208771 | 214221 | 220174 | 233752 | 241482 |
| Central Asia | --- | --- | 144856 | 193328 | 151031 | 143315 | 134194 | 130498 | 130615 |
| North West Pacific and East Asia | --- | --- | 1004441 | 1759070 | 2400373 | 2524115 | 2635218 | 2683317 | 2807715 |
| South Asia | --- | --- | 160850 | 397982 | 573348 | 601737 | 640843 | 681801 | 727299 |
| South East Asia | --- | --- | 63276 | 157457 | 261258 | 289374 | 320433 | 326955 | 341057 |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | --- | --- | 3388813 | 4398936 | 4214403 | 4278219 | 4297371 | 4368697 | 4433215 |
| Central Europe | --- | --- | 436188 | 540342 | 548125 | 574724 | 579420 | 588774 | 579916 |
| Eastern Europe | --- | --- | 1121496 | 1496773 | 1114536 | 1090547 | 1073494 | 1060314 | 1080616 |
| Western Europe | 566668 | 1204664 | 1831129 | 2361821 | 2551742 | 2612948 | 2644457 | 2719609 | 2772683 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | 361794 | 606824 | 766526 | 811973 | 859636 | 892597 | 922118 |
| Caribbean | --- | --- | 18029 | 25703 | 29576 | 32091 | 34284 | 35266 | 35879 |
| Meso-America | --- | --- | 76422 | 137136 | 172313 | 183265 | 197817 | 205403 | 217609 |
| South America | --- | --- | 267343 | 443985 | 564637 | 596617 | 627535 | 651928 | 668630 |
| NORTH AMERICA | 915795 | 1833542 | 2800699 | 3679411 | 4142095 | 4249932 | 4271385 | 4392108 | 4517341 |
| North America | 915795 | 1833542 | 2800699 | 3679411 | 4142095 | 4249932 | 4271385 | 4392108 | 4517341 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | 60343 | 155669 | 224262 | 238288 | 252399 | 269410 | 281089 |
| Arabian Peninsula | --- | --- | 41178 | 114920 | 168871 | 179380 | 190096 | 204498 | 214977 |
| Mashriq | --- | --- | 19165 | 40749 | 55391 | 58908 | 62303 | 64912 | 66112 |
| GLOBAL TOTALS | --- | --- | 8282174 | 11849269 | 13301589 | 13729768 | 14028692 | 14383470 | 14815102 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | --- | --- | 8296607 | 11870159 | 13324938 | 13753121 | 14051976 | 14407120 | 14838752 |

Comments:

Gross electricity production is measured at the terminals of all alternator sets in a station; it therefore includes the energy taken by station auxiliaries and losses in transformers that are considered integral parts of the station.

The difference between gross and net production is generally calculated as 7 percent for conventional thermal stations, 1 percent for hydro stations, and 6 percent for nuclear, geothermal and solar stations. Hydro stations' production includes production from pumped storage plants.

A gigawatt-hour is defined as 85.98 toe (tonnes of oil equivalents) or 3.6 TJ (terajoules).

Military Expenditures - Percent of Central Government Expenditures

Units: percent

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1985-1997

| | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | 12.21 | --- | 13.52 | 15.20 | 13.09 | 13.34 | 11.09 | 9.83 | 9.45 | 9.93 | 8.97 | 9.18 | 8.64 |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | 17.16 | 17.60 | 23.19 | 21.85 | 21.15 | 22.59 | 20.29 | 13.27 | 11.07 | 9.55 | 11.62 | 12.05 | 12.45 |
| Northern Africa | --- | 12.41 | 13.04 | 12.43 | 12.58 | 10.16 | 11.42 | 8.61 | 9.40 | 9.65 | 9.47 | 10.73 | 11.09 |
| Southern Africa | 12.73 | --- | 14.41 | 18.61 | 13.72 | 16.10 | 10.98 | 9.69 | 9.69 | 10.01 | 8.05 | 7.64 | 6.28 |
| Western Africa | 9.69 | 7.12 | 7.16 | 9.93 | 10.48 | --- | 9.66 | 11.82 | 8.52 | 11.17 | 9.70 | 9.95 | 9.10 |
| Western Indian Ocean | 5.78 | 5.63 | --- | 4.09 | 3.63 | 3.89 | 3.83 | 3.08 | 3.37 | 2.65 | 2.64 | 3.17 | 3.81 |
| ASIA AND PACIFIC | 13.62 | 13.36 | 11.38 | 10.83 | 10.40 | 10.54 | 9.69 | 9.62 | 9.57 | 9.45 | 9.57 | 9.87 | 9.89 |
| Australia and New Zealand | 9.40 | 8.61 | 9.06 | 8.63 | 8.58 | 8.91 | 9.12 | 8.69 | 9.16 | 8.89 | 8.40 | 8.34 | 8.07 |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- | 7.69 | 5.97 | --- | --- |
| North West Pacific and East Asia | 10.85 | 9.00 | 8.52 | 8.62 | 8.75 | 9.20 | 8.96 | 9.08 | 8.74 | 8.65 | 8.86 | 9.18 | 9.34 |
| South Asia | 25.06 | 32.95 | 25.84 | 23.47 | 20.56 | 18.77 | 15.18 | 14.87 | 15.05 | 15.20 | 13.84 | 14.63 | 14.70 |
| South East Asia | 12.95 | 12.28 | 13.48 | 13.53 | 12.55 | 13.06 | 13.40 | 13.00 | 14.16 | 13.42 | 14.73 | 13.63 | 12.30 |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | --- | --- | 8.46 | 8.19 | 8.26 | 7.92 | 7.66 | 7.68 | 7.93 | 6.97 | 6.41 | 6.37 | 6.67 |
| Central Europe | 20.97 | 22.03 | 21.18 | 19.40 | --- | --- | --- | 12.30 | 10.50 | 10.28 | 11.12 | 10.08 | 9.49 |
| Eastern Europe | --- | --- | --- | --- | --- | --- | --- | 26.06 | 33.35 | 24.11 | 23.39 | 21.28 | 24.67 |
| Western Europe | 8.13 | 7.84 | 8.10 | 7.90 | 7.96 | 7.54 | 7.37 | 6.60 | 6.28 | 6.04 | 5.70 | 5.69 | 5.74 |
| LATIN AMERICA AND CARIBBEAN | 6.31 | 6.06 | 6.91 | 6.64 | 5.84 | 6.10 | 6.48 | 5.93 | 6.44 | 6.48 | 6.64 | --- | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | 5.27 | 4.53 | 4.75 | 4.17 | 4.38 | 4.66 | 3.93 | 4.21 | 4.20 | 4.57 | 4.25 | 3.83 | 6.03 |
| South America | 7.05 | 6.59 | 7.57 | 7.58 | 6.25 | 6.36 | 7.18 | 6.42 | 7.28 | 7.13 | 7.06 | --- | --- |
| NORTH AMERICA | 24.04 | 25.41 | 25.44 | 24.37 | 23.56 | 21.71 | 18.14 | 19.50 | 18.52 | 17.60 | 17.40 | 16.50 | 16.30 |
| North America | 24.04 | 25.41 | 25.44 | 24.37 | 23.56 | 21.71 | 18.14 | 19.50 | 18.52 | 17.60 | 17.40 | 16.50 | 16.30 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | 41.19 | 33.63 | 36.41 | 65.78 | --- | 68.66 | 37.94 | 36.32 | 35.41 | 33.25 | 31.79 |
| Arabian Peninsula | 28.13 | 31.21 | 41.36 | 33.85 | 35.90 | 68.78 | --- | 70.99 | 38.89 | 37.49 | 36.92 | 34.79 | 33.73 |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | 16.94 | 16.72 | 15.95 | 15.00 | 14.64 | 14.03 | 12.42 | 12.54 | 11.84 | 11.01 | 10.45 | 10.53 | 10.74 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 17.06 | 16.85 | 16.45 | 15.52 | 15.29 | 14.58 | 11.96 | 12.69 | 11.98 | 11.14 | 10.25 | 10.47 | 10.75 |

Comments:

Military expenditures for North Atlantic Treaty Organization (NATO) countries are based on the NATO definition, which covers military-related expenditures of the defence ministry (including recruiting, training, construction, and the purchase of military supplies and equipment) and other ministries. Civilian-type expenditures of the defence ministry are excluded. Military assistance is included in the expenditures of the donor country, and purchases of military equipment on credit are included at the time the debt is incurred, not at the time of payment. Data for other countries generally cover expenditures of the ministry of defence (excluded are expenditures on public order and safety, which are classified separately)

Data sources: the data on military expenditures are from the Bureau of Verification and Compliance's World Military Expenditures and Arms Transfers 1998 (U.S. Department of State 1999).

Official Development Assistance and Official Aid

Units: million constant 1995 US\$

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| AFRICA | 1202.69 | 1957.17 | 12780.54 | 30818.66 | 30243.21 | 29796.00 | 25876.60 | 27789.06 | 26316.83 | 23295.35 | 20635.45 | 20400.02 | 18000.46 |
| Central Africa | 90.66 | 284.90 | 1261.90 | 2994.36 | 2299.87 | 2145.99 | 1819.98 | 2495.11 | 1802.05 | 2113.07 | 1690.47 | 1261.02 | 1396.55 |
| Eastern Africa | 116.27 | 264.89 | 1894.45 | 5189.36 | 4534.43 | 5320.04 | 5388.74 | 5483.44 | 4891.74 | 3792.59 | 3033.75 | 2963.11 | 2923.45 |
| Northern Africa | 889.89 | 639.81 | 4207.42 | 10074.03 | 9905.32 | 7434.58 | 5224.02 | 5376.52 | 3959.31 | 4421.77 | 3825.77 | 4084.31 | 3584.95 |
| Southern Africa | ---- | ---- | ---- | ---- | ---- | ---- | 6357.87 | 6372.04 | 7764.82 | 5636.16 | 5597.26 | 5467.07 | 4602.11 |
| Western Africa | 64.58 | 516.73 | 2731.56 | 6427.59 | 6687.41 | 6632.07 | 6404.13 | 7481.84 | 7284.69 | 6619.81 | 5197.00 | 5743.34 | 4804.62 |
| Western Indian Ocean | 5.22 | 83.49 | 442.94 | 793.58 | 860.76 | 694.44 | 681.86 | 580.10 | 614.22 | 711.96 | 1291.20 | 881.17 | 688.77 |
| ASIA AND PACIFIC | 2244.83 | 3907.83 | 11582.14 | 18165.01 | 20516.41 | 21659.68 | 19481.48 | 22106.16 | 20869.64 | 18229.18 | 15603.86 | 18430.17 | 19170.54 |
| Australia and New Zealand | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Central Asia | ---- | ---- | ---- | ---- | ---- | 39.72 | 208.50 | 428.64 | 646.67 | 717.42 | 747.18 | 870.38 | 889.02 |
| North West Pacific and East Asia | 325.68 | 348.92 | 278.22 | 2771.06 | 2717.74 | 3971.76 | 4284.21 | 4227.68 | 4815.66 | 3441.11 | 2812.68 | 3330.10 | 3411.85 |
| South Asia | 1312.72 | 1727.99 | 6691.86 | 7686.26 | 10263.93 | 8500.28 | 6708.91 | 9070.50 | 6753.49 | 6731.21 | 5673.51 | 6548.58 | 5572.60 |
| South East Asia | 596.23 | 1500.23 | 3377.18 | 6093.45 | 5785.93 | 7380.37 | 6425.56 | 6254.99 | 6429.81 | 5292.79 | 4562.84 | 5803.72 | 7710.30 |
| South Pacific | ---- | 330.69 | 1234.89 | 1614.24 | 1608.09 | 1767.57 | 1854.31 | 2124.35 | 2224.00 | 2046.64 | 1807.66 | 1877.39 | 1586.76 |
| EUROPE | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Central Europe | ---- | ---- | ---- | 3704.93 | 7728.92 | 4067.60 | 3173.80 | 4741.22 | 7876.39 | 4972.22 | 4142.44 | 5212.72 | 6801.61 |
| Eastern Europe | ---- | ---- | ---- | 685.27 | 1415.71 | 3544.60 | 4031.22 | 3565.02 | 3475.41 | 3145.70 | 2016.73 | 2349.02 | 3825.69 |
| Western Europe | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| LATIN AMERICA AND CARIBBEAN | 187.46 | 1177.41 | 2547.47 | 5950.12 | 6639.24 | 6160.10 | 6110.80 | 6332.21 | 7303.47 | 7086.39 | 5773.72 | 5736.21 | 6065.16 |
| Caribbean | ---- | 125.29 | 704.46 | 1042.83 | 804.56 | 657.08 | 554.11 | 1224.13 | 1644.35 | 1105.07 | 966.78 | 1119.84 | 928.18 |
| Meso-America | 52.44 | 257.11 | 850.80 | 2327.37 | 2772.16 | 2828.61 | 2374.34 | 2485.46 | 2549.48 | 2674.55 | 1756.83 | 1748.75 | 2591.57 |
| South America | 123.08 | 795.01 | 992.21 | 2579.92 | 3062.52 | 2674.41 | 3182.35 | 2622.63 | 3109.64 | 3306.78 | 3050.10 | 2867.62 | 2545.42 |
| NORTH AMERICA | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| North America | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | 147.34 | 199.02 | 5230.09 | 3215.00 | 3000.89 | 1622.04 | 1958.33 | 3017.95 | 2777.28 | 2874.67 | 2843.30 | 2466.86 | 2505.21 |
| Arabian Peninsula | 29.11 | 34.40 | 1169.21 | 825.42 | 494.55 | 504.47 | 605.77 | 408.70 | 383.33 | 535.25 | 665.02 | 549.18 | 688.38 |
| Mashriq | 118.22 | 164.62 | 4060.89 | 2389.57 | 2506.34 | 1117.58 | 1352.56 | 2609.25 | 2393.95 | 2339.42 | 2178.28 | 1917.67 | 1816.83 |
| GLOBAL TOTALS | 4132.50 | 7575.53 | 34608.31 | 64321.92 | 71778.81 | 69463.01 | 62265.10 | 69166.46 | 69054.37 | 62492.15 | 52553.52 | 55967.90 | 57543.29 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 4132.50 | 4132.50 | 4132.50 | 4132.50 | 4132.50 | 4132.50 | 4132.50 | 4132.50 | 4132.50 | 4132.50 | 4132.50 | 4132.50 | 4132.50 |

Comments:

Official development assistance and net official aid (ODA) is the net amount of disbursed grants and concessional loans received by a country less repayments of concessional loans. Grants include gifts of money, goods, or services for which no repayment is required. A concessional loan has a grant element of 25 percent or more. The grant element is the amount by which the face value of the loan exceeds its present market value because of below-market interest rates, favourable maturity schedules, or repayment grace periods. Nonconcessional loans are not a component of ODA.

ODA receipts are shown as positive numbers; for some developing countries (e.g., Republic of Korea) the data are shown as negative numbers because of net repayments of concessional loans. The ratios include aid allocated by country only (e.g. for administrative costs, research into development issues, aid to nongovernmental organizations). Regional allocated aid is not included.

Total Debt Service - Percent of Exports of Goods and Services

Units: percent

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1970-1999

| | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | ---- | 16.29 | 25.23 | 26.87 | 26.78 | 24.37 | 20.16 | 18.67 | 17.13 | 16.91 | 17.60 | 17.26 |
| Central Africa | 4.00 | 17.43 | 16.30 | 14.21 | 13.33 | 10.68 | 17.62 | 13.15 | 13.57 | 11.36 | 13.06 | ---- |
| Eastern Africa | ---- | 16.50 | 35.63 | 33.38 | 29.81 | 26.80 | 30.47 | 24.75 | 27.24 | 17.60 | 19.03 | 24.45 |
| Northern Africa | ---- | 23.07 | 38.03 | 39.53 | 40.65 | 39.08 | 29.36 | 23.85 | 21.15 | 20.00 | 21.87 | 21.71 |
| Southern Africa | ---- | ---- | ---- | ---- | ---- | ---- | 10.55 | 15.28 | 13.20 | 16.18 | 14.63 | 15.04 |
| Western Africa | ---- | 9.13 | 23.91 | 22.89 | 25.42 | 16.74 | 21.40 | 17.01 | 17.34 | 14.23 | 16.79 | 13.06 |
| Western Indian Ocean | ---- | 15.41 | 15.80 | 13.38 | 10.66 | 8.45 | 8.32 | 8.61 | 7.40 | 13.52 | 11.93 | 11.10 |
| ASIA AND PACIFIC | ---- | ---- | 14.57 | 12.11 | 12.02 | 12.81 | 11.38 | 11.69 | 12.22 | 11.09 | 12.85 | 16.05 |
| Australia and New Zealand | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Central Asia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 6.51 | 9.33 | 14.64 | 19.42 |
| North West Pacific and East Asia | ---- | ---- | 11.44 | 9.25 | 8.97 | 9.95 | 8.04 | 9.00 | 9.00 | 8.00 | 10.72 | 16.03 |
| South Asia | 32.00 | 9.53 | 19.58 | 17.95 | 17.90 | 18.33 | 22.29 | 26.04 | 22.69 | 23.11 | 18.75 | 17.00 |
| South East Asia | ---- | ---- | 21.10 | 17.60 | 18.20 | 18.21 | 16.18 | 14.41 | 16.34 | 14.72 | 15.97 | 15.87 |
| South Pacific | ---- | 10.60 | 25.45 | 20.86 | 21.58 | 22.86 | 23.52 | 15.71 | 11.46 | 13.25 | 6.75 | 7.55 |
| EUROPE | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Central Europe | ---- | ---- | 18.95 | 19.93 | 22.00 | 15.99 | 18.54 | 16.65 | 15.33 | 14.97 | 17.86 | 20.32 |
| Eastern Europe | ---- | ---- | ---- | ---- | 2.00 | 2.82 | 4.37 | 6.82 | 6.56 | 6.70 | 11.20 | 12.82 |
| Western Europe | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| LATIN AMERICA AND CARIBBEAN | ---- | 34.79 | 23.59 | 23.83 | 25.64 | 27.14 | 24.69 | 26.18 | 31.11 | 35.10 | 31.78 | 40.85 |
| Caribbean | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Meso-America | ---- | 34.90 | 19.74 | 22.53 | 30.87 | 31.23 | 24.82 | 24.96 | 32.32 | 29.95 | 18.36 | 22.64 |
| South America | ---- | 40.66 | 26.63 | 25.37 | 22.99 | 26.26 | 26.27 | 29.10 | 32.61 | 42.26 | 47.51 | 65.02 |
| NORTH AMERICA | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| North America | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arabian Peninsula | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Mashriq | ---- | ---- | 20.80 | 14.13 | 10.70 | 8.27 | 9.17 | 7.64 | 9.23 | 12.38 | 11.02 | ---- |
| GLOBAL TOTALS | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |

Comments:

Total debt service is the sum of principal repayments and interest actually paid in foreign currency, goods, or services on long-term debt, interest paid on short-term debt, and repayments (repurchases and charges) to the International Monetary Fund.

Total External Debt

Units: million constant 1995 US\$

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1971-1999

| | 1971 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|--|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|
| AFRICA | 16960.40 | 135185.31 | 327806.65 | 332275.38 | 328186.25 | 332929.86 | 382571.64 | 406099.74 | 399333.65 | 380064.67 | 392033.61 | 370726.88 |
| Central Africa | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Eastern Africa | 1233.35 | 7504.48 | 28351.59 | 30032.32 | 29944.99 | 31018.32 | 32337.49 | 33415.36 | 32607.18 | 32410.18 | 33730.74 | 27451.53 |
| Northern Africa | 6948.70 | 71249.62 | 135962.96 | 133912.33 | 131497.75 | 129377.46 | 140053.10 | 147825.51 | 145032.19 | 136872.35 | 139847.77 | 133119.55 |
| Southern Africa | ---- | ---- | ---- | ---- | ---- | ---- | 78534.89 | 85084.92 | 84873.92 | 82304.74 | 85004.41 | 81438.50 |
| Western Africa | 4245.37 | 32882.67 | 94231.14 | 96690.53 | 92253.97 | 96473.21 | 98852.21 | 103636.20 | 101546.96 | 93043.60 | 96457.18 | 93028.45 |
| Western Indian Ocean | 659.90 | 2326.62 | 6355.56 | 6693.52 | 6706.90 | 6504.98 | 7372.60 | 8128.92 | 7972.05 | 8753.23 | 9168.94 | 9146.09 |
| ASIA AND PACIFIC | ---- | ---- | 508521.39 | 560905.62 | 620190.97 | 687873.79 | 807705.36 | 909472.92 | 978297.22 | 1047649.04 | 1091640.46 | 1073976.78 |
| Australia and New Zealand | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Central Asia | ---- | ---- | ---- | ---- | 136.42 | 4683.41 | 6927.88 | 9061.92 | 9934.46 | 13676.93 | 17940.09 | 18853.90 |
| North West Pacific and East Asia | ---- | ---- | 113920.49 | 126190.03 | 147570.96 | 168493.91 | 218745.61 | 257985.23 | 309381.20 | 358772.71 | 371541.89 | 359540.28 |
| South Asia | 17331.80 | 52282.14 | 168897.88 | 179355.19 | 193888.75 | 209624.00 | 226133.36 | 219330.42 | 210351.80 | 204078.90 | 216904.86 | 213778.51 |
| South East Asia | 11802.48 | 69552.35 | 221522.02 | 250957.29 | 273012.25 | 299987.25 | 351489.84 | 419059.97 | 444654.97 | 467072.51 | 481006.99 | 477591.16 |
| South Pacific | 537.99 | 1367.88 | 4181.01 | 4403.12 | 5582.58 | 5085.23 | 4408.67 | 4035.37 | 3974.80 | 4047.99 | 4246.63 | 4212.93 |
| EUROPE | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Central Europe | ---- | ---- | 177609.71 | 191578.03 | 193217.88 | 232186.42 | 234669.16 | 264563.92 | 278321.61 | 292903.64 | 338171.95 | 343214.15 |
| Eastern Europe | ---- | ---- | ---- | 100102.34 | 149257.50 | 165964.99 | 169658.99 | 177190.23 | 181256.64 | 247449.81 | 244545.81 | ----- |
| Western Europe | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| LATIN AMERICA AND CARIBBEAN | 46251.29 | 306336.62 | 561462.29 | 579306.84 | 596431.04 | 646849.59 | 696453.25 | 777367.25 | 807465.59 | 853278.19 | 961000.25 | 982031.85 |
| Caribbean | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Meso-America | 11176.52 | 86964.93 | 169971.34 | 182590.70 | 180563.56 | 206092.18 | 218851.50 | 250388.62 | 232834.21 | 223310.52 | 239928.16 | 251545.24 |
| South America | 33079.29 | 212703.03 | 374389.34 | 379967.38 | 399199.12 | 424191.14 | 461223.01 | 510021.52 | 558658.25 | 614091.59 | 704598.70 | 713205.28 |
| NORTH AMERICA | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| North America | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arabian Peninsula | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Mashriq | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GLOBAL TOTALS | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Total external debt is debt owed to non-residents repayable in foreign currency, goods, or services. Total external debt is the sum of public, publicly guaranteed, and private non-guaranteed long-term debt, use of International Monetary Fund (IMF) credit, and short-term debt. Short-term debt includes all debt having an original maturity of one year or less and interest in arrears on long-term debt.

Exchange Rate - Alternative Conversion Factor

For this variable, regional aggregations are not meaningful. For national-level data, see the enclosed CD ROM.

1.1.2 Education

Total enrolment in a specific level of education, regardless of age, expressed as a percentage of the official school-age population corresponding to the same level of education in a given school-year. Gross Enrolment Ratio is widely used to show the general level of participation in a given level of education. It indicates the capacity of the education system to enrol students of a particular age-group. It is used as a substitute indicator to net enrolment ratio (NER) when data on enrolment by single years of age are not available. Furthermore, it can also be a complementary indicator to NER by indicating the extent of over-aged and under-aged enrolment.

Calculation methods: divide the number of pupils enrolled in a given level of education regardless of age by the population of the age-group which officially corresponds to the given level of education, and multiply the result by 100.

Enrolment Ratios in Primary Education

Units: percent

Data Source: World Education Report 2000

Data Provider: The Institute for Statistics (UIS) of the United Nations Organization for Education, Science and Culture (UNESCO)

Years: 1990, 1996

Gross Enrolment Ratios in Primary Education

| | 1990 |
|---|---------------|
| AFRICA | 78.78 |
| Central Africa | 76.43 |
| Eastern Africa | 63.51 |
| Northern Africa | 84.81 |
| Southern Africa | 94.31 |
| Western Africa | 73.16 |
| Western Indian Ocean | 101.88 |
| ASIA AND PACIFIC | 104.57 |
| Australia and New Zealand | 107.66 |
| Central Asia | 86.27 |
| North West Pacific and East Asia | 122.02 |
| South Asia | 90.36 |
| South East Asia | 109.12 |
| South Pacific | 83.14 |
| EUROPE | 100.72 |
| Central Europe | 96.48 |
| Eastern Europe | 100.99 |
| Western Europe | 103.94 |
| LATIN AMERICA AND CARIBBEAN | 104.76 |
| Caribbean | ---- |
| Meso-America | 107.31 |
| South America | 105.37 |
| NORTH AMERICA | 102.10 |
| North America | 102.10 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | 97.30 |
| Arabian Peninsula | ---- |
| Mashriq | 110.14 |
| GLOBAL TOTALS | 99.59 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 99.20 |

Net Enrolment Ratios in Primary Education

| | 1990 |
|---|--------------|
| AFRICA | ---- |
| Central Africa | ---- |
| Eastern Africa | ---- |
| Northern Africa | ---- |
| Southern Africa | 70.20 |
| Western Africa | ---- |
| Western Indian Ocean | ---- |
| ASIA AND PACIFIC | ---- |
| Australia and New Zealand | 99.17 |
| Central Asia | ---- |
| North West Pacific and East Asia | 97.37 |
| South Asia | ---- |
| South East Asia | ---- |
| South Pacific | ---- |
| EUROPE | ---- |
| Central Europe | ---- |
| Eastern Europe | ---- |
| Western Europe | ---- |
| LATIN AMERICA AND CARIBBEAN | 87.24 |
| Caribbean | ---- |
| Meso-America | 97.50 |
| South America | 84.94 |
| NORTH AMERICA | 96.10 |
| North America | 96.10 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | ---- |
| Arabian Peninsula | ---- |
| Mashriq | ---- |
| GLOBAL TOTALS | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ---- |

Comments:

Primary education provides children with basic reading, writing, and mathematics skills along with an elementary understanding of such subjects as history, geography, natural science, social science, art, and music.

Enrolment Ratios in Secondary Education

Units: percent

Data Source: World Education Report 2000

Data Provider: The Institute for Statistics (UIS) of the United Nations Organization for Education, Science and Culture (UNESCO)

Years: 1990, 1996

Gross Enrolment Ratios in Secondary Education

| | 1990 | 1996 |
|---|-------|--------|
| AFRICA | 30.06 | 34.30 |
| Central Africa | 22.06 | 25.47 |
| Eastern Africa | 15.01 | 14.28 |
| Northern Africa | 55.42 | 60.11 |
| Southern Africa | 30.93 | 38.70 |
| Western Africa | 21.30 | 26.39 |
| Western Indian Ocean | 20.47 | 19.33 |
| ASIA AND PACIFIC | 46.37 | 60.01 |
| Australia and New Zealand | 83.38 | 141.31 |
| Central Asia | 99.13 | 88.48 |
| North West Pacific and East Asia | 55.15 | 73.90 |
| South Asia | 39.63 | 51.00 |
| South East Asia | 41.09 | 51.40 |
| South Pacific | 19.48 | ---- |
| EUROPE | 87.47 | 96.71 |
| Central Europe | 68.15 | 74.61 |
| Eastern Europe | 92.58 | ---- |
| Western Europe | 94.56 | 111.93 |
| LATIN AMERICA AND CARIBBEAN | 50.47 | 60.62 |
| Caribbean | ---- | ---- |
| Meso-America | 48.87 | 58.95 |
| South America | 50.42 | 61.00 |
| NORTH AMERICA | 93.79 | 97.78 |
| North America | 93.79 | 97.78 |
| POLAR | ---- | ---- |
| Antarctic | ---- | ---- |
| Arctic | ---- | ---- |
| WEST ASIA | 49.83 | 49.77 |
| Arabian Peninsula | ---- | 55.49 |
| Mashriq | 51.12 | 45.07 |
| GLOBAL TOTALS | 51.61 | 61.47 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 51.80 | ---- |

Net Enrolment Ratios in Secondary Education

| | 1990 | 1996 |
|---|-------|-------|
| AFRICA | ---- | ---- |
| Central Africa | ---- | ---- |
| Eastern Africa | ---- | ---- |
| Northern Africa | ---- | ---- |
| Southern Africa | ---- | ---- |
| Western Africa | ---- | ---- |
| Western Indian Ocean | ---- | ---- |
| ASIA AND PACIFIC | ---- | ---- |
| Australia and New Zealand | 80.18 | 89.59 |
| Central Asia | ---- | ---- |
| North West Pacific and East Asia | ---- | ---- |
| South Asia | ---- | ---- |
| South East Asia | ---- | ---- |
| South Pacific | ---- | ---- |
| EUROPE | ---- | ---- |
| Central Europe | ---- | 66.45 |
| Eastern Europe | ---- | ---- |
| Western Europe | ---- | ---- |
| LATIN AMERICA AND CARIBBEAN | 34.04 | ---- |
| Caribbean | ---- | ---- |
| Meso-America | 43.89 | 49.75 |
| South America | 23.95 | ---- |
| NORTH AMERICA | 86.30 | 90.10 |
| North America | 86.30 | 90.10 |
| POLAR | ---- | ---- |
| Antarctic | ---- | ---- |
| Arctic | ---- | ---- |
| WEST ASIA | ---- | ---- |
| Arabian Peninsula | ---- | ---- |
| Mashriq | ---- | ---- |
| GLOBAL TOTALS | ---- | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ---- | ---- |

Comments:

Secondary education completes the provision of basic education that began at the primary level, and aims at laying the foundations for lifelong learning and human development, by offering more subject- or skill-oriented instruction using more specialized teachers.

Enrolment in Tertiary Education

Units: thousand people

Data Source: World Education Report 2000

Data Provider: The Institute for Statistics (UIS) of the United Nations Organization for Education, Science and Culture (UNESCO)

Years: 1990, 1996

| | 1990 | 1996 |
|---|-----------------|-----------------|
| AFRICA | 2524.84 | ---- |
| Central Africa | 132.52 | ---- |
| Eastern Africa | 89.43 | ---- |
| Northern Africa | 1561.80 | 1990.89 |
| Southern Africa | 569.52 | 911.15 |
| Western Africa | ---- | ---- |
| Western Indian Ocean | 40.53 | 34.16 |
| ASIA AND PACIFIC | 20662.46 | 28660.15 |
| Australia and New Zealand | 596.52 | 1203.97 |
| Central Asia | 1383.39 | ---- |
| North West Pacific and East Asia | 8354.24 | 12611.07 |
| South Asia | 6408.53 | 7367.56 |
| South East Asia | 3914.30 | 6830.54 |
| South Pacific | ---- | ---- |
| EUROPE | 19953.69 | 23396.07 |
| Central Europe | 2355.15 | 3903.43 |
| Eastern Europe | 7571.02 | 6719.89 |
| Western Europe | 10027.53 | 12772.75 |
| LATIN AMERICA AND CARIBBEAN | 6887.15 | 7752.16 |
| Caribbean | ---- | ---- |
| Meso-America | 1592.93 | 2102.97 |
| South America | 5021.86 | 5327.70 |
| NORTH AMERICA | 15658.25 | 16275.01 |
| North America | 15658.25 | 16275.01 |
| POLAR | ---- | ---- |
| Antarctic | ---- | ---- |
| Arctic | ---- | ---- |
| WEST ASIA | ---- | ---- |
| Arabian Peninsula | 249.87 | 393.63 |
| Mashriq | ---- | ---- |
| GLOBAL TOTALS | 66246.75 | 80096.56 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 68600.00 | ---- |

Comments:

Enrolment in tertiary education indicates the number of students enrolled in tertiary or higher education.

Tertiary education whether or not leading to an advanced research qualification, normally requires, as a minimum condition of admission, the successful completion of education at the secondary level.

Illiteracy Rate - Ages 15 and over

Units: percent

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1970-1999

| | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | 71.52 | 61.58 | 50.26 | 49.09 | 47.95 | 46.72 | 45.63 | 44.52 | 43.38 | 42.22 | 41.10 | 40.02 |
| Central Africa | 77.04 | 65.20 | 51.25 | 49.75 | 48.27 | 46.79 | 45.32 | 43.90 | 42.50 | 41.13 | 39.78 | 38.45 |
| Eastern Africa | 76.37 | 66.78 | 56.07 | 54.80 | 53.66 | 52.14 | 51.17 | 50.06 | 48.92 | 47.68 | 46.47 | 45.26 |
| Northern Africa | 72.87 | 62.82 | 51.89 | 50.80 | 49.72 | 48.65 | 47.62 | 46.56 | 45.48 | 44.41 | 43.36 | 42.37 |
| Southern Africa | 50.50 | 41.67 | 32.37 | 31.47 | 30.56 | 29.64 | 28.82 | 28.07 | 27.22 | 26.46 | 25.73 | 25.05 |
| Western Africa | 81.83 | 71.16 | 57.91 | 56.54 | 55.18 | 53.84 | 52.51 | 51.13 | 49.73 | 48.28 | 46.90 | 45.58 |
| Western Indian Ocean | 58.19 | 49.45 | 39.99 | 39.12 | 38.27 | 37.44 | 36.66 | 35.86 | 35.09 | 34.32 | 33.55 | 32.79 |
| ASIA AND PACIFIC | 52.80 | 41.74 | 32.27 | 31.51 | 30.80 | 30.06 | 29.37 | 28.70 | 28.07 | 27.44 | 26.87 | 26.26 |
| Australia and New Zealand | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Central Asia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| North West Pacific and East Asia | 47.45 | 33.49 | 22.33 | 21.55 | 20.77 | 19.99 | 19.31 | 18.63 | 17.95 | 17.27 | 16.68 | 16.00 |
| South Asia | 68.34 | 60.56 | 52.38 | 51.50 | 50.75 | 49.92 | 49.10 | 48.27 | 47.46 | 46.65 | 45.85 | 45.03 |
| South East Asia | 33.42 | 23.62 | 16.44 | 15.81 | 15.23 | 14.66 | 14.09 | 13.59 | 13.11 | 12.62 | 12.17 | 11.79 |
| South Pacific | 52.43 | 43.94 | 36.80 | 36.16 | 35.47 | 34.83 | 34.22 | 33.59 | 32.96 | 32.38 | 31.78 | 31.24 |
| EUROPE | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Central Europe | 14.24 | 11.05 | 8.66 | 8.41 | 8.17 | 7.93 | 7.67 | 7.45 | 7.24 | 7.00 | 6.81 | 6.59 |
| Eastern Europe | 1.92 | 1.23 | 0.80 | 0.72 | 0.71 | 0.70 | 0.62 | 0.61 | 0.60 | 0.53 | 0.52 | 0.51 |
| Western Europe | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| LATIN AMERICA AND CARIBBEAN | 26.16 | 20.05 | 15.20 | 14.78 | 14.36 | 13.96 | 13.62 | 13.26 | 12.89 | 12.56 | 12.23 | 11.92 |
| Caribbean | 29.59 | 23.84 | 18.93 | 18.58 | 18.29 | 18.00 | 17.71 | 17.40 | 17.18 | 16.92 | 16.68 | 16.45 |
| Meso-America | 29.24 | 21.91 | 16.03 | 15.60 | 15.09 | 14.66 | 14.30 | 13.88 | 13.56 | 13.24 | 12.87 | 12.56 |
| South America | 24.74 | 18.98 | 14.47 | 14.05 | 13.65 | 13.25 | 12.91 | 12.58 | 12.17 | 11.83 | 11.51 | 11.19 |
| NORTH AMERICA | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| North America | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | 66.84 | 54.58 | 42.19 | 41.56 | 40.42 | 39.32 | 38.32 | 37.29 | 36.27 | 35.33 | 34.36 | 33.47 |
| Arabian Peninsula | 73.16 | 57.45 | 42.78 | 42.77 | 41.52 | 40.35 | 39.38 | 38.36 | 37.26 | 36.29 | 35.30 | 34.49 |
| Mashriq | 62.07 | 52.18 | 41.63 | 40.42 | 39.39 | 38.36 | 37.35 | 36.33 | 35.36 | 34.46 | 33.51 | 32.56 |
| GLOBAL TOTALS | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |

Comments:

Adult illiteracy rate is the percentage of people ages 15 and above who cannot, with understanding, read and write a short, simple statement on their everyday life.

The data are based on UNESCO's 1999 literacy estimates and projections.

Illiterate People - Ages 15 and over

Units: thousand people

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1970-1999

| | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| AFRICA | 136097.64 | 153500.47 | 166923.51 | 167970.38 | 168981.20 | 168676.34 | 169156.45 | 169756.20 | 170309.77 | 170783.27 | 170951.55 | 171048.40 |
| Central Africa | 14840.94 | 15899.72 | 16532.73 | 16519.27 | 16495.85 | 16459.29 | 16413.25 | 16367.29 | 16309.85 | 16244.76 | 16171.25 | 16081.47 |
| Eastern Africa | 25105.04 | 28951.04 | 31942.00 | 32299.71 | 32691.31 | 31848.36 | 31783.08 | 32005.37 | 32191.57 | 32445.93 | 32440.18 | 32469.68 |
| Northern Africa | 33556.54 | 38545.92 | 42498.35 | 42905.09 | 43281.61 | 43610.02 | 43915.22 | 44129.68 | 44313.88 | 44475.38 | 44630.43 | 44766.17 |
| Southern Africa | 17487.68 | 18840.18 | 19526.97 | 19519.21 | 19488.14 | 19430.97 | 19439.22 | 19476.34 | 19473.96 | 19491.15 | 19493.48 | 19544.94 |
| Western Africa | 42653.38 | 48431.50 | 53334.73 | 53676.68 | 53998.37 | 54318.38 | 54607.00 | 54795.33 | 55010.28 | 55087.85 | 55152.78 | 55096.72 |
| Western Indian Ocean | 2454.06 | 2832.12 | 3088.74 | 3050.42 | 3025.91 | 3009.33 | 2998.68 | 2982.20 | 3010.22 | 3038.20 | 3063.43 | 3089.42 |
| ASIA AND PACIFIC | 595201.32 | 615348.40 | 618978.78 | 617672.55 | 616229.93 | 613726.05 | 611638.20 | 609331.93 | 607850.04 | 605981.09 | 604833.23 | 602521.34 |
| Australia and New Zealand | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | 243103.14 | 220678.83 | 190682.59 | 187435.52 | 183712.42 | 179704.72 | 176402.56 | 172853.78 | 168611.61 | 164166.35 | 160437.95 | 155636.66 |
| South Asia | 294913.56 | 341357.79 | 379730.69 | 382285.91 | 385137.74 | 387266.28 | 389178.68 | 391025.94 | 394251.27 | 397453.12 | 400565.87 | 403387.79 |
| South East Asia | 53617.71 | 49872.64 | 45456.34 | 44867.70 | 44318.74 | 43720.95 | 43051.29 | 42478.26 | 42035.31 | 41434.21 | 40924.02 | 40622.86 |
| South Pacific | 927.43 | 981.27 | 1044.82 | 1051.90 | 1057.48 | 1063.29 | 1070.00 | 1075.98 | 1082.45 | 1089.01 | 1095.15 | 1098.98 |
| EUROPE | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Europe | 12077.52 | 10762.16 | 9617.69 | 9467.93 | 9286.35 | 9123.96 | 8930.01 | 8773.00 | 8609.84 | 8438.93 | 8300.95 | 8108.76 |
| Eastern Europe | 2741.06 | 1983.84 | 1353.26 | 1229.09 | 1210.38 | 1200.80 | 1070.23 | 1047.52 | 1039.26 | 913.03 | 903.67 | 894.36 |
| Western Europe | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| LATIN AMERICA AND CARIBBEAN | 42595.32 | 43477.20 | 42532.48 | 42406.41 | 42238.13 | 42058.66 | 42009.60 | 41881.21 | 41624.89 | 41447.30 | 41221.48 | 41040.24 |
| Caribbean | 4095.51 | 4159.45 | 4070.70 | 4068.43 | 4074.85 | 4073.63 | 4074.32 | 4068.74 | 4089.69 | 4092.26 | 4103.25 | 4118.37 |
| Meso-America | 10563.62 | 10809.88 | 10767.07 | 10784.01 | 10743.02 | 10739.28 | 10777.20 | 10757.12 | 10762.82 | 10759.85 | 10694.51 | 10674.71 |
| South America | 27936.19 | 28507.87 | 27694.72 | 27553.97 | 27420.26 | 27245.76 | 27158.09 | 27055.35 | 26772.37 | 26595.19 | 26423.73 | 26247.17 |
| NORTH AMERICA | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North America | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | 12291.21 | 14415.89 | 16841.39 | 17284.54 | 17413.93 | 17503.87 | 17513.59 | 17549.62 | 17738.28 | 17929.17 | 18062.51 | 18215.46 |
| Arabian Peninsula | 5787.78 | 6901.11 | 8322.65 | 8635.21 | 8655.01 | 8652.81 | 8596.85 | 8567.89 | 8659.78 | 8748.73 | 8814.38 | 8898.76 |
| Mashriq | 6503.43 | 7514.79 | 8518.74 | 8649.33 | 8758.91 | 8851.06 | 8926.74 | 8981.73 | 9078.49 | 9180.44 | 9248.13 | 9316.70 |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

Comments:

Adult illiteracy rate is the percentage of people ages 15 and above who cannot, with understanding, read and write a short, simple statement on their everyday life.

The data are based on UNESCO's 1999 literacy estimates and projections.

1.1.3 Energy Consumption and Production

Energy Capacity – Nuclear (Projection)

Units: megawatt-electricity (MWe)

Data Source: 19th WEC Survey of Energy Resources, London (2001)

Data Provider: World Energy Council

Years: 1996, 2010

| | 1996 | 2010 |
|---|---------------|---------------|
| AFRICA | 1840 | 1840 |
| Central Africa | 0 | ---- |
| Eastern Africa | 0 | ---- |
| Northern Africa | 0 | ---- |
| Southern Africa | 1840 | 1840 |
| Western Africa | 0 | ---- |
| Western Indian Ocean | 0 | ---- |
| ASIA AND PACIFIC | 60185 | 132077 |
| Australia and New Zealand | 0 | ---- |
| Central Asia | 70 | 500 |
| North West Pacific and East Asia | 58295 | 123939 |
| South Asia | 1820 | 7638 |
| South East Asia | 0 | ---- |
| South Pacific | 0 | ---- |
| EUROPE | 170122 | 182021 |
| Central Europe | 12187 | 16833 |
| Eastern Europe | 32339 | 41547 |
| Western Europe | 125596 | 123641 |
| LATIN AMERICA AND CARIBBEAN | 2870 | 6036 |
| Caribbean | 0 | ---- |
| Meso-America | 1309 | 1309 |
| South America | 1561 | 4727 |
| NORTH AMERICA | 114986 | 103768 |
| North America | 114986 | 103768 |
| POLAR | 0 | ---- |
| Antarctic | 0 | ---- |
| Arctic | 0 | ---- |
| WEST ASIA | 0 | ---- |
| Arabian Peninsula | 0 | ---- |
| Mashriq | 0 | ---- |
| GLOBAL TOTALS | 350003 | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 350003 | ---- |

Comments:

Energy capacity - nuclear is the actual capacity of the nuclear electric power industry to describe the size of generating plants. "MWe" is the symbol for the actual output of a generating station in megawatts of electricity. Figures for 1996 are estimates and those for year 2010 are projections.

Data Source: The majority of the data were provided by World Energy Council (WEC) Member Committees in 1997. If information was not available from this source, data have been derived from the following published sources:

- *Nuclear Power Generation and Fuel Cycle Report 1997* (September 1997) Energy Information Administration, US Department of Energy.
- *Nuclear Power Reactors in the World* (April 1997) International Atomic Energy Agency, Vienna.
- *Energy, Electricity and Nuclear Power Estimates for the Period up to 2015* (1997) International Atomic Energy Agency, Vienna.
- *Les Centrales Nucléaires dans le Monde* (1997) Commissariat à l'Energie Atomique, France.

For more information see <http://www.worldenergy.org>.

Energy Production - Combustible Renewables

Units: thousand tonnes of oil equivalent (ktoe)

Data Source: Energy Balances of OECD Countries (1960-1999) and Non-OECD Countries (1971-1999)

Data Provider: International Energy Agency (IEA)

Years: 1992-1999

| | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|
| AFRICA | 206307.87 | 210137.79 | 215113.98 | 220203.52 | 228240.47 | 234429.68 | 240263.54 | 244846.73 |
| Central Africa | 16263.52 | 16755.06 | 16954.21 | 17455.79 | 17992.52 | 18527.25 | 19099.55 | 19591.50 |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | 11695.07 | 11891.68 | 12098.81 | 12215.18 | 15341.43 | 15790.01 | 16257.86 | 16595.35 |
| Southern Africa | 43738.25 | 44606.55 | 44927.70 | 45670.46 | 46431.00 | 47195.04 | 48131.03 | 49145.82 |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | 536316.81 | 540255.88 | 544952.09 | 550370.55 | 554869.33 | 561542.18 | 563926.39 | 572593.80 |
| Australia and New Zealand | 4083.00 | 4775.27 | 4688.86 | 4879.98 | 5502.60 | 5682.65 | 5854.83 | 5958.32 |
| Central Asia | 119.33 | 82.33 | 80.63 | 82.78 | 77.86 | 77.86 | 77.12 | 77.12 |
| North West Pacific and East Asia | 210832.78 | 211764.26 | 212740.92 | 213623.67 | 214668.08 | 216031.70 | 214793.66 | 218566.71 |
| South Asia | 219675.79 | 222985.96 | 225557.08 | 228149.61 | 230647.58 | 233918.15 | 237081.16 | 240907.18 |
| South East Asia | 99026.58 | 97994.55 | 99145.79 | 100804.98 | 101098.43 | 102951.30 | 103342.77 | 104307.61 |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | 57054.48 | 60800.59 | 56791.27 | 57119.26 | 61708.87 | 61659.48 | 61417.55 | 64662.42 |
| Central Europe | 12890.63 | 15440.48 | 15534.82 | 15491.54 | 19544.54 | 18918.86 | 18629.45 | 17981.59 |
| Eastern Europe | 12212.84 | 11955.91 | 7764.81 | 7034.68 | 6143.55 | 5860.73 | 4500.84 | 6083.81 |
| Western Europe | 31951.01 | 33404.20 | 33491.64 | 34593.03 | 36020.78 | 36879.88 | 38287.26 | 40597.02 |
| LATIN AMERICA AND CARIBBEAN | 77756.02 | 76433.08 | 78865.03 | 78619.18 | 79155.23 | 78808.64 | 79472.53 | 81118.78 |
| Caribbean | 7849.57 | 6576.74 | 6719.45 | 6035.76 | 6783.92 | 6668.79 | 6235.19 | 6401.29 |
| Meso-America | 15504.23 | 15551.61 | 15282.48 | 15687.06 | 15851.99 | 16409.96 | 16379.38 | 16197.79 |
| South America | 53826.77 | 53728.91 | 56274.58 | 56272.48 | 55888.58 | 55095.37 | 56208.23 | 57869.97 |
| NORTH AMERICA | 72098.50 | 63696.64 | 65864.62 | 68123.48 | 70116.34 | 67883.59 | 69714.20 | 75999.81 |
| North America | 72098.50 | 63696.64 | 65864.62 | 68123.48 | 70116.34 | 67883.59 | 69714.20 | 75999.81 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | 214.56 | 218.19 | 223.75 | 228.77 | 231.16 | 233.66 | 236.24 | 236.24 |
| Arabian Peninsula | 77.39 | 77.39 | 77.39 | 77.39 | 77.39 | 77.39 | 77.39 | 77.39 |
| Mashriq | 137.17 | 140.80 | 146.36 | 151.38 | 153.77 | 156.28 | 158.86 | 158.86 |
| GLOBAL TOTALS | 949748.23 | 951542.16 | 961810.74 | 974664.76 | 994321.39 | 1004557.23 | 1015030.45 | 1039457.77 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 949748.23 | 949748.23 | 949748.23 | 949748.23 | 949748.23 | 949748.23 | 949748.23 | 949748.23 |

Comments:

Production refers to the quantities of fuels extracted or produced, calculated after any operation for removal of inert matter or impurities (for example sulphur from natural gas).

Combustible renewables refers to the quantities of fuels extracted or produced from primary solid biomass and biogas. Primary solid biomass is defined as any plant matter used directly as fuel or converted into other forms before combustion. Included are wood, vegetal waste (including wood waste and crops used for energy production), animal materials/wastes, sulphite lyes, also known as "black liquor" (an alkaline spent liquor from the digesters in the production of sulphate or soda pulp during the manufacture of paper where the energy content derives from the lignin removed from the wood pulp) and other solid biomass.

This category contains only primary solid biomass. This includes inputs to charcoal production but not the actual production of charcoal (this would be double counting since charcoal is a secondary product). Biogas is derived principally from the anaerobic fermentation of biomass and solid wastes and combusted to produce heat and/or power. Included in this category are landfill gas and sludge gas (sewage gas and gas from animal slurries) and other biogas.

A ktoe (thousand tonne of oil equivalent) is defined as 41.868 TJ (terajoules) or 11.630 GWh (gigawatt-hour).

Energy Production - Total Indigenous

Units: million tonnes of oil equivalent (Mtoe)

Data Source: Energy Balances of Organization for Economic Co-operation and Development (OECD) Countries (1960-1999) and Non-OECD Countries (1971-1999)

Data Provider: International Energy Agency (IEA)

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| AFRICA | --- | --- | 528.13 | 655.75 | 681.82 | 689.45 | 700.14 | 703.76 | 730.48 | 760.41 | 794.43 | 803.02 | 806.13 |
| Central Africa | --- | --- | 28.87 | 47.59 | 48.59 | 49.18 | 51.61 | 49.98 | 53.77 | 56.25 | 58.53 | 59.50 | 58.89 |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | 212.39 | 246.70 | 259.60 | 258.84 | 258.81 | 254.13 | 262.82 | 272.02 | 283.46 | 293.09 | 299.53 |
| Southern Africa | --- | --- | 111.38 | 174.88 | 179.73 | 181.04 | 186.12 | 193.28 | 203.43 | 207.35 | 217.38 | 221.52 | 223.35 |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | 1516.60 | 2312.05 | 2376.32 | 2414.18 | 2482.57 | 2537.94 | 2670.78 | 2753.41 | 2781.32 | 2787.09 | 2779.20 |
| Australia and New Zealand | 23.79 | 51.09 | 91.58 | 169.94 | 175.96 | 183.56 | 187.35 | 186.81 | 200.15 | 204.26 | 216.48 | 228.10 | 227.35 |
| Central Asia | --- | --- | 170.50 | 204.00 | 194.07 | 181.66 | 181.79 | 151.71 | 145.68 | 145.96 | 136.62 | 138.83 | 148.79 |
| North West Pacific and East Asia | --- | --- | 696.52 | 1066.28 | 1080.19 | 1098.69 | 1135.00 | 1189.94 | 1273.98 | 1317.12 | 1311.12 | 1287.73 | 1258.86 |
| South Asia | --- | --- | 339.14 | 568.66 | 598.84 | 611.78 | 631.18 | 646.59 | 671.71 | 686.17 | 700.92 | 709.99 | 709.34 |
| South East Asia | --- | --- | 218.86 | 303.17 | 327.26 | 338.49 | 347.26 | 362.90 | 379.25 | 399.90 | 416.17 | 422.45 | 434.86 |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | --- | --- | 2116.61 | 2523.65 | 2455.84 | 2373.65 | 2301.57 | 2251.39 | 2247.81 | 2297.42 | 2263.92 | 2241.96 | 2272.76 |
| Central Europe | --- | --- | 289.17 | 270.30 | 256.99 | 252.30 | 250.71 | 242.68 | 247.22 | 255.25 | 249.87 | 234.75 | 220.40 |
| Eastern Europe | --- | --- | 1179.60 | 1411.37 | 1342.68 | 1252.76 | 1167.46 | 1086.49 | 1055.87 | 1047.13 | 1021.54 | 1029.72 | 1056.47 |
| Western Europe | 360.27 | 417.00 | 647.84 | 841.98 | 856.18 | 868.59 | 883.40 | 922.22 | 944.73 | 995.04 | 992.51 | 977.49 | 995.89 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | 475.65 | 612.43 | 636.53 | 645.68 | 663.44 | 686.94 | 716.08 | 772.01 | 811.66 | 830.39 | 816.04 |
| Caribbean | --- | --- | 20.80 | 21.63 | 20.37 | 21.22 | 19.47 | 20.42 | 19.87 | 21.32 | 21.14 | 21.98 | 25.03 |
| Meso-America | --- | --- | 157.29 | 204.43 | 211.92 | 211.62 | 214.54 | 214.96 | 212.70 | 224.37 | 234.90 | 240.26 | 233.80 |
| South America | --- | --- | 297.56 | 386.37 | 404.24 | 412.84 | 429.43 | 451.56 | 483.51 | 526.32 | 555.63 | 568.15 | 557.21 |
| NORTH AMERICA | 1021.97 | 1595.63 | 1760.68 | 1923.75 | 1923.64 | 1938.68 | 1914.21 | 2000.20 | 2010.82 | 2045.13 | 2048.62 | 2068.68 | 2054.44 |
| North America | 1021.97 | 1595.63 | 1760.68 | 1923.75 | 1923.64 | 1938.68 | 1914.21 | 2000.20 | 2010.82 | 2045.13 | 2048.62 | 2068.68 | 2054.44 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | 908.90 | 735.57 | 725.57 | 808.66 | 855.11 | 874.08 | 887.98 | 900.94 | 949.26 | 1020.46 | 988.92 |
| Arabian Peninsula | --- | --- | 762.57 | 605.98 | 681.99 | 756.10 | 798.80 | 812.20 | 822.10 | 834.18 | 848.25 | 873.69 | 822.51 |
| Mashriq | --- | --- | 146.32 | 129.59 | 43.57 | 52.57 | 56.31 | 61.88 | 65.88 | 66.76 | 101.01 | 146.77 | 166.41 |
| GLOBAL TOTALS | --- | --- | 7306.56 | 8763.21 | 8799.72 | 8870.29 | 8917.02 | 9054.31 | 9263.95 | 9529.32 | 9649.21 | 9751.60 | 9717.50 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | --- | --- | 7341.42 | 8809.31 | 8847.08 | 8919.01 | 8966.64 | 9105.29 | 9315.66 | 9581.46 | 9704.92 | 9809.70 | 9776.75 |

Comments:

Total indigenous production is the production of primary energy, from, the total of all energy sources: hard coal, lignite/brown coal, peat, crude oil, NGLs, natural gas, combustible renewables and wastes, nuclear, hydro, geothermal, solar and the heat from heat pumps that is extracted from the ambient environment. Production is calculated after removal of impurities (for example sulphur from natural gas).

A toe (tonne of oil equivalents) is defined as 41.868 gigajoules or 10^7 kilocalories. One terawatt-hour = 0.086 Mtoe.

Energy Production - Waste Combustion

Units: thousand tonnes of oil equivalent (ktoe)

Data Source: Energy Balances of OECD Countries (1960-1999) and Non-OECD Countries (1971-1999)

Data Provider: International Energy Agency (IEA)

Years: 1992-1999

| | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| AFRICA | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Central Africa | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Eastern Africa | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Northern Africa | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Southern Africa | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Western Africa | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Western Indian Ocean | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| ASIA AND PACIFIC | 683.74 | 712.62 | 1452.47 | 1685.30 | 2026.37 | 2508.17 | 3086.10 | 3561.65 |
| Australia and New Zealand | 270.37 | 275.96 | 257.36 | 283.34 | 267.46 | 373.41 | 462.02 | 483.47 |
| Central Asia | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| North West Pacific and East Asia | 413.37 | 436.66 | 1195.11 | 1401.95 | 1758.91 | 2134.76 | 2624.08 | 3078.17 |
| South Asia | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| South East Asia | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| South Pacific | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| EUROPE | 8094.94 | 8103.42 | 9512.28 | 11012.97 | 10342.19 | 11372.86 | 11762.13 | 12695.50 |
| Central Europe | 1042.01 | 780.60 | 947.43 | 1235.43 | 585.87 | 576.38 | 484.38 | 707.01 |
| Eastern Europe | 1696.79 | 1527.90 | 1719.40 | 2343.39 | 1646.60 | 1985.76 | 2048.03 | 2547.58 |
| Western Europe | 5356.14 | 5794.93 | 6845.44 | 7434.15 | 8109.73 | 8810.71 | 9229.72 | 9440.91 |
| LATIN AMERICA AND CARIBBEAN | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Caribbean | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Meso-America | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| South America | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NORTH AMERICA | 9605.12 | 9062.22 | 9689.69 | 9522.05 | 9789.48 | 9805.41 | 13656.52 | 13781.41 |
| North America | 9605.12 | 9062.22 | 9689.69 | 9522.05 | 9789.48 | 9805.41 | 13656.52 | 13781.41 |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Arabian Peninsula | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mashriq | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GLOBAL TOTALS | 18383.80 | 17878.26 | 20654.44 | 22220.31 | 22158.04 | 23686.44 | 28504.75 | 30038.55 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 18383.80 | 18383.80 | 18383.80 | 18383.80 | 18383.80 | 18383.80 | 18383.80 | 18383.80 |

Comments:

Production refers to the quantities of fuels extracted or produced, calculated after any operation for removal of inert matter or impurities (for example sulphur from natural gas).

Waste refers to the quantities of fuels extracted or produced from industrial waste and municipal waste. Industrial waste consists of solid and liquid products (e.g. tyres) combusted directly, usually in specialised plants, to produce heat and/or power and that are not reported in the category solid biomass.

Municipal waste consists of products that are combusted directly to produce heat and/or power and comprises wastes produced by the residential, commercial and public services sectors that are collected by local authorities for disposal in a central location. Hospital waste is included in this category.

A ktoe (thousand tonne of oil equivalent) is defined as 41.868 TJ (terajoules) or 11.630 GWh (gigawatt-hour).

Total Final Energy Consumption - per Capita

Units: tonnes of oil equivalent (ktoe) per person

Data Source: Energy Balances of OECD Countries (1960-1999) and Non-OECD Countries (1971-1999)

Data Provider: International Energy Agency (IEA)

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|
| AFRICA | ---- | ---- | 0.25 | 0.24 | 0.24 | 0.24 | 0.23 | 0.49 | 0.49 | 0.50 | 0.50 | 0.50 | 0.50 |
| Central Africa | ---- | ---- | 0.07 | 0.06 | 0.05 | 0.05 | 0.05 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| Eastern Africa | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Northern Africa | ---- | ---- | 0.28 | 0.36 | 0.36 | 0.36 | 0.36 | 0.39 | 0.40 | 0.41 | 0.42 | 0.43 | 0.44 |
| Southern Africa | ---- | ---- | 0.62 | 0.56 | 0.53 | 0.51 | 0.49 | 0.74 | 0.75 | 0.75 | 0.75 | 0.75 | 0.73 |
| Western Africa | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Western Indian Ocean | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| ASIA AND PACIFIC | ---- | ---- | 0.38 | 0.48 | 0.49 | 0.50 | 0.50 | 0.65 | 0.67 | 0.68 | 0.67 | 0.67 | 0.66 |
| Australia and New Zealand | 2.10 | 2.64 | 3.09 | 3.36 | 3.30 | 3.29 | 3.37 | 3.42 | 3.50 | 3.58 | 3.61 | 3.63 | 3.65 |
| Central Asia | ---- | ---- | 2.17 | 2.05 | 1.94 | 2.01 | 1.71 | 1.46 | 1.41 | 1.30 | 1.23 | 2.41 | 2.16 |
| North West Pacific and East Asia | ---- | ---- | 0.52 | 0.67 | 0.69 | 0.70 | 0.72 | 0.89 | 0.91 | 0.94 | 0.91 | 0.89 | 0.88 |
| South Asia | ---- | ---- | 0.12 | 0.17 | 0.18 | 0.19 | 0.19 | 0.37 | 0.38 | 0.39 | 0.38 | 0.38 | 0.38 |
| South East Asia | ---- | ---- | 0.29 | 0.38 | 0.38 | 0.40 | 0.42 | 0.48 | 0.50 | 0.53 | 0.54 | 0.52 | 0.53 |
| South Pacific | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| EUROPE | ---- | ---- | 2.53 | 2.58 | 2.53 | 2.52 | 2.45 | 2.30 | 2.30 | 2.30 | 2.26 | 2.26 | 2.27 |
| Central Europe | ---- | ---- | 1.74 | 1.51 | 1.38 | 1.30 | 1.28 | 1.22 | 1.27 | 1.35 | 1.32 | 1.27 | 1.22 |
| Eastern Europe | ---- | ---- | 3.20 | 3.47 | 3.33 | 3.39 | 3.17 | 2.70 | 2.61 | 2.37 | 2.28 | 2.25 | 2.32 |
| Western Europe | 1.27 | 2.24 | 2.50 | 2.56 | 2.62 | 2.60 | 2.59 | 2.59 | 2.63 | 2.72 | 2.71 | 2.75 | 2.77 |
| LATIN AMERICA AND CARIBBEAN | ---- | ---- | 0.82 | 0.80 | 0.80 | 0.81 | 0.81 | 0.83 | 0.85 | 0.86 | 0.87 | 0.88 | 0.87 |
| Caribbean | ---- | ---- | 0.80 | 0.82 | 0.72 | 0.72 | 0.63 | 0.66 | 0.67 | 0.72 | 0.73 | 0.75 | 0.79 |
| Meso-America | ---- | ---- | 0.89 | 0.91 | 0.93 | 0.93 | 0.91 | 0.93 | 0.91 | 0.88 | 0.87 | 0.86 | 0.84 |
| South America | ---- | ---- | 0.79 | 0.76 | 0.77 | 0.77 | 0.79 | 0.82 | 0.85 | 0.87 | 0.89 | 0.90 | 0.89 |
| NORTH AMERICA | 4.30 | 5.72 | 5.79 | 5.20 | 5.13 | 5.10 | 5.15 | 5.22 | 5.25 | 5.36 | 5.33 | 5.24 | 5.34 |
| North America | 4.30 | 5.72 | 5.79 | 5.20 | 5.13 | 5.10 | 5.15 | 5.22 | 5.25 | 5.36 | 5.33 | 5.24 | 5.34 |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | ---- | ---- | 1.19 | 1.48 | 1.42 | 1.51 | 1.59 | 1.63 | 1.60 | 1.64 | 1.65 | 1.68 | 1.64 |
| Arabian Peninsula | ---- | ---- | 1.88 | 2.15 | 2.16 | 2.29 | 2.39 | 2.43 | 2.36 | 2.48 | 2.46 | 2.51 | 2.42 |
| Mashriq | ---- | ---- | 0.66 | 0.88 | 0.76 | 0.82 | 0.89 | 0.92 | 0.92 | 0.89 | 0.92 | 0.94 | 0.92 |
| GLOBAL TOTALS | ---- | ---- | 1.09 | 1.06 | 1.05 | 1.05 | 1.04 | 1.14 | 1.15 | 1.16 | 1.15 | 1.14 | 1.14 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |

Comments:

Total final energy consumption (TFC) is the sum of consumption by the different end-use sectors. In final consumption, petrochemical feedstocks are shown under industry, while non-energy use of such oil products as white spirit, lubricants, bitumen, paraffin waxes and other products are shown under non-energy use, and are included in Total final consumption only. Backflows from the petrochemical industry are not included in final consumption.

A ktoe (thousand tonne of oil equivalent) is defined as 41.868 TJ (terajoules) or 11.630 GWh (gigawatt-hour).

Total Final Energy Consumption – Total

Units: thousand tonnes of oil equivalent (ktoe)

Data Source: Energy Balances of OECD Countries (1960-1999) and Non-OECD Countries (1971-1999)

Data Provider: International Energy Agency (IEA)

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-----------|------------|------------|------------|------------|------------|------------|------------|------------|
| AFRICA | --- | --- | 99550.13 | 130247.52 | 285532.87 | 294961.00 | 304395.18 | 311752.75 | 316759.22 |
| Central Africa | --- | --- | 2832.40 | 2967.95 | 19267.01 | 19779.01 | 20383.63 | 20971.02 | 21286.26 |
| Eastern Africa | --- | --- | -11246.71 | -11805.87 | -15485.47 | -17308.66 | -17760.00 | -17869.94 | -18179.82 |
| Northern Africa | --- | --- | 31129.93 | 51710.05 | 62924.98 | 65913.73 | 68755.68 | 72153.63 | 75147.81 |
| Southern Africa | --- | --- | 49537.75 | 57832.27 | 91064.20 | 93079.79 | 95468.39 | 96962.55 | 96483.59 |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | 982287.40 | 1464319.99 | 2201086.60 | 2283708.77 | 2266996.44 | 2255621.56 | 2269145.56 |
| Australia and New Zealand | 26610.34 | 40520.82 | 54619.53 | 67979.70 | 75924.71 | 78449.76 | 80062.34 | 81400.84 | 82877.58 |
| Central Asia | --- | --- | 89534.55 | 103657.84 | 75983.92 | 70618.58 | 67553.11 | 72204.79 | 70273.11 |
| North West Pacific and East Asia | --- | --- | 626948.11 | 930302.42 | 1331156.53 | 1381508.90 | 1351708.93 | 1334606.37 | 1328198.10 |
| South Asia | --- | --- | 109710.45 | 201376.70 | 483044.79 | 502553.96 | 510048.70 | 514944.21 | 522965.66 |
| South East Asia | --- | --- | 101474.76 | 161003.33 | 234976.65 | 250577.57 | 257623.36 | 252465.35 | 264831.11 |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | --- | --- | 1912478.90 | 2061882.68 | 1870531.40 | 1871612.63 | 1844158.66 | 1845676.35 | 1857410.03 |
| Central Europe | --- | --- | 295040.55 | 282543.50 | 242083.06 | 259249.43 | 255407.01 | 247019.02 | 237139.63 |
| Eastern Europe | --- | --- | 692768.21 | 802046.30 | 602587.19 | 546346.12 | 524886.72 | 515045.79 | 528806.54 |
| Western Europe | 412869.19 | 787071.24 | 924670.14 | 977292.88 | 1025861.15 | 1066017.08 | 1063864.93 | 1083611.54 | 1091463.86 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | 290758.49 | 347916.46 | 402086.13 | 414546.33 | 427637.18 | 436317.20 | 437489.13 |
| Caribbean | --- | --- | 19419.16 | 23346.18 | 20146.84 | 21979.07 | 22571.61 | 23282.05 | 24779.81 |
| Meso-America | --- | --- | 80180.25 | 101654.45 | 111409.17 | 109757.70 | 111306.41 | 111768.06 | 111606.30 |
| South America | --- | --- | 191159.08 | 222915.83 | 270530.12 | 282809.56 | 293759.16 | 301267.09 | 301103.02 |
| NORTH AMERICA | 877157.28 | 1325498.01 | 1475699.02 | 1467592.08 | 1565439.08 | 1616361.40 | 1624297.90 | 1612229.70 | 1661638.94 |
| North America | 877157.28 | 1325498.01 | 1475699.02 | 1467592.08 | 1565439.08 | 1616361.40 | 1624297.90 | 1612229.70 | 1661638.94 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | 58704.63 | 104274.38 | 130964.84 | 139238.64 | 144161.30 | 151701.89 | 152456.77 |
| Arabian Peninsula | --- | --- | 41261.01 | 72867.34 | 92695.88 | 100881.59 | 103691.82 | 109423.56 | 109770.23 |
| Mashriq | --- | --- | 17443.62 | 31407.04 | 38268.96 | 38357.05 | 40469.48 | 42278.33 | 42686.54 |
| GLOBAL TOTALS | --- | --- | 4819478.57 | 5576233.11 | 6455640.92 | 6620428.77 | 6611646.66 | 6613299.45 | 6694899.65 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | --- | --- | 4830756.80 | 5590170.78 | 6509176.03 | 6675065.04 | 6667782.59 | 6670565.08 | 6753275.03 |

Comments:

Total final energy consumption (TFC) is the sum of consumption by the different end-use sectors. In final consumption, petrochemical feedstocks are shown under industry, while non-energy use of such oil products as white spirit, lubricants, bitumen, paraffin waxes and other products are shown under non-energy use, and are included in Total final consumption only. Back-flows from the petrochemical industry are not included in final consumption.

A ktoe (thousand tonne of oil equivalent) is defined as 41.868 TJ (terajoules) or 11.630 GWh (gigawatt-hour).

Total Primary Energy Supply (TPES) - Coal and Coal Products

Units: thousand tonnes of oil equivalent (ktoe)

Data Source: Energy Balances of OECD Countries (1960-1999) and Non-OECD Countries (1971-1999)

Data Provider: International Energy Agency (IEA)

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|
| AFRICA | --- | --- | 51292.67 | 72957.79 | 83903.52 | 85525.64 | 86851.14 | 84771.53 | 88130.63 |
| Central Africa | --- | --- | 208.13 | 220.13 | 240.90 | 214.06 | 216.01 | 216.61 | 216.61 |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | 1124.18 | 2585.15 | 2969.48 | 3469.30 | 3338.62 | 3710.79 | 3726.22 |
| Southern Africa | --- | --- | 49853.17 | 70018.76 | 80545.50 | 81699.56 | 83151.94 | 80761.71 | 84106.00 |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | 555964.04 | 909759.76 | 1100350.46 | 1150481.65 | 1130348.39 | 1107089.03 | 1088289.80 |
| Australia and New Zealand | 17462.51 | 22597.82 | 28338.42 | 36098.21 | 38730.52 | 41960.90 | 46568.54 | 45839.08 | 48445.31 |
| Central Asia | --- | --- | 55073.09 | 48668.85 | 29819.88 | 27115.84 | 23287.53 | 22811.02 | 21695.69 |
| North West Pacific and East Asia | --- | --- | 410117.84 | 702898.70 | 857559.47 | 893968.05 | 871303.23 | 851216.26 | 830638.11 |
| South Asia | --- | --- | 58953.82 | 109623.63 | 155448.90 | 164205.99 | 164610.50 | 163769.13 | 160844.35 |
| South East Asia | --- | --- | 3480.87 | 12470.37 | 18791.69 | 23230.87 | 24578.59 | 23453.54 | 26666.34 |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | --- | --- | 765042.47 | 721614.13 | 570559.85 | 567436.90 | 540290.82 | 520364.65 | 506152.55 |
| Central Europe | --- | --- | 193158.81 | 182777.58 | 154135.27 | 161090.65 | 158657.37 | 149063.01 | 136059.59 |
| Eastern Europe | --- | --- | 265816.51 | 234905.70 | 171120.36 | 165889.39 | 151523.13 | 145612.42 | 156557.88 |
| Western Europe | 333998.94 | 328177.54 | 306067.14 | 303930.85 | 245304.22 | 240456.86 | 230110.32 | 225689.22 | 213535.08 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | 13735.13 | 20285.56 | 24987.84 | 26732.28 | 28118.62 | 28643.53 | 27522.61 |
| Caribbean | --- | --- | 89.80 | 191.67 | 144.04 | 114.34 | 119.36 | 232.63 | 212.33 |
| Meso-America | --- | --- | 2483.37 | 3204.22 | 5463.19 | 6461.97 | 6618.76 | 6724.54 | 6560.95 |
| South America | --- | --- | 11161.96 | 16889.67 | 19380.61 | 20155.97 | 21380.50 | 21686.36 | 20749.33 |
| NORTH AMERICA | 235426.65 | 308523.11 | 397454.48 | 480929.48 | 500659.33 | 523402.06 | 557018.38 | 566691.50 | 567285.88 |
| North America | 235426.65 | 308523.11 | 397454.48 | 480929.48 | 500659.33 | 523402.06 | 557018.38 | 566691.50 | 567285.88 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | 6.44 | 0.00 | 120.28 | 133.50 | 133.50 | 133.50 | 133.50 |
| Arabian Peninsula | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mashriq | --- | --- | 6.44 | 0.00 | 120.28 | 133.50 | 133.50 | 133.50 | 133.50 |
| GLOBAL TOTALS | --- | --- | 1783495.23 | 2205546.72 | 2280581.28 | 2353712.03 | 2342760.85 | 2307693.74 | 2277514.97 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | --- | --- | 1784084.00 | 2206518.00 | 2281505.00 | 2354579.00 | 2343684.00 | 2308703.00 | 2278524.00 |

Comments:

Total primary energy supply (TPES) is made up of production + imports - exports - international marine bunkers ± stock changes.

Coal and coal products includes all coal, both primary (including hard coal and lignite/brown coal) and derived fuels (including patent fuel, coke oven coke, gas coke, BKB, coke oven gas, and blast furnace gas). Peat is also included in this category.

A ktoe (thousand tonne of oil equivalent) is defined as 41.868 TJ (terajoules) or 11.630 GWh (gigawatt-hour).

Total Primary Energy Supply (TPES) - Combustible Renewables and Waste

Units: thousand tonnes of oil equivalent (ktoe)

Data Source: Energy Balances of OECD Countries (1960-1999) and Non-OECD Countries (1971-1999)

Data Provider: International Energy Agency (IEA)

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|----------|----------|-----------|-----------|------------|------------|------------|------------|------------|
| AFRICA | ---- | ---- | 151687.82 | 196130.75 | 219929.17 | 227960.57 | 234144.59 | 239973.38 | 245710.91 |
| Central Africa | ---- | ---- | 11362.24 | 15294.00 | 17452.44 | 17989.07 | 18523.70 | 19095.89 | 19587.74 |
| Eastern Africa | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Northern Africa | ---- | ---- | 9046.90 | 11243.29 | 12195.57 | 15320.88 | 15769.05 | 16236.51 | 16573.61 |
| Southern Africa | ---- | ---- | 33326.87 | 41924.96 | 45446.91 | 46203.63 | 46963.85 | 47895.98 | 48906.90 |
| Western Africa | ---- | ---- | ---- | 67350.46 | 77330.60 | 79381.38 | 81681.41 | 83812.96 | 85902.23 |
| Western Indian Ocean | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| ASIA AND PACIFIC | ---- | ---- | 437961.51 | 519964.04 | 549017.10 | 553812.98 | 560954.60 | 564013.99 | 573139.70 |
| Australia and New Zealand | 4093.10 | 3539.61 | 4145.47 | 4640.63 | 5162.34 | 5768.96 | 6054.89 | 6315.64 | 6440.56 |
| Central Asia | ---- | ---- | 134.00 | 139.11 | 82.77 | 77.85 | 77.85 | 77.11 | 77.11 |
| North West Pacific and East Asia | ---- | ---- | 180866.83 | 208145.60 | 214993.87 | 216394.22 | 218131.88 | 217382.59 | 221608.91 |
| South Asia | ---- | ---- | 176071.30 | 211759.75 | 228105.77 | 230603.27 | 233873.20 | 237035.61 | 240860.89 |
| South East Asia | ---- | ---- | 76743.91 | 95278.95 | 100672.35 | 100968.68 | 102816.78 | 103203.04 | 104152.23 |
| South Pacific | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| EUROPE | ---- | ---- | 50706.01 | 67712.03 | 68472.98 | 72464.42 | 73228.47 | 73986.36 | 77877.78 |
| Central Europe | ---- | ---- | 13578.82 | 13239.70 | 16603.75 | 19951.69 | 19253.55 | 18825.78 | 18375.97 |
| Eastern Europe | ---- | ---- | 16901.94 | 17546.42 | 9409.87 | 7853.94 | 7604.65 | 6942.18 | 8708.43 |
| Western Europe | 9184.98 | 14063.09 | 20225.25 | 36925.91 | 42459.36 | 44658.79 | 46370.27 | 48218.40 | 50793.38 |
| LATIN AMERICA AND CARIBBEAN | ---- | ---- | 77838.87 | 84769.30 | 85933.95 | 86763.04 | 86132.70 | 86751.32 | 88420.47 |
| Caribbean | ---- | ---- | 7287.34 | 8289.08 | 6091.79 | 6839.81 | 6726.01 | 6282.10 | 6450.75 |
| Meso-America | ---- | ---- | 15348.79 | 15386.12 | 15684.05 | 15848.95 | 16406.81 | 16376.25 | 16194.69 |
| South America | ---- | ---- | 54556.98 | 60514.42 | 63532.87 | 63442.19 | 62364.01 | 63441.89 | 65123.95 |
| NORTH AMERICA | 36417.10 | 42588.52 | 62135.91 | 70391.08 | 80357.36 | 81806.67 | 80116.12 | 86048.94 | 92588.87 |
| North America | 36417.10 | 42588.52 | 62135.91 | 70391.08 | 80357.36 | 81806.67 | 80116.12 | 86048.94 | 92588.87 |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | ---- | ---- | 207.21 | 230.40 | 271.88 | 260.66 | 259.16 | 260.89 | 261.15 |
| Arabian Peninsula | ---- | ---- | 67.04 | 100.15 | 119.78 | 104.71 | 100.70 | 99.85 | 99.85 |
| Mashriq | ---- | ---- | 140.17 | 130.25 | 152.10 | 155.95 | 158.46 | 161.04 | 161.30 |
| GLOBAL TOTALS | ---- | ---- | 751139.02 | 902145.80 | 962589.26 | 980696.49 | 990910.68 | 1005797.28 | 1031602.03 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | --- | --- | 782909.35 | 941665.67 | 1006811.41 | 1025942.56 | 1037715.62 | 1053811.19 | 1080775.19 |

Comments:

TPES is made up of production + imports - exports - international marine bunkers ± stock changes.

Combustible renewables and waste comprises solid biomass and animal products, gas/liquids from biomass, industrial waste and municipal waste. Biomass is defined as any plant matter used directly as fuel or converted into fuels (e.g. charcoal) or electricity and/or heat. Included here are wood, vegetal waste (including wood waste and crops used for energy production), ethanol, animal materials/wastes and sulphite lyes (sulphite lyes are also known as "black liquor" and are an alkaline spent liquor from the digesters in the production of sulphate or soda pulp during the manufacture of paper. The energy is derived from the lignin removed from the wood pulp.). Municipal waste comprises wastes produced by the residential, commercial and public service sectors that are collected by local authorities for disposal in a central location for the production of heat and/or power. Hospital waste is included in this category.

Data under this heading are often based on small sample surveys or other incomplete information. Thus the data give only a broad impression of developments, and are not strictly comparable between countries. In some cases complete categories of vegetal fuel are omitted due to lack of information. It is therefore important to refer to the data of the individual country when consulting the regional aggregation.

A ktoe (thousand tonne of oil equivalent) is defined as 41.868 TJ (terajoules) or 11.630 GWh (gigawatt-hour).

Total Primary Energy Supply (TPES) - Crude Oil

Units: thousand tonnes of oil equivalent (ktoe)

Data Source: Energy Balances of OECD Countries (1960-1999) and Non-OECD Countries (1971-1999)

Data Provider: International Energy Agency (IEA)

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|
| AFRICA | --- | --- | 70859.62 | 113835.14 | 124845.66 | 124482.03 | 136204.18 | 130097.82 | 125767.14 |
| Central Africa | --- | --- | 2059.81 | 2358.49 | 2535.28 | 2673.26 | 2693.71 | 2607.55 | 2360.32 |
| Eastern Africa | --- | --- | -10953.88 | -10816.45 | -10723.82 | -10738.07 | -10988.50 | -10596.57 | -10596.57 |
| Northern Africa | --- | --- | 39697.21 | 75716.95 | 81949.76 | 80491.80 | 87500.55 | 88764.02 | 86116.36 |
| Southern Africa | --- | --- | 14240.51 | 15311.03 | 19974.19 | 19821.21 | 25621.21 | 23078.73 | 20781.43 |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | 581175.77 | 685557.95 | 856675.71 | 908527.74 | 961567.21 | 944092.07 | 969641.27 |
| Australia and New Zealand | 11678.93 | 27987.38 | 34849.13 | 37287.45 | 40245.13 | 42945.68 | 42819.39 | 43182.50 | 42041.05 |
| Central Asia | --- | --- | 42507.51 | 40718.43 | 22554.79 | 22965.05 | 22757.22 | 24388.67 | 22266.72 |
| North West Pacific and East Asia | --- | --- | 357358.92 | 382388.44 | 501670.08 | 524661.73 | 568827.36 | 553526.70 | 575530.99 |
| South Asia | --- | --- | 70335.33 | 108329.45 | 131781.02 | 138004.72 | 137459.46 | 143771.99 | 159632.90 |
| South East Asia | --- | --- | 76124.88 | 116834.18 | 160424.69 | 179950.56 | 189703.78 | 179222.21 | 170169.61 |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | --- | --- | 1211660.89 | 1113703.29 | 960338.87 | 966061.98 | 976916.40 | 986233.60 | 953864.99 |
| Central Europe | --- | --- | 123927.85 | 114592.58 | 97813.58 | 97242.29 | 98096.92 | 100309.12 | 93541.21 |
| Eastern Europe | --- | --- | 433206.64 | 414973.54 | 229421.55 | 217557.72 | 216327.69 | 205576.10 | 210336.92 |
| Western Europe | 186762.45 | 636139.90 | 654526.40 | 584137.17 | 633103.74 | 651261.97 | 662491.79 | 680348.38 | 649986.86 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | 287386.89 | 282665.97 | 299534.00 | 308981.13 | 316657.76 | 329588.36 | 330432.64 |
| Caribbean | --- | --- | 49770.38 | 24691.60 | 24664.31 | 25053.23 | 23090.89 | 25527.19 | 23017.05 |
| Meso-America | --- | --- | 73652.41 | 87422.48 | 89003.57 | 86438.31 | 86011.36 | 88586.03 | 90203.23 |
| South America | --- | --- | 163964.10 | 170551.89 | 185866.12 | 197489.59 | 207555.51 | 215475.14 | 217212.36 |
| NORTH AMERICA | 486893.87 | 686921.65 | 885493.76 | 866353.99 | 904599.12 | 927751.94 | 958435.04 | 966108.23 | 962163.78 |
| North America | 486893.87 | 686921.65 | 885493.76 | 866353.99 | 904599.12 | 927751.94 | 958435.04 | 966108.23 | 962163.78 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | 98557.36 | 176737.54 | 220031.76 | 231837.73 | 220651.86 | 219630.90 | 218626.65 |
| Arabian Peninsula | --- | --- | 77848.27 | 141172.04 | 179857.00 | 190986.01 | 179649.42 | 177888.77 | 177720.02 |
| Mashriq | --- | --- | 20709.09 | 35565.50 | 40174.76 | 40851.72 | 41002.44 | 41742.13 | 40906.63 |
| GLOBAL TOTALS | --- | --- | 3135134.29 | 3238853.88 | 3366025.12 | 3467642.55 | 3570432.45 | 3575750.98 | 3560496.47 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | --- | --- | 3147420.00 | 3241267.00 | 3368742.00 | 3470307.00 | 3573274.00 | 3578339.00 | 3563084.00 |

Comments:

TPES is made up of production + imports - exports - international marine bunkers ± stock changes.

Crude oil, natural gas liquids, refinery feedstocks comprises crude oil, natural gas liquids, refinery feedstocks, and additives as well as other hydrocarbons (which are shown separately in the row "from other sources" in the Energy Statistics of OECD Countries publication).

A ktoe (thousand tonne of oil equivalent) is defined as 41.868 TJ (terajoules) or 11.630 GWh (gigawatt-hour).

Total Primary Energy Supply (TPES) – Geothermal

Units: thousand tonnes of oil equivalent (ktoe)

Data Source: Energy Balances of OECD Countries (1960-1999) and Non-OECD Countries (1971-1999)

Data Provider: International Energy Agency (IEA)

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| AFRICA | ---- | ---- | 0.00 | 280.36 | 255.42 | 233.92 | 233.92 | 224.46 | 249.40 | 335.40 | 337.98 | 314.76 | 357.76 |
| Central Africa | ---- | ---- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Eastern Africa | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Northern Africa | ---- | ---- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Southern Africa | ---- | ---- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Western Africa | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Western Indian Ocean | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| ASIA AND PACIFIC | ---- | ---- | 3579.32 | 9481.32 | 9692.69 | 9783.17 | 9669.35 | 11062.09 | 12308.63 | 13253.37 | 14351.44 | 15775.25 | 17279.74 |
| Australia and New Zealand | 350.02 | 1094.78 | 1019.10 | 2315.80 | 2314.75 | 2412.11 | 2329.25 | 2355.11 | 2228.21 | 2298.73 | 2401.50 | 2582.29 | 2621.94 |
| Central Asia | ---- | ---- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| North West Pacific and East Asia | ---- | ---- | 774.00 | 1497.26 | 1524.78 | 1536.82 | 1528.22 | 1894.92 | 2915.76 | 3397.82 | 3484.96 | 3277.16 | 3200.88 |
| South Asia | ---- | ---- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| South East Asia | ---- | ---- | 1786.22 | 5668.26 | 5853.16 | 5834.24 | 5811.88 | 6812.06 | 7164.66 | 7556.82 | 8464.98 | 9915.80 | 11456.92 |
| South Pacific | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| EUROPE | ---- | ---- | 2489.05 | 3309.82 | 3284.83 | 3469.90 | 3592.89 | 3501.98 | 3599.01 | 3839.81 | 3972.66 | 4461.94 | 5087.42 |
| Central Europe | ---- | ---- | 0.00 | 84.80 | 85.66 | 90.19 | 97.07 | 122.46 | 150.55 | 174.81 | 191.95 | 244.73 | 251.75 |
| Eastern Europe | ---- | ---- | 0.00 | 0.00 | 0.00 | 24.94 | 24.08 | 26.66 | 25.80 | 24.08 | 24.94 | 25.80 | 24.08 |
| Western Europe | 1613.49 | 2215.96 | 2489.05 | 3225.02 | 3199.17 | 3354.77 | 3471.74 | 3352.86 | 3422.66 | 3640.92 | 3755.77 | 4191.41 | 4811.59 |
| LATIN AMERICA AND CARIBBEAN | ---- | ---- | 1210.02 | 5098.94 | 5433.48 | 5730.18 | 5730.18 | 5473.90 | 5925.40 | 5974.42 | 5766.30 | 5866.06 | 6129.22 |
| Caribbean | ---- | ---- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Meso-America | ---- | ---- | 1210.02 | 5098.94 | 5433.48 | 5730.18 | 5730.18 | 5473.90 | 5925.40 | 5974.42 | 5766.30 | 5866.06 | 6129.22 |
| South America | ---- | ---- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NORTH AMERICA | 30.10 | 483.32 | 4602.72 | 13770.32 | 13989.62 | 14764.48 | 15285.64 | 15031.94 | 12849.26 | 13541.56 | 12820.02 | 13217.34 | 14947.66 |
| North America | 30.10 | 483.32 | 4602.72 | 13770.32 | 13989.62 | 14764.48 | 15285.64 | 15031.94 | 12849.26 | 13541.56 | 12820.02 | 13217.34 | 14947.66 |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | ---- | ---- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Arabian Peninsula | ---- | ---- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mashriq | ---- | ---- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GLOBAL TOTALS | ---- | ---- | 11881.11 | 31940.76 | 32656.04 | 33981.65 | 34511.98 | 35294.37 | 34931.70 | 36944.56 | 37248.40 | 39635.35 | 43801.80 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ---- | ---- | 11881.00 | 31941.00 | 32656.00 | 33982.00 | 34512.00 | 35294.00 | 34932.00 | 36945.00 | 37248.00 | 39635.00 | 43802.00 |

Comments:

TPES is made up of production + imports - exports - international marine bunkers ± stock changes.

Geothermal includes production of geothermal for electricity generation and primary energy used directly by end-users (e.g. geothermal heating of buildings and greenhouses). For electricity generation, unless the actual efficiency of the geothermal process is known, the quantity of geothermal energy entering electricity generation is inferred from the electricity production at geothermal plants assuming an average thermal efficiency of 10 per cent.

A ktoe (thousand tonne of oil equivalent) is defined as 41.868 TJ (terajoules) or 11.630 GWh (gigawatt-hour).

Total Primary Energy Supply (TPES) – Hydro

Units: thousand tonnes of oil equivalent (ktoe)

Data Source: Energy Balances of OECD Countries (1960-1999) and Non-OECD Countries (1971-1999)

Data Provider: International Energy Agency (IEA)

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| AFRICA | --- | --- | 3872.40 | 4373.70 | 4717.69 | 5020.06 | 5198.09 | 5451.37 | 5701.26 |
| Central Africa | --- | --- | 513.25 | 814.94 | 790.34 | 813.13 | 833.08 | 825.60 | 843.23 |
| Eastern Africa | --- | --- | -10048.19 | -10081.39 | -10082.59 | -10091.36 | -10089.64 | -10088.70 | -10094.03 |
| Northern Africa | --- | --- | 1046.53 | 1085.24 | 1178.98 | 1299.03 | 1325.25 | 1364.82 | 1549.03 |
| Southern Africa | --- | --- | 1370.32 | 1173.81 | 1209.23 | 1308.22 | 1383.73 | 1915.82 | 1958.55 |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | 26744.18 | 40259.01 | 46294.31 | 45681.82 | 46530.37 | 48829.23 | 48290.27 |
| Australia and New Zealand | 822.42 | 1743.31 | 2740.82 | 3223.97 | 3710.38 | 3590.24 | 3502.95 | 3457.28 | 3456.86 |
| Central Asia | --- | --- | 2771.08 | 3495.55 | 3460.39 | 3520.93 | 3175.80 | 3095.75 | 3387.45 |
| North West Pacific and East Asia | --- | --- | 14956.43 | 22559.87 | 26430.72 | 26010.95 | 27530.06 | 28921.80 | 27901.23 |
| South Asia | --- | --- | 5431.41 | 8563.80 | 9349.41 | 9003.17 | 9258.59 | 10189.36 | 9890.00 |
| South East Asia | --- | --- | 844.44 | 2415.82 | 3343.41 | 3556.53 | 3062.97 | 3165.04 | 3654.73 |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | --- | --- | 52911.60 | 57745.26 | 63446.08 | 59989.92 | 61934.80 | 64510.24 | 64618.82 |
| Central Europe | --- | --- | 5881.76 | 5772.04 | 7908.05 | 8509.20 | 8543.16 | 9156.16 | 8546.75 |
| Eastern Europe | --- | --- | 12901.95 | 16275.05 | 16726.40 | 14745.91 | 15135.31 | 15857.02 | 15606.07 |
| Western Europe | 19110.47 | 27354.62 | 34127.90 | 35698.17 | 38811.63 | 36734.81 | 38256.33 | 39497.06 | 40466.00 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | 18688.73 | 33223.87 | 42289.91 | 44561.59 | 46049.40 | 46801.03 | 47582.18 |
| Caribbean | --- | --- | 85.57 | 86.60 | 88.66 | 115.24 | 95.46 | 105.27 | 135.97 |
| Meso-America | --- | --- | 1933.28 | 3035.20 | 3356.76 | 3869.23 | 3512.41 | 3237.91 | 4100.14 |
| South America | --- | --- | 16669.88 | 30102.07 | 38844.49 | 40577.12 | 42441.53 | 43457.85 | 43346.07 |
| NORTH AMERICA | 21865.67 | 35141.06 | 45573.90 | 49010.45 | 55903.36 | 60765.10 | 58545.19 | 53758.43 | 54523.66 |
| North America | 21865.67 | 35141.06 | 45573.90 | 49010.45 | 55903.36 | 60765.10 | 58545.19 | 53758.43 | 54523.66 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | 352.69 | 753.28 | 709.41 | 716.72 | 764.20 | 807.55 | 827.66 |
| Arabian Peninsula | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mashriq | --- | --- | 352.69 | 753.28 | 709.41 | 716.72 | 764.20 | 807.55 | 827.66 |
| GLOBAL TOTALS | --- | --- | 148143.50 | 185365.57 | 213360.76 | 216735.21 | 219022.05 | 220157.85 | 221543.85 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | --- | --- | 148552.00 | 186105.00 | 214125.00 | 217512.00 | 219702.00 | 220837.00 | 222223.00 |

Comments:

TPES is made up of production + imports - exports - international marine bunkers ± stock changes.

A ktoe (thousand tonne of oil equivalent) is defined as 41.868 TJ (terajoules) or 11.630 GWh (gigawatt-hour).

Total Primary Energy Supply (TPES) - Natural Gas

Units: thousand tonnes of oil equivalent (ktoe)

Data Source: Energy Balances of OECD Countries (1960-1999) and Non-OECD Countries (1971-1999)

Data Provider: International Energy Agency (IEA)

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|
| AFRICA | --- | --- | 12264.91 | 32039.31 | 39968.05 | 40968.93 | 43020.22 | 44475.17 | 49102.05 |
| Central Africa | --- | --- | 12.53 | 68.77 | 66.81 | 71.28 | 67.95 | 67.95 | 67.95 |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | 10950.04 | 26754.07 | 33250.64 | 34030.11 | 35815.23 | 37001.20 | 40525.66 |
| Southern Africa | --- | --- | 64.49 | 1945.28 | 2172.34 | 2000.87 | 1843.73 | 1634.19 | 1975.56 |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | 98544.55 | 212840.95 | 275581.01 | 292784.01 | 312592.41 | 329473.59 | 348536.45 |
| Australia and New Zealand | 58.13 | 1289.43 | 8255.88 | 18658.69 | 20564.35 | 21197.15 | 21633.22 | 21868.39 | 23015.36 |
| Central Asia | --- | --- | 35059.60 | 62086.93 | 55516.82 | 52651.39 | 51677.84 | 58238.35 | 59014.59 |
| North West Pacific and East Asia | --- | --- | 34941.77 | 63548.90 | 82564.01 | 92944.24 | 98592.52 | 103585.56 | 110982.88 |
| South Asia | --- | --- | 10965.75 | 41418.35 | 67915.50 | 73247.34 | 81284.83 | 85608.12 | 91448.58 |
| South East Asia | --- | --- | 9321.55 | 27128.08 | 49020.33 | 52743.89 | 59404.00 | 60173.17 | 64075.04 |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | --- | --- | 527476.70 | 796083.46 | 754129.79 | 797938.52 | 779684.80 | 783480.34 | 804172.32 |
| Central Europe | --- | --- | 64350.68 | 75948.53 | 66829.64 | 72907.75 | 69543.82 | 68170.67 | 67536.16 |
| Eastern Europe | --- | --- | 278502.62 | 493199.39 | 406748.44 | 414386.04 | 401459.97 | 393225.35 | 401061.94 |
| Western Europe | 10168.05 | 62795.66 | 184623.40 | 226935.53 | 280551.71 | 310644.73 | 308681.01 | 322084.32 | 335574.22 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | 50787.79 | 75946.91 | 90807.17 | 99951.02 | 104579.66 | 112825.86 | 113891.77 |
| Caribbean | --- | --- | 2450.57 | 4723.85 | 5044.50 | 5780.81 | 6063.41 | 7188.92 | 8355.90 |
| Meso-America | --- | --- | 19130.63 | 23119.89 | 25353.52 | 27777.80 | 28823.23 | 31451.28 | 30952.41 |
| South America | --- | --- | 29206.59 | 48103.17 | 60409.15 | 66392.41 | 69693.02 | 74185.66 | 74583.46 |
| NORTH AMERICA | 292527.49 | 528206.28 | 522335.49 | 494079.28 | 575862.23 | 574986.36 | 579216.36 | 568102.53 | 592290.14 |
| North America | 292527.49 | 528206.28 | 522335.49 | 494079.28 | 575862.23 | 574986.36 | 579216.36 | 568102.53 | 592290.14 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | 27312.89 | 59921.92 | 84523.84 | 91855.26 | 97954.18 | 102830.22 | 104350.34 |
| Arabian Peninsula | --- | --- | 25082.70 | 55053.45 | 78830.79 | 86096.65 | 90647.23 | 94311.05 | 95415.89 |
| Mashriq | --- | --- | 2230.19 | 4868.47 | 5693.05 | 5758.61 | 7306.95 | 8519.17 | 8934.45 |
| GLOBAL TOTALS | --- | --- | 1238722.33 | 1670911.83 | 1820872.09 | 1898484.10 | 1917047.63 | 1941187.71 | 2012343.07 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | --- | --- | 1238816.00 | 1671176.00 | 1821117.00 | 1898721.00 | 1917261.00 | 1941404.00 | 2012559.00 |

Comments:

TPES is made up of production + imports - exports - international marine bunkers ± stock changes.

Natural gas excludes natural gas liquids and includes gas works gas. The latter appears as a positive figure in the "gas works" row but is not part of production.

A ktoe (thousand tonne of oil equivalent) is defined as 41.868 TJ (terajoules) or 11.630 GWh (gigawatt-hour).

Total Primary Energy Supply (TPES) – Nuclear

Units: thousand tonnes of oil equivalent (ktoe)

Data Source: Energy Balances of OECD Countries (1960-1999) and Non-OECD Countries (1971-1999)

Data Provider: International Energy Agency (IEA)

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|--------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| AFRICA | --- | --- | 0.00 | 2945.11 | 3068.64 | 3295.89 | 3544.50 | 3345.40 |
| Central Africa | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Southern Africa | --- | --- | 0.00 | 2945.11 | 3068.64 | 3295.89 | 3544.50 | 3345.40 |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | 25349.16 | 108131.97 | 114094.63 | 119195.74 | 126445.55 | 126761.39 |
| Australia and New Zealand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Central Asia | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| North West Pacific and East Asia | --- | --- | 24566.56 | 105918.64 | 111604.80 | 116477.88 | 123255.21 | 123278.39 |
| South Asia | --- | --- | 782.60 | 2213.33 | 2489.83 | 2717.86 | 3190.34 | 3483.00 |
| South East Asia | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | --- | --- | 80681.67 | 280851.09 | 298078.35 | 300734.87 | 297901.87 | 304426.06 |
| Central Europe | --- | --- | 4039.01 | 18715.63 | 19967.90 | 20253.95 | 20739.29 | 19913.21 |
| Eastern Europe | --- | --- | 17770.35 | 44706.93 | 50111.88 | 49730.35 | 47806.06 | 51451.44 |
| Western Europe | 617.64 | 11613.40 | 58872.31 | 217428.53 | 227998.57 | 230750.57 | 229356.52 | 233061.41 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | 609.82 | 4698.21 | 4629.93 | 5625.45 | 5207.70 | 5494.88 |
| Caribbean | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Meso-America | --- | --- | 0.00 | 2200.30 | 2053.06 | 2724.90 | 2414.52 | 2606.58 |
| South America | --- | --- | 609.82 | 2497.91 | 2576.87 | 2900.55 | 2793.18 | 2888.30 |
| NORTH AMERICA | 144.38 | 6348.63 | 79769.48 | 211583.28 | 210624.45 | 195194.15 | 204741.24 | 221873.75 |
| North America | 144.38 | 6348.63 | 79769.48 | 211583.28 | 210624.45 | 195194.15 | 204741.24 | 221873.75 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Arabian Peninsula | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mashriq | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GLOBAL TOTALS | --- | --- | 186410.13 | 608209.66 | 630496.00 | 624046.10 | 637840.86 | 661901.48 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | --- | --- | 186410.00 | 608210.00 | 630496.00 | 624046.00 | 637841.00 | 661901.00 |

Comments:

TPES is made up of production + imports - exports - international marine bunkers ± stock changes.

Nuclear power shows the primary heat equivalent of the electricity produced by a nuclear power plant with an average thermal efficiency of 33 percent.

A ktoe (thousand tonne of oil equivalent) is defined as 41.868 TJ (terajoules) or 11.630 GWh (gigawatt-hour).

Total Primary Energy Supply (TPES) - per Capita

Units: thousand tonnes of oil equivalent (ktoe)

Data Source: Energy Balances of OECD Countries (1960-1999) and Non-OECD Countries (1971-1999)

Data Provider: International Energy Agency (IEA)

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|
| AFRICA | --- | --- | 0.66 | 0.69 | 0.70 | 0.68 | 0.67 | 0.67 | 0.68 | 0.68 | 0.68 | 0.69 | 0.68 |
| Central Africa | --- | --- | 0.39 | 0.37 | 0.37 | 0.36 | 0.35 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | 0.47 | 0.63 | 0.65 | 0.64 | 0.65 | 0.63 | 0.64 | 0.66 | 0.68 | 0.71 | 0.69 |
| Southern Africa | --- | --- | 1.25 | 1.27 | 1.27 | 1.19 | 1.21 | 1.22 | 1.23 | 1.22 | 1.21 | 1.20 | 1.18 |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | 0.68 | 0.82 | 0.83 | 0.84 | 0.86 | 0.88 | 0.91 | 0.93 | 0.94 | 0.94 | 0.94 |
| Australia and New Zealand | 2.82 | 3.81 | 4.50 | 5.01 | 4.91 | 4.95 | 5.10 | 5.08 | 5.10 | 5.38 | 5.50 | 5.42 | 5.56 |
| Central Asia | --- | --- | 3.19 | 3.10 | 3.04 | 2.88 | 2.53 | 2.29 | 2.09 | 1.94 | 1.81 | 3.72 | 3.43 |
| North West Pacific and East Asia | --- | --- | 0.87 | 1.10 | 1.10 | 1.13 | 1.17 | 1.21 | 1.27 | 1.31 | 1.31 | 1.27 | 1.28 |
| South Asia | --- | --- | 0.35 | 0.43 | 0.44 | 0.44 | 0.45 | 0.46 | 0.48 | 0.49 | 0.49 | 0.49 | 0.49 |
| South East Asia | --- | --- | 0.44 | 0.56 | 0.58 | 0.61 | 0.64 | 0.66 | 0.69 | 0.71 | 0.75 | 0.72 | 0.73 |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | --- | --- | 3.50 | 3.71 | 3.69 | 3.52 | 3.43 | 3.25 | 3.26 | 3.32 | 3.26 | 3.25 | 3.27 |
| Central Europe | --- | --- | 2.39 | 2.22 | 2.04 | 1.94 | 1.92 | 1.83 | 1.91 | 2.02 | 1.98 | 1.91 | 1.81 |
| Eastern Europe | --- | --- | 4.52 | 5.05 | 5.01 | 4.60 | 4.32 | 3.75 | 3.63 | 3.57 | 3.44 | 3.36 | 3.49 |
| Western Europe | 1.72 | 2.98 | 3.41 | 3.63 | 3.70 | 3.65 | 3.64 | 3.65 | 3.70 | 3.81 | 3.79 | 3.85 | 3.86 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | 1.08 | 1.05 | 1.06 | 1.07 | 1.06 | 1.10 | 1.10 | 1.13 | 1.15 | 1.18 | 1.17 |
| Caribbean | --- | --- | 1.27 | 1.17 | 1.06 | 1.03 | 0.99 | 1.01 | 1.02 | 1.09 | 1.06 | 1.10 | 1.11 |
| Meso-America | --- | --- | 1.25 | 1.25 | 1.28 | 1.29 | 1.26 | 1.28 | 1.23 | 1.24 | 1.26 | 1.30 | 1.29 |
| South America | --- | --- | 1.00 | 0.97 | 0.98 | 0.99 | 1.00 | 1.05 | 1.06 | 1.10 | 1.12 | 1.15 | 1.13 |
| NORTH AMERICA | 5.38 | 7.32 | 7.86 | 7.56 | 7.52 | 7.59 | 7.69 | 7.74 | 7.78 | 7.88 | 7.93 | 7.94 | 8.08 |
| North America | 5.38 | 7.32 | 7.86 | 7.56 | 7.52 | 7.59 | 7.69 | 7.74 | 7.78 | 7.88 | 7.93 | 7.94 | 8.08 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | 1.74 | 2.07 | 2.13 | 2.32 | 2.38 | 2.40 | 2.41 | 2.51 | 2.40 | 2.39 | 2.37 |
| Arabian Peninsula | --- | --- | 2.93 | 3.17 | 3.43 | 3.68 | 3.78 | 3.77 | 3.75 | 3.97 | 3.71 | 3.64 | 3.62 |
| Mashriq | --- | --- | 0.81 | 1.08 | 0.97 | 1.10 | 1.13 | 1.20 | 1.23 | 1.22 | 1.23 | 1.26 | 1.23 |
| GLOBAL TOTALS | --- | --- | 1.62 | 1.64 | 1.64 | 1.62 | 1.62 | 1.60 | 1.62 | 1.65 | 1.64 | 1.64 | 1.64 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

TPES is made up of indigenous production + imports - exports - international marine bunkers ± stock changes. For the global total, TPES excludes international marine bunkers.

Indigenous production is the production of primary energy, in other words hard coal, lignite, peat, crude oil, NGLs, natural gas, combustible renewables and waste, nuclear, hydro, geothermal, solar and the heat from heat pumps that is extracted from the ambient environment. Production is calculated after removal of impurities.

A toe (tonne of oil equivalent) is defined as 41.868 gigajoules or 10^7 kilocalories. One terawatt-hour = 0.086 Mtoe.

Total Primary Energy Supply (TPES) - Petroleum Products

Units: thousand tonnes of oil equivalent (ktoe)

Data Source: Energy Balances of OECD Countries (1960-1999) and Non-OECD Countries (1971-1999)

Data Provider: International Energy Agency (IEA)

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|----------|-----------|------------|------------|------------|------------|------------|------------|------------|
| AFRICA | --- | --- | -10157.28 | -31079.32 | -37250.95 | -37134.59 | -42440.81 | -29914.34 | -34897.10 |
| Central Africa | --- | --- | 587.91 | 509.09 | -202.10 | -338.37 | -230.32 | -92.76 | -47.45 |
| Eastern Africa | --- | --- | -10360.58 | -11033.70 | -10838.66 | -10798.36 | -10904.32 | -11085.56 | -11252.41 |
| Northern Africa | --- | --- | -9524.00 | -27248.18 | -29768.33 | -28411.31 | -31072.73 | -28933.26 | -30646.30 |
| Southern Africa | --- | --- | -332.74 | -835.32 | -4060.47 | -3433.83 | -8639.70 | -3210.14 | -4827.07 |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | 8116.24 | 54112.82 | 68032.41 | 62267.75 | 45631.97 | 26002.83 | 38397.61 |
| Australia and New Zealand | 1205.92 | 307.73 | 212.97 | -788.52 | -201.02 | 178.43 | -917.28 | -1613.95 | -15.38 |
| Central Asia | --- | --- | -1396.22 | -1670.41 | 770.91 | -653.16 | -1135.95 | -2700.26 | -2418.76 |
| North West Pacific and East Asia | --- | --- | 21893.36 | 66606.93 | 66250.84 | 68848.15 | 50774.87 | 38429.66 | 47861.34 |
| South Asia | --- | --- | 2293.91 | 12816.93 | 19956.22 | 24482.41 | 22293.96 | 19795.63 | 11243.02 |
| South East Asia | --- | --- | -14887.78 | -22852.11 | -18744.54 | -30588.08 | -25383.63 | -27908.25 | -18272.61 |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | --- | --- | -45830.82 | -56226.57 | -52949.16 | -63254.68 | -79165.44 | -78307.10 | -50813.96 |
| Central Europe | --- | --- | -3955.76 | -1215.24 | 3491.72 | 8597.14 | 6969.59 | 5533.74 | 9096.08 |
| Eastern Europe | --- | --- | -44301.84 | -53001.72 | -37812.39 | -45987.56 | -50291.25 | -45027.37 | -47990.92 |
| Western Europe | -644.21 | -36420.75 | 2426.79 | -2009.61 | -18628.49 | -25864.26 | -35843.78 | -38813.47 | -11919.12 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | -65481.33 | -48238.44 | -32387.79 | -31951.79 | -29832.33 | -29163.28 | -29915.98 |
| Caribbean | --- | --- | -28957.98 | -4843.14 | -5246.39 | -4699.17 | -3497.07 | -5134.98 | -3101.26 |
| Meso-America | --- | --- | -1823.22 | 1257.67 | 4395.58 | 7127.68 | 11322.43 | 14079.50 | 13558.59 |
| South America | --- | --- | -34700.13 | -44652.97 | -31536.98 | -34380.30 | -37657.69 | -38107.80 | -40373.31 |
| NORTH AMERICA | 25113.15 | 88643.51 | 7328.99 | -19041.02 | -24385.57 | -19782.50 | -25378.15 | -15963.16 | 5595.96 |
| North America | 25113.15 | 88643.51 | 7328.99 | -19041.02 | -24385.57 | -19782.50 | -25378.15 | -15963.16 | 5595.96 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | -40563.76 | -91848.78 | -107380.37 | -111518.70 | -109701.20 | -107964.00 | -103293.63 |
| Arabian Peninsula | --- | --- | -38740.00 | -89050.81 | -111605.08 | -116025.19 | -114423.26 | -113447.00 | -109378.50 |
| Mashriq | --- | --- | -1823.76 | -2797.97 | 4224.71 | 4506.49 | 4722.06 | 5483.00 | 6084.87 |
| GLOBAL TOTALS | --- | --- | -146587.96 | -192321.31 | -186321.43 | -201374.51 | -240885.96 | -235309.05 | -174927.10 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | --- | --- | -147015.00 | -182567.00 | -176619.00 | -191492.00 | -231344.00 | -225503.00 | -165121.00 |

Comments:

TPES is made up of production + imports - exports - international marine bunkers ± stock changes.

Petroleum products comprise refinery gas, ethane, LPG, aviation gasoline, motor gasoline, jet fuels, kerosene, gas/diesel oil, heavy fuel oil, naphtha, white spirit, lubricants, bitumen, paraffin waxes, petroleum coke and other petroleum products.

A ktoe (thousand tonne of oil equivalent) is defined as 41.868 TJ (terajoules) or 11.630 GWh (gigawatt-hour).

Total Primary Energy Supply (TPES) - Solar, Wind, Tide and Wave

Units: thousand tonnes of oil equivalent (ktoe)

Data Source: Energy Balances of OECD Countries (1960-1999) and Non-OECD Countries (1971-1999)

Data Provider: International Energy Agency (IEA)

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|------|-------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| AFRICA | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Central Africa | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Southern Africa | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | 19.46 | 87.01 | 88.23 | 91.10 | 92.10 | 106.02 | 139.38 | 254.73 | 258.40 | 1135.83 | 1122.76 |
| Australia and New Zealand | 0.00 | 0.00 | 19.46 | 81.31 | 81.38 | 81.48 | 81.38 | 81.82 | 84.05 | 87.78 | 90.78 | 93.16 | 100.48 |
| Central Asia | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| North West Pacific and East Asia | --- | --- | 0.00 | 2.86 | 3.41 | 5.06 | 5.73 | 8.46 | 11.04 | 14.22 | 17.21 | 889.77 | 869.38 |
| South Asia | --- | --- | 0.00 | 2.75 | 3.35 | 4.47 | 4.90 | 15.65 | 44.20 | 97.35 | 89.18 | 89.18 | 89.18 |
| South East Asia | --- | --- | 0.00 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 55.38 | 61.23 | 63.72 | 63.72 |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | --- | --- | 44.71 | 615.07 | 683.67 | 786.83 | 899.23 | 1038.75 | 1213.79 | 1364.72 | 1675.46 | 2086.62 | 2425.01 |
| Central Europe | --- | --- | 0.00 | 20.99 | 26.98 | 32.00 | 37.99 | 44.99 | 83.08 | 96.14 | 113.30 | 134.95 | 149.38 |
| Eastern Europe | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 | 0.43 |
| Western Europe | 0.00 | 42.48 | 44.71 | 594.08 | 656.69 | 754.83 | 861.24 | 993.76 | 1130.71 | 1268.58 | 1562.16 | 1951.41 | 2275.20 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.52 | 3.44 | 8.60 | 42.46 | 49.27 |
| Caribbean | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Meso-America | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.52 | 2.41 | 6.88 | 39.10 | 46.00 |
| South America | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.72 | 3.36 | 3.27 |
| NORTH AMERICA | 0.00 | 0.00 | 0.00 | 256.97 | 297.99 | 323.45 | 348.21 | 378.92 | 354.23 | 379.52 | 372.55 | 344.43 | 485.39 |
| North America | 0.00 | 0.00 | 0.00 | 256.97 | 297.99 | 323.45 | 348.21 | 378.92 | 354.23 | 379.52 | 372.55 | 344.43 | 485.39 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | 0.00 | 58.11 | 58.11 | 61.36 | 61.96 | 62.58 | 62.63 | 64.08 | 67.60 | 70.44 | 71.31 |
| Arabian Peninsula | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mashriq | --- | --- | 0.00 | 58.11 | 58.11 | 61.36 | 61.96 | 62.58 | 62.63 | 64.08 | 67.60 | 70.44 | 71.31 |
| GLOBAL TOTALS | --- | --- | 64.17 | 1017.16 | 1128.00 | 1262.74 | 1401.50 | 1586.61 | 1770.55 | 2066.49 | 2382.61 | 3679.78 | 4153.74 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | --- | --- | 64.00 | 1017.00 | 1128.00 | 1263.00 | 1402.00 | 1587.00 | 1771.00 | 2066.00 | 2383.00 | 3680.00 | 4154.00 |

Comments:

TPES is made up of production + imports - exports - international marine bunkers ± stock changes.

Solar, wind, tide and wave - indigenous production of solar, wind, tide and wave energy and the use of these energy forms for electricity generation. Other uses shown in this column relate only to solar heat. For solar, wind, tide and wave energy, the quantities entering electricity generation are equal to the electrical energy generated.

A ktoe (thousand tonne of oil equivalent) is defined as 41.868 TJ (terajoules) or 11.630 GWh (gigawatt-hour).

Total Primary Energy Supply (TPES) – Total

Units: million tonnes of oil equivalent (ktoe)

Data Source: Energy Balances of OECD Countries (1960-1999) and Non-OECD Countries (1971-1999)

Data Provider: International Energy Agency (IEA)

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| AFRICA | --- | --- | 251.88 | 354.10 | 368.86 | 369.97 | 373.53 | 384.00 | 398.49 | 408.23 | 423.05 | 433.91 | 437.69 |
| Central Africa | --- | --- | 14.74 | 19.27 | 19.62 | 19.94 | 20.47 | 20.20 | 20.81 | 21.34 | 22.02 | 22.64 | 22.95 |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | 52.35 | 90.14 | 94.35 | 95.85 | 99.37 | 97.45 | 101.78 | 106.19 | 112.69 | 118.20 | 117.99 |
| Southern Africa | --- | --- | 99.33 | 131.54 | 137.55 | 132.31 | 138.12 | 143.20 | 148.17 | 150.47 | 153.40 | 155.39 | 156.40 |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | 1735.04 | 2512.38 | 2576.39 | 2661.62 | 2763.65 | 2871.34 | 3017.05 | 3141.93 | 3191.67 | 3163.33 | 3212.00 |
| Australia and New Zealand | 35.67 | 58.56 | 79.58 | 101.52 | 100.89 | 103.07 | 107.74 | 108.68 | 110.52 | 118.02 | 122.15 | 121.73 | 126.11 |
| Central Asia | --- | --- | 131.71 | 156.84 | 156.07 | 150.12 | 133.62 | 122.20 | 112.50 | 105.95 | 99.89 | 106.15 | 104.25 |
| North West Pacific and East Asia | --- | --- | 1045.45 | 1522.71 | 1549.73 | 1606.96 | 1681.44 | 1758.58 | 1858.37 | 1938.16 | 1955.16 | 1920.47 | 1941.89 |
| South Asia | --- | --- | 324.83 | 494.31 | 515.97 | 533.46 | 553.77 | 581.51 | 614.95 | 642.27 | 651.70 | 663.56 | 677.60 |
| South East Asia | --- | --- | 153.47 | 237.00 | 253.73 | 268.01 | 287.08 | 300.37 | 320.71 | 337.53 | 362.77 | 351.42 | 362.15 |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | --- | --- | 2647.57 | 2965.32 | 2960.03 | 2838.51 | 2773.08 | 2634.56 | 2649.26 | 2703.82 | 2659.10 | 2654.77 | 2667.81 |
| Central Europe | --- | --- | 404.49 | 415.14 | 384.07 | 366.99 | 364.88 | 348.63 | 365.87 | 388.60 | 381.74 | 371.58 | 352.97 |
| Eastern Europe | --- | --- | 979.23 | 1166.01 | 1160.35 | 1067.47 | 1001.30 | 868.82 | 839.28 | 823.64 | 790.68 | 769.48 | 795.03 |
| Western Europe | 560.79 | 1046.00 | 1263.84 | 1384.17 | 1415.61 | 1404.05 | 1406.90 | 1417.11 | 1444.11 | 1491.58 | 1486.68 | 1513.71 | 1519.81 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | 384.07 | 456.35 | 467.49 | 479.48 | 486.53 | 513.74 | 521.11 | 544.79 | 562.63 | 586.02 | 588.98 |
| Caribbean | --- | --- | 30.72 | 33.15 | 30.49 | 29.88 | 29.29 | 30.17 | 30.79 | 33.20 | 32.60 | 34.20 | 35.07 |
| Meso-America | --- | --- | 111.99 | 139.19 | 145.00 | 148.94 | 149.04 | 154.24 | 151.32 | 155.55 | 161.34 | 168.90 | 170.40 |
| South America | --- | --- | 241.36 | 284.01 | 292.00 | 300.66 | 308.20 | 329.33 | 339.00 | 356.04 | 368.69 | 382.92 | 383.51 |
| NORTH AMERICA | 1098.36 | 1696.82 | 2004.65 | 2134.67 | 2147.28 | 2190.34 | 2242.30 | 2283.60 | 2317.92 | 2373.51 | 2416.20 | 2443.00 | 2511.76 |
| North America | 1098.36 | 1696.82 | 2004.65 | 2134.67 | 2147.28 | 2190.34 | 2242.30 | 2283.60 | 2317.92 | 2373.51 | 2416.20 | 2443.00 | 2511.76 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | 85.87 | 145.85 | 155.51 | 174.42 | 184.22 | 191.90 | 198.36 | 213.41 | 210.18 | 215.83 | 221.06 |
| Arabian Peninsula | --- | --- | 64.26 | 107.27 | 119.97 | 132.59 | 139.88 | 143.43 | 147.19 | 161.16 | 155.97 | 158.85 | 163.87 |
| Mashriq | --- | --- | 21.61 | 38.58 | 35.54 | 41.83 | 44.34 | 48.47 | 51.17 | 52.25 | 54.21 | 56.98 | 57.19 |
| GLOBAL TOTALS | --- | --- | 7109.08 | 8568.67 | 8675.56 | 8714.34 | 8823.31 | 8879.14 | 9102.19 | 9385.69 | 9462.83 | 9496.86 | 9639.30 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | --- | --- | 7153.83 | 8622.19 | 8730.07 | 8769.58 | 8879.35 | 8936.28 | 9160.67 | 9445.35 | 9523.79 | 9559.20 | 9702.79 |

Comments:

TPES is made up of indigenous production + imports - exports - international marine bunkers ± stock changes.

Indigenous production is the production of primary energy, i.e. hard coal, lignite, peat, crude oil, NGLs, natural gas, combustible renewables and waste, nuclear, hydro, geothermal, solar and the heat from heat pumps that is extracted from the ambient environment. Production is calculated after removal of impurities.

A toe (tonne of oil equivalent) is defined as 41.868 gigajoules or 10^7 kilocalories. One terawatt-hour = 0.086 Mtoe.

1.1.4 Health

Crude Birth Rate (Projection)

Units: births per thousand people

Data Source: World Population Prospects: The 2000 Revision

Data Provider: United Nations Population Division/Department of Economic and Social Affairs

Years: 1950-1955, 1955-1960, ..., 2045-2050

| | 1950-55 | 1970-75 | 1990-95 | 1995-00 | 2000-05 | 2020-25 | 2025-30 | 2030-35 | 2035-40 | 2040-45 | 2045-50 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| AFRICA | 48.98 | 46.45 | 40.26 | 38.71 | 37.35 | 29.50 | 27.34 | 25.14 | 23.29 | 21.61 | 19.81 |
| Central Africa | 45.70 | 46.71 | 46.18 | 45.22 | 44.65 | 36.42 | 33.65 | 30.57 | 27.38 | 24.18 | 20.75 |
| Eastern Africa | 51.21 | 49.16 | 44.95 | 43.70 | 43.11 | 34.57 | 32.51 | 30.42 | 28.20 | 25.58 | 22.85 |
| Northern Africa | 48.72 | 42.91 | 30.23 | 27.57 | 25.31 | 18.05 | 16.79 | 15.77 | 15.14 | 14.63 | 14.20 |
| Southern Africa | 47.12 | 45.13 | 39.27 | 38.08 | 36.15 | 29.18 | 27.14 | 24.95 | 23.02 | 21.46 | 19.90 |
| Western Africa | 50.19 | 48.94 | 43.93 | 42.24 | 40.83 | 30.62 | 27.64 | 24.70 | 22.78 | 21.60 | 20.16 |
| Western Indian Ocean | 50.09 | 43.51 | 41.61 | 41.08 | 38.88 | 30.80 | 28.26 | 25.48 | 22.61 | 19.66 | 18.13 |
| ASIA AND PACIFIC | 42.71 | 33.53 | 24.28 | 21.95 | 20.12 | 15.74 | 14.87 | 14.21 | 13.74 | 13.39 | 13.05 |
| Australia and New Zealand | 23.52 | 19.78 | 15.12 | 13.69 | 12.87 | 11.90 | 11.73 | 11.58 | 11.58 | 11.71 | 11.92 |
| Central Asia | 38.46 | 31.66 | 27.45 | 22.87 | 19.92 | 16.31 | 15.13 | 14.57 | 14.26 | 13.85 | 13.36 |
| North West Pacific and East Asia | 40.76 | 27.72 | 17.49 | 15.61 | 13.88 | 11.67 | 11.03 | 10.90 | 10.95 | 10.81 | 10.50 |
| South Asia | 45.55 | 39.69 | 30.92 | 28.09 | 26.03 | 18.90 | 17.73 | 16.59 | 15.63 | 15.08 | 14.62 |
| South East Asia | 43.90 | 38.18 | 26.83 | 23.81 | 21.43 | 16.59 | 15.60 | 14.79 | 14.26 | 13.90 | 13.62 |
| South Pacific | 43.43 | 39.82 | 35.28 | 32.30 | 30.49 | 23.88 | 22.00 | 20.07 | 18.05 | 16.19 | 16.00 |
| EUROPE | 22.77 | 17.00 | 12.75 | 11.27 | 10.44 | 9.61 | 9.40 | 9.30 | 9.40 | 9.60 | 9.71 |
| Central Europe | 30.27 | 22.83 | 16.80 | 14.82 | 13.44 | 12.03 | 11.58 | 11.34 | 11.41 | 11.63 | 11.68 |
| Eastern Europe | 26.36 | 15.94 | 11.47 | 9.23 | 8.77 | 8.23 | 7.83 | 7.93 | 8.38 | 8.75 | 8.74 |
| Western Europe | 18.01 | 15.10 | 11.53 | 10.73 | 9.90 | 9.03 | 9.00 | 8.86 | 8.77 | 8.86 | 9.03 |
| LATIN AMERICA AND CARIBBEAN | 41.95 | 35.37 | 25.13 | 23.10 | 21.44 | 16.50 | 15.70 | 15.02 | 14.49 | 14.06 | 13.70 |
| Caribbean | 37.45 | 31.34 | 22.68 | 20.80 | 19.71 | 15.96 | 15.02 | 14.37 | 13.86 | 13.42 | 13.16 |
| Meso-America | 46.40 | 43.08 | 28.81 | 26.47 | 24.07 | 17.46 | 16.45 | 15.55 | 14.83 | 14.29 | 13.82 |
| South America | 41.16 | 33.14 | 24.00 | 22.05 | 20.60 | 16.16 | 15.47 | 14.87 | 14.41 | 14.03 | 13.71 |
| NORTH AMERICA | 24.57 | 15.71 | 15.46 | 14.22 | 12.88 | 12.51 | 12.34 | 12.25 | 12.26 | 12.36 | 12.47 |
| North America | 24.57 | 15.71 | 15.46 | 14.22 | 12.88 | 12.51 | 12.34 | 12.25 | 12.26 | 12.36 | 12.47 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | 48.60 | 47.07 | 38.18 | 36.09 | 34.71 | 26.91 | 25.02 | 23.62 | 22.43 | 20.92 | 19.66 |
| Arabian Peninsula | 50.60 | 49.32 | 40.55 | 38.98 | 37.85 | 32.15 | 30.35 | 28.39 | 26.28 | 24.05 | 22.52 |
| Mashriq | 47.17 | 45.54 | 36.06 | 33.49 | 31.75 | 21.03 | 18.66 | 17.57 | 17.26 | 16.50 | 15.41 |
| GLOBAL TOTALS | 37.51 | 30.88 | 24.29 | 22.49 | 21.14 | 17.56 | 16.71 | 15.99 | 15.43 | 14.96 | 14.44 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 37.54 | 30.91 | 24.32 | 22.53 | 21.18 | 17.58 | 16.74 | 16.01 | 15.45 | 14.97 | 14.44 |

Crude Death Rate (Projection)

Units: deaths per thousand people

Data Source: World Population Prospects: The 2000 Revision

Data Provider: United Nations Population Division/Department of Economic and Social Affairs

Years: 1950-1955, 1955-1960, ..., 2045-2050

| | 1950-55 | 1970-75 | 1990-95 | 1995-00 | 2000-05 | 2020-25 | 2025-30 | 2030-35 | 2035-40 | 2040-45 | 2045-50 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| AFRICA | 26.83 | 19.11 | 14.31 | 14.05 | 13.88 | 9.72 | 8.84 | 8.18 | 7.68 | 7.36 | 7.15 |
| Central Africa | 26.95 | 19.97 | 15.38 | 15.62 | 14.51 | 8.92 | 7.71 | 6.85 | 6.15 | 5.81 | 5.65 |
| Eastern Africa | 28.62 | 20.31 | 19.03 | 17.80 | 17.68 | 11.48 | 10.18 | 9.05 | 8.13 | 7.43 | 6.89 |
| Northern Africa | 24.50 | 16.52 | 8.36 | 7.46 | 6.83 | 6.12 | 6.29 | 6.66 | 7.14 | 7.63 | 8.18 |
| Southern Africa | 25.40 | 17.50 | 14.12 | 15.93 | 17.91 | 13.24 | 11.78 | 10.57 | 9.60 | 8.85 | 8.29 |
| Western Africa | 28.84 | 21.58 | 15.90 | 15.06 | 14.08 | 9.29 | 8.47 | 7.88 | 7.45 | 7.18 | 6.99 |
| Western Indian Ocean | 25.43 | 17.65 | 14.62 | 13.59 | 12.35 | 8.47 | 7.66 | 7.02 | 6.57 | 6.31 | 6.31 |
| ASIA AND PACIFIC | 23.78 | 11.23 | 8.52 | 7.98 | 7.69 | 7.72 | 8.08 | 8.53 | 9.06 | 9.66 | 10.23 |
| Australia and New Zealand | 9.37 | 8.51 | 7.09 | 7.17 | 7.43 | 8.74 | 9.28 | 9.90 | 10.49 | 10.92 | 11.14 |
| Central Asia | 14.60 | 9.39 | 7.74 | 7.59 | 7.19 | 6.84 | 7.00 | 7.35 | 7.86 | 8.45 | 9.00 |
| North West Pacific and East Asia | 23.11 | 6.42 | 7.11 | 7.02 | 7.09 | 8.62 | 9.39 | 10.26 | 11.14 | 12.16 | 13.03 |
| South Asia | 25.54 | 16.43 | 10.33 | 9.27 | 8.56 | 7.28 | 7.39 | 7.57 | 7.88 | 8.23 | 8.64 |
| South East Asia | 23.27 | 14.39 | 8.02 | 7.37 | 7.04 | 6.82 | 7.07 | 7.49 | 8.05 | 8.68 | 9.30 |
| South Pacific | 25.31 | 14.63 | 10.05 | 8.95 | 8.18 | 6.42 | 6.17 | 6.12 | 6.27 | 6.50 | 6.84 |
| EUROPE | 11.28 | 10.11 | 10.78 | 10.97 | 11.21 | 11.89 | 12.32 | 12.88 | 13.54 | 14.19 | 14.75 |
| Central Europe | 13.94 | 10.14 | 9.74 | 9.46 | 9.41 | 10.03 | 10.38 | 10.89 | 11.49 | 12.08 | 12.60 |
| Eastern Europe | 10.11 | 9.02 | 12.90 | 13.80 | 14.64 | 14.08 | 14.36 | 14.85 | 15.54 | 16.23 | 16.90 |
| Western Europe | 10.88 | 10.73 | 10.01 | 10.06 | 10.17 | 11.77 | 12.34 | 13.00 | 13.71 | 14.41 | 15.00 |
| LATIN AMERICA AND CARIBBEAN | 15.62 | 9.87 | 6.74 | 6.48 | 6.46 | 6.83 | 7.21 | 7.71 | 8.24 | 8.80 | 9.30 |
| Caribbean | 15.46 | 9.47 | 8.24 | 8.17 | 8.23 | 8.96 | 9.27 | 9.65 | 10.06 | 10.68 | 11.16 |
| Meso-America | 17.81 | 10.03 | 5.58 | 5.36 | 5.30 | 5.83 | 6.20 | 6.68 | 7.25 | 7.86 | 8.57 |
| South America | 14.93 | 9.87 | 7.01 | 6.73 | 6.73 | 7.02 | 7.42 | 7.94 | 8.47 | 9.01 | 9.42 |
| NORTH AMERICA | 9.41 | 9.04 | 8.80 | 8.39 | 8.31 | 8.59 | 9.13 | 9.74 | 10.33 | 10.75 | 10.92 |
| North America | 9.41 | 9.04 | 8.80 | 8.39 | 8.31 | 8.59 | 9.13 | 9.74 | 10.33 | 10.75 | 10.92 |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | 24.74 | 15.28 | 7.63 | 6.69 | 5.58 | 4.27 | 4.26 | 4.35 | 4.47 | 4.64 | 4.86 |
| Arabian Peninsula | 28.74 | 18.31 | 7.37 | 6.36 | 5.69 | 4.28 | 4.15 | 4.08 | 4.02 | 4.02 | 4.06 |
| Mashriq | 21.88 | 13.21 | 7.86 | 6.99 | 5.47 | 4.26 | 4.39 | 4.69 | 5.08 | 5.52 | 6.04 |
| GLOBAL TOTALS | 19.70 | 11.59 | 9.40 | 9.05 | 8.88 | 8.37 | 8.51 | 8.75 | 9.05 | 9.41 | 9.73 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 19.70 | 11.59 | 9.41 | 9.05 | 8.88 | 8.36 | 8.51 | 8.75 | 9.05 | 9.40 | 9.72 |

Comments:

Assumptions about the future paths of fertility and mortality:

Medium-fertility assumptions.

General-mortality assumption.

Fertility (Projection)

Units: number of children per woman

Data Source: World Population Prospects: The 2000 Revision

Data Provider: United Nations Population Division/Department of Economic and Social Affairs

Years: 1950-1955, 1955-1960, ..., 2045-2050

| | 1950-55 | 1970-75 | 1990-95 | 1995-00 | 2000-05 | 2020-25 | 2025-30 | 2030-35 | 2035-40 | 2040-45 | 2045-50 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| AFRICA | 6.72 | 6.69 | 5.67 | 5.36 | 5.08 | 3.71 | 3.38 | 3.06 | 2.81 | 2.59 | 2.38 |
| Central Africa | 5.82 | 6.27 | 6.41 | 6.30 | 6.22 | 4.56 | 4.09 | 3.62 | 3.17 | 2.74 | 2.32 |
| Eastern Africa | 7.15 | 7.20 | 6.55 | 6.32 | 6.20 | 4.62 | 4.23 | 3.86 | 3.48 | 3.09 | 2.72 |
| Northern Africa | 6.80 | 6.36 | 4.09 | 3.59 | 3.15 | 2.23 | 2.14 | 2.10 | 2.10 | 2.10 | 2.10 |
| Southern Africa | 6.51 | 6.42 | 5.32 | 5.09 | 4.78 | 3.50 | 3.21 | 2.92 | 2.69 | 2.51 | 2.34 |
| Western Africa | 6.85 | 7.04 | 6.36 | 5.96 | 5.59 | 3.80 | 3.34 | 2.92 | 2.65 | 2.50 | 2.37 |
| Western Indian Ocean | 6.76 | 6.15 | 5.74 | 5.65 | 5.29 | 3.81 | 3.43 | 3.04 | 2.66 | 2.28 | 2.09 |
| ASIA AND PACIFIC | 5.87 | 5.07 | 2.96 | 2.69 | 2.52 | 2.12 | 2.09 | 2.06 | 2.04 | 2.04 | 2.04 |
| Australia and New Zealand | 3.28 | 2.59 | 1.90 | 1.80 | 1.79 | 1.85 | 1.88 | 1.92 | 1.96 | 1.99 | 2.03 |
| Central Asia | 5.23 | 5.10 | 3.34 | 2.78 | 2.34 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 |
| North West Pacific and East Asia | 5.73 | 4.53 | 1.88 | 1.76 | 1.76 | 1.87 | 1.88 | 1.89 | 1.89 | 1.90 | 1.90 |
| South Asia | 6.12 | 5.64 | 4.04 | 3.63 | 3.31 | 2.35 | 2.26 | 2.18 | 2.14 | 2.13 | 2.12 |
| South East Asia | 5.97 | 5.55 | 3.27 | 2.85 | 2.53 | 2.10 | 2.09 | 2.08 | 2.08 | 2.08 | 2.08 |
| South Pacific | 6.30 | 5.74 | 4.70 | 4.35 | 4.10 | 3.07 | 2.82 | 2.58 | 2.33 | 2.10 | 2.10 |
| EUROPE | 2.83 | 2.35 | 1.71 | 1.51 | 1.42 | 1.57 | 1.64 | 1.70 | 1.76 | 1.82 | 1.85 |
| Central Europe | 3.85 | 3.03 | 2.17 | 1.85 | 1.66 | 1.78 | 1.84 | 1.91 | 1.97 | 2.02 | 2.04 |
| Eastern Europe | 2.90 | 2.17 | 1.60 | 1.28 | 1.16 | 1.38 | 1.47 | 1.56 | 1.65 | 1.73 | 1.76 |
| Western Europe | 2.41 | 2.16 | 1.55 | 1.48 | 1.45 | 1.56 | 1.61 | 1.66 | 1.71 | 1.76 | 1.78 |
| LATIN AMERICA AND CARIBBEAN | 5.94 | 5.07 | 2.99 | 2.72 | 2.52 | 2.16 | 2.13 | 2.11 | 2.10 | 2.09 | 2.10 |
| Caribbean | 5.24 | 4.40 | 2.79 | 2.59 | 2.46 | 2.17 | 2.12 | 2.08 | 2.05 | 2.02 | 2.02 |
| Meso-America | 6.87 | 6.43 | 3.45 | 3.08 | 2.79 | 2.20 | 2.15 | 2.11 | 2.10 | 2.10 | 2.10 |
| South America | 5.74 | 4.67 | 2.84 | 2.59 | 2.42 | 2.14 | 2.12 | 2.11 | 2.10 | 2.10 | 2.10 |
| NORTH AMERICA | 3.47 | 2.01 | 2.02 | 2.00 | 1.90 | 1.93 | 1.98 | 2.03 | 2.06 | 2.07 | 2.08 |
| North America | 3.47 | 2.01 | 2.02 | 2.00 | 1.90 | 1.93 | 1.98 | 2.03 | 2.06 | 2.07 | 2.08 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | 7.16 | 7.21 | 5.85 | 5.42 | 5.11 | 3.66 | 3.34 | 3.09 | 2.89 | 2.67 | 2.51 |
| Arabian Peninsula | 7.39 | 7.36 | 6.58 | 6.30 | 6.02 | 4.52 | 4.16 | 3.80 | 3.43 | 3.06 | 2.80 |
| Mashriq | 7.00 | 7.12 | 5.21 | 4.63 | 4.25 | 2.70 | 2.36 | 2.19 | 2.16 | 2.13 | 2.09 |
| GLOBAL TOTALS | 5.11 | 4.55 | 3.09 | 2.87 | 2.73 | 2.36 | 2.30 | 2.24 | 2.19 | 2.16 | 2.12 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 5.01 | 4.48 | 3.01 | 2.82 | 2.68 | 2.39 | 2.34 | 2.28 | 2.24 | 2.20 | 2.15 |

Comments:

Fertility assumptions are described in terms of the following groups of countries:

High-fertility countries: countries that until 2000 have had no fertility reduction or only an incipient decline; fertility in high-fertility countries is generally assumed to decline at an average pace of nearly one child per decade starting in 2005 or later. Consequently, some of these countries do not reach replacement level by 2050.

Medium-fertility countries: countries where fertility has been declining but whose level is still above replacement level (2.1 children per woman); Fertility in medium-fertility countries is assumed to reach replacement level before 2050.

Low-fertility countries: countries with fertility at or below replacement level (2.1 children per woman) plus a few with levels very close to replacement levels that are expected to fall below replacement level in the near future. Fertility in low-fertility countries is generally assumed to remain below replacement level during most of the projection period. It will be reaching by 2045-2050 the fertility of the cohort of women born in the early 1960s or, if that information is lacking, reaching 1.7 children per woman if current fertility is below 1.5 children per woman or 1.9 children per woman if current fertility is equal to or higher than 1.5 children per woman.

Infant Mortality Rate

Units: deaths per thousand people

Data Source: World Population Prospects: The 2000 Revision

Data Provider: United Nations Population Division/Department of Economic and Social Affairs

Years: 1950-1955, 1955-1960, ..., 2045-2050

| | 1950-55 | 1970-75 | 1990-95 | 1995-00 | 2000-05 | 2020-25 | 2025-30 | 2030-35 | 2035-40 | 2040-45 | 2045-50 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| AFRICA | 181.13 | 134.73 | 97.81 | 91.20 | 83.02 | 52.33 | 45.60 | 39.60 | 34.22 | 29.93 | 26.16 |
| Central Africa | 177.73 | 130.96 | 96.55 | 93.16 | 81.88 | 48.91 | 41.21 | 35.20 | 29.57 | 26.22 | 23.23 |
| Eastern Africa | 186.64 | 135.38 | 114.86 | 105.00 | 96.78 | 60.66 | 52.51 | 44.77 | 38.36 | 33.24 | 28.78 |
| Northern Africa | 188.06 | 137.03 | 67.19 | 57.65 | 49.00 | 26.19 | 22.12 | 19.11 | 16.78 | 14.89 | 13.50 |
| Southern Africa | 154.96 | 120.45 | 96.36 | 94.90 | 88.55 | 58.60 | 51.77 | 45.53 | 39.73 | 34.44 | 29.87 |
| Western Africa | 190.60 | 143.91 | 104.93 | 96.02 | 86.62 | 53.78 | 47.39 | 41.75 | 36.52 | 32.10 | 28.07 |
| Western Indian Ocean | 171.79 | 124.42 | 102.27 | 95.37 | 87.34 | 57.07 | 49.23 | 42.11 | 35.68 | 30.25 | 26.34 |
| ASIA AND PACIFIC | 181.45 | 98.40 | 65.29 | 59.79 | 53.87 | 33.28 | 30.34 | 26.97 | 24.47 | 22.19 | 20.41 |
| Australia and New Zealand | 24.16 | 16.50 | 6.77 | 5.61 | 5.35 | 4.53 | 4.36 | 4.18 | 4.00 | 3.83 | 3.67 |
| Central Asia | 100.68 | 65.68 | 45.88 | 45.50 | 41.27 | 27.99 | 24.98 | 22.25 | 19.94 | 17.97 | 16.10 |
| North West Pacific and East Asia | 181.54 | 56.44 | 43.26 | 38.56 | 33.90 | 20.80 | 18.61 | 16.56 | 14.69 | 13.56 | 12.46 |
| South Asia | 190.61 | 134.96 | 83.67 | 77.12 | 69.39 | 43.74 | 40.15 | 35.84 | 32.94 | 29.70 | 27.20 |
| South East Asia | 167.91 | 108.33 | 55.20 | 47.33 | 40.45 | 21.65 | 18.74 | 16.45 | 14.65 | 13.21 | 12.10 |
| South Pacific | 141.56 | 95.10 | 62.77 | 55.28 | 49.77 | 30.55 | 25.91 | 22.39 | 19.79 | 17.51 | 15.71 |
| EUROPE | 85.54 | 38.20 | 19.04 | 16.00 | 14.40 | 9.41 | 8.43 | 7.70 | 7.04 | 6.51 | 6.11 |
| Central Europe | 137.18 | 75.23 | 34.93 | 30.46 | 26.18 | 15.14 | 13.22 | 11.72 | 10.30 | 9.27 | 8.67 |
| Eastern Europe | 91.31 | 27.15 | 20.68 | 17.35 | 17.05 | 11.80 | 10.73 | 9.73 | 8.83 | 8.08 | 7.49 |
| Western Europe | 47.69 | 20.64 | 6.70 | 5.46 | 5.08 | 4.28 | 4.15 | 4.03 | 3.90 | 3.77 | 3.64 |
| LATIN AMERICA AND CARIBBEAN | 126.24 | 80.80 | 40.07 | 35.62 | 32.01 | 19.49 | 17.06 | 14.84 | 12.89 | 11.21 | 9.85 |
| Caribbean | 124.49 | 76.46 | 40.77 | 37.91 | 35.07 | 22.98 | 20.14 | 17.81 | 15.33 | 13.10 | 11.15 |
| Meso-America | 127.17 | 75.17 | 36.73 | 32.87 | 29.74 | 19.44 | 17.47 | 15.73 | 14.23 | 12.89 | 11.73 |
| South America | 126.13 | 83.93 | 41.52 | 36.67 | 32.74 | 19.17 | 16.59 | 14.18 | 12.10 | 10.35 | 8.96 |
| NORTH AMERICA | 28.55 | 17.94 | 8.35 | 7.44 | 6.72 | 5.17 | 5.02 | 4.86 | 4.71 | 4.56 | 4.41 |
| North America | 28.55 | 17.94 | 8.35 | 7.44 | 6.72 | 5.17 | 5.02 | 4.86 | 4.71 | 4.56 | 4.41 |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | 183.52 | 109.48 | 68.88 | 53.62 | 41.83 | 20.13 | 17.46 | 15.17 | 13.32 | 11.88 | 10.58 |
| Arabian Peninsula | 221.56 | 138.77 | 58.78 | 49.23 | 41.69 | 21.79 | 18.96 | 16.48 | 14.53 | 13.01 | 11.64 |
| Mashriq | 154.51 | 87.65 | 79.04 | 58.26 | 41.98 | 17.26 | 14.53 | 12.46 | 10.82 | 9.53 | 8.28 |
| GLOBAL TOTALS | 157.30 | 93.69 | 64.19 | 59.65 | 54.55 | 34.71 | 31.06 | 27.34 | 24.24 | 21.60 | 19.36 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 157.24 | 93.65 | 64.17 | 59.63 | 54.53 | 34.69 | 31.04 | 27.32 | 24.22 | 21.59 | 19.35 |

Life Expectancy

Units: years

Data Source: World Population Prospects: The 2000 Revision

Data Provider: United Nations Population Division/Department of Economic and Social Affairs

Years: 1950-1955, 1955-1960, ..., 2045-2050

| | 1950-55 | 1970-75 | 1990-95 | 1995-00 | 2000-05 | 2020-25 | 2025-30 | 2030-35 | 2035-40 | 2040-45 | 2045-50 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| AFRICA | 38.17 | 46.75 | 52.64 | 52.47 | 52.61 | 60.46 | 62.63 | 64.61 | 66.48 | 68.10 | 69.61 |
| Central Africa | 37.36 | 45.02 | 50.75 | 49.67 | 50.83 | 60.09 | 62.77 | 64.96 | 67.10 | 68.61 | 69.92 |
| Eastern Africa | 36.10 | 44.50 | 45.80 | 45.65 | 45.36 | 55.03 | 57.73 | 60.38 | 62.84 | 64.99 | 66.99 |
| Northern Africa | 41.92 | 51.40 | 62.98 | 65.08 | 66.86 | 72.32 | 73.50 | 74.53 | 75.45 | 76.30 | 77.01 |
| Southern Africa | 39.21 | 48.21 | 51.98 | 48.58 | 45.33 | 53.80 | 56.69 | 59.34 | 61.78 | 64.03 | 66.16 |
| Western Africa | 35.67 | 43.59 | 49.66 | 50.35 | 51.56 | 60.20 | 62.33 | 64.21 | 66.02 | 67.63 | 69.18 |
| Western Indian Ocean | 39.00 | 47.79 | 52.52 | 54.07 | 55.83 | 62.93 | 65.02 | 67.00 | 68.85 | 70.48 | 71.75 |
| ASIA AND PACIFIC | 42.18 | 57.33 | 64.73 | 66.32 | 67.82 | 72.91 | 73.85 | 74.77 | 75.59 | 76.30 | 76.94 |
| Australia and New Zealand | 69.57 | 71.69 | 77.35 | 78.43 | 78.96 | 80.80 | 81.22 | 81.63 | 82.04 | 82.44 | 82.85 |
| Central Asia | 56.05 | 63.85 | 66.60 | 66.60 | 67.88 | 72.84 | 73.94 | 74.98 | 75.91 | 76.74 | 77.56 |
| North West Pacific and East Asia | 43.96 | 64.20 | 69.49 | 70.79 | 72.09 | 76.28 | 77.07 | 77.85 | 78.62 | 79.12 | 79.60 |
| South Asia | 38.97 | 49.75 | 59.46 | 61.60 | 63.53 | 69.95 | 71.09 | 72.22 | 73.16 | 74.09 | 74.91 |
| South East Asia | 41.25 | 52.21 | 63.80 | 65.67 | 67.29 | 72.94 | 74.04 | 75.01 | 75.86 | 76.62 | 77.28 |
| South Pacific | 39.37 | 49.78 | 58.08 | 60.01 | 61.78 | 68.43 | 70.17 | 71.58 | 72.71 | 73.74 | 74.66 |
| EUROPE | 64.79 | 70.27 | 72.48 | 73.14 | 73.82 | 77.53 | 78.23 | 78.91 | 79.54 | 80.12 | 80.64 |
| Central Europe | 58.66 | 66.92 | 69.86 | 71.03 | 72.06 | 75.80 | 76.58 | 77.29 | 77.94 | 78.50 | 78.99 |
| Eastern Europe | 64.81 | 69.78 | 67.37 | 67.11 | 67.11 | 72.71 | 73.76 | 74.78 | 75.74 | 76.59 | 77.29 |
| Western Europe | 67.13 | 71.98 | 76.84 | 77.71 | 78.49 | 80.88 | 81.32 | 81.77 | 82.21 | 82.65 | 83.10 |
| LATIN AMERICA AND CARIBBEAN | 52.03 | 61.22 | 68.31 | 69.49 | 70.53 | 74.39 | 75.13 | 75.84 | 76.53 | 77.18 | 77.82 |
| Caribbean | 53.60 | 64.25 | 68.01 | 68.51 | 68.94 | 71.54 | 72.29 | 73.14 | 74.00 | 74.74 | 75.52 |
| Meso-America | 49.35 | 61.15 | 70.00 | 71.04 | 71.88 | 75.22 | 75.94 | 76.57 | 77.17 | 77.77 | 78.27 |
| South America | 52.67 | 60.86 | 67.70 | 69.00 | 70.18 | 74.35 | 75.09 | 75.80 | 76.51 | 77.16 | 77.85 |
| NORTH AMERICA | 68.89 | 71.67 | 75.86 | 76.72 | 77.66 | 80.69 | 81.08 | 81.47 | 81.87 | 82.26 | 82.66 |
| North America | 68.89 | 71.67 | 75.86 | 76.72 | 77.66 | 80.69 | 81.08 | 81.47 | 81.87 | 82.26 | 82.66 |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | 41.92 | 54.56 | 64.30 | 66.03 | 68.62 | 73.94 | 74.84 | 75.60 | 76.36 | 77.05 | 77.69 |
| Arabian Peninsula | 36.26 | 49.70 | 64.70 | 66.87 | 68.43 | 73.37 | 74.28 | 75.07 | 75.85 | 76.56 | 77.21 |
| Mashriq | 45.96 | 57.87 | 63.95 | 65.27 | 68.79 | 74.58 | 75.50 | 76.27 | 77.03 | 77.74 | 78.40 |
| GLOBAL TOTALS | 49.41 | 59.85 | 65.30 | 66.32 | 67.34 | 71.92 | 72.89 | 73.84 | 74.73 | 75.52 | 76.26 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 46.52 | 58.03 | 63.94 | 64.98 | 65.99 | 71.26 | 72.35 | 73.42 | 74.40 | 75.25 | 76.04 |

Mortality due to Respiratory Infections

Units: number of people

Data Source: WHO Mortality Data Bank (data as of February 2001)

Data Provider: World Health Organization (WHO)

Years: 1990-1999

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|
| AFRICA | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Australia and New Zealand | 2887 | 2953 | 3195 | 2738 | 3003 | 2965 | 3194 | 6067 | --- | --- |
| Central Asia | 33398 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | 172667 | 162581 | 167604 | 215495 | 207913 | 218226 | 212858 | 193838 | --- | --- |
| Central Europe | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Europe | 27935 | 28125 | 30150 | 39260 | 44478 | 45474 | 39725 | 35939 | 32429 | --- |
| Western Europe | 121792 | 112986 | 110314 | 148600 | 135980 | 144577 | 142573 | 135540 | --- | --- |
| LATIN AMERICA AND CARIBBEAN | 91725 | 80514 | 81296 | 87216 | 87639 | --- | --- | --- | --- | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | 27278 | 23890 | 22894 | 22853 | 22649 | 22276 | --- | --- | --- | --- |
| South America | 59606 | 51804 | 53111 | 59562 | 59935 | --- | --- | --- | --- | --- |
| NORTH AMERICA | 87249 | 85701 | 83363 | 90950 | 89733 | 91152 | 92034 | 95276 | --- | --- |
| North America | 87249 | 85701 | 83363 | 90950 | 89733 | 91152 | 92034 | 95276 | --- | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Mortality due to respiratory infections: effects are generally irritation and reduced lung function with increased incidence of respiratory disease, especially in more susceptible members of the population such as young children, the elderly and asthmatics. Pollutants of concern include sulphur and nitrogen oxides, photochemical oxidants (for example ozone), particulates and mixtures of pollutants.

For more information see: <http://www.who.int/whr/2001/archives/2000/en/statistics.htm>.

Rural Population Water Comfort

The Assessment 2000 did not provide standardized definitions of urban and rural, as none could be found that would be consistent with the range of definitions adopted locally.

Units: percent

Data Source: Global Water Supply and Sanitation Assessment 2000 Report

Data Provider: World Health Organization
and United Nations Children's Fund Joint Monitoring Programme for Water Supply and Sanitation (JMP)

Years: 1990, 2000

Rural Population with Access to Improved Sanitation

| | 1990 | 2000 |
|---|--------------|--------------|
| AFRICA | 51.33 | 45.80 |
| Central Africa | ---- | 19.30 |
| Eastern Africa | 43.04 | 33.91 |
| Northern Africa | 60.41 | 66.59 |
| Southern Africa | ---- | 63.24 |
| Western Africa | 42.64 | 42.07 |
| Western Indian Ocean | 32.37 | 36.38 |
| ASIA AND PACIFIC | 22.17 | 30.30 |
| Australia and New Zealand | 100.00 | 100.00 |
| Central Asia | ---- | 99.46 |
| North West Pacific and East Asia | 18.00 | 24.54 |
| South Asia | 13.69 | 22.35 |
| South East Asia | 56.44 | 62.20 |
| South Pacific | ---- | 71.65 |
| EUROPE | ---- | ---- |
| Central Europe | ---- | ---- |
| Eastern Europe | ---- | ---- |
| Western Europe | ---- | ---- |
| LATIN AMERICA AND CARIBBEAN | 38.93 | 48.70 |
| Caribbean | ---- | 50.71 |
| Meso-America | 36.33 | 50.36 |
| South America | 41.85 | 47.24 |
| NORTH AMERICA | 99.91 | 99.90 |
| North America | 99.91 | 99.90 |
| POLAR | ---- | ---- |
| Antarctic | ---- | ---- |
| Arctic | ---- | ---- |
| WEST ASIA | ---- | 52.74 |
| Arabian Peninsula | ---- | 43.43 |
| Mashriq | ---- | 64.06 |
| GLOBAL TOTALS | 34.28 | 38.53 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 35.00 | 38.00 |

Comments:

The access to sanitation is defined in terms of the types of technology and levels of service afforded. This includes connection to a public sewer, connection to septic system, pour-flush latrine, simple pit latrine, ventilated improved pit latrine allowance was also made for other locally-defined technologies.

Access to sanitation, does not imply that the level of service is "adequate" or "safe"; these terms were replaced with "improved".

Rural Population with Access to Water Supply

| | 1990 | 2000 |
|---|--------------|--------------|
| AFRICA | 43.84 | 48.68 |
| Central Africa | ---- | 29.13 |
| Eastern Africa | 24.20 | 28.68 |
| Northern Africa | 74.39 | 81.23 |
| Southern Africa | ---- | 55.83 |
| Western Africa | 40.00 | 48.80 |
| Western Indian Ocean | 37.25 | 37.23 |
| ASIA AND PACIFIC | 66.09 | 74.63 |
| Australia and New Zealand | 100.00 | 100.00 |
| Central Asia | ---- | 77.57 |
| North West Pacific and East Asia | 60.00 | 66.35 |
| South Asia | 74.85 | 85.51 |
| South East Asia | 59.40 | 64.76 |
| South Pacific | ---- | 41.87 |
| EUROPE | ---- | ---- |
| Central Europe | ---- | ---- |
| Eastern Europe | ---- | 96.56 |
| Western Europe | ---- | ---- |
| LATIN AMERICA AND CARIBBEAN | 55.62 | 61.76 |
| Caribbean | ---- | 61.72 |
| Meso-America | 62.12 | 70.15 |
| South America | 52.69 | 56.44 |
| NORTH AMERICA | 99.91 | 99.90 |
| North America | 99.91 | 99.90 |
| POLAR | ---- | ---- |
| Antarctic | ---- | ---- |
| Arctic | ---- | ---- |
| WEST ASIA | ---- | 62.08 |
| Arabian Peninsula | ---- | 63.19 |
| Mashriq | ---- | 60.73 |
| GLOBAL TOTALS | 65.26 | 71.52 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 66.00 | 71.00 |

Comments:

The access to water supply is defined in terms of the types of technology and levels of service afforded. This included house connections, public standpipes, boreholes with hand-pumps, protected dug wells, protected springs and rain-water collection; allowance was also made for other locally-defined technologies. "Reasonable access" was broadly defined as the availability of at least 20 litters per person per day from a source within one kilometre of the user's dwelling.

Access to water, does not imply that the level of service or quality of water is "adequate" or "safe"; these terms were replaced with "improved".

Total Population Water Comfort

The Assessment 2000 did not provide standardized definitions of urban and rural, as none could be found that would be consistent with the range of definitions adopted locally.

Units: percent

Data Source: Global Water Supply and Sanitation Assessment 2000 Report

Data Provider: World Health Organization
and United Nations Children's Fund Joint Monitoring Programme for Water Supply and Sanitation (JMP)

Years: 1990, 2000

Total Population with Access to Improved Sanitation

| | 1990 | 2000 |
|---|---------------|---------------|
| AFRICA | 62.09 | 60.66 |
| Central Africa | ---- | 35.16 |
| Eastern Africa | 48.40 | 42.67 |
| Northern Africa | 75.30 | 80.72 |
| Southern Africa | ---- | 74.67 |
| Western Africa | 53.24 | 57.64 |
| Western Indian Ocean | 43.41 | 47.93 |
| ASIA AND PACIFIC | 34.19 | 45.45 |
| Australia and New Zealand | 100.00 | 100.00 |
| Central Asia | ---- | 99.65 |
| North West Pacific and East Asia | 29.00 | 39.85 |
| South Asia | 27.68 | 38.96 |
| South East Asia | 63.81 | 70.34 |
| South Pacific | ---- | 75.37 |
| EUROPE | ---- | ---- |
| Central Europe | ---- | ---- |
| Eastern Europe | ---- | ---- |
| Western Europe | ---- | ---- |
| LATIN AMERICA AND CARIBBEAN | 70.68 | 77.66 |
| Caribbean | ---- | 70.81 |
| Meso-America | 70.01 | 76.16 |
| South America | 74.03 | 78.99 |
| NORTH AMERICA | 100.00 | 100.00 |
| North America | 100.00 | 100.00 |
| POLAR | ---- | ---- |
| Antarctic | ---- | ---- |
| Arctic | ---- | ---- |
| WEST ASIA | ---- | 80.88 |
| Arabian Peninsula | ---- | 75.03 |
| Mashriq | ---- | 86.28 |
| GLOBAL TOTALS | 54.07 | 60.31 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 55.00 | 60.00 |

Total Population with Access to Water Supply

| | 1990 | 2000 |
|---|---------------|---------------|
| AFRICA | 56.77 | 61.01 |
| Central Africa | ---- | 47.61 |
| Eastern Africa | 33.13 | 36.66 |
| Northern Africa | 82.56 | 87.93 |
| Southern Africa | ---- | 67.05 |
| Western Africa | 52.50 | 57.30 |
| Western Indian Ocean | 50.08 | 52.39 |
| ASIA AND PACIFIC | 74.21 | 80.67 |
| Australia and New Zealand | 100.00 | 100.00 |
| Central Asia | ---- | 86.25 |
| North West Pacific and East Asia | 71.00 | 75.97 |
| South Asia | 79.84 | 87.85 |
| South East Asia | 68.29 | 73.41 |
| South Pacific | ---- | 50.91 |
| EUROPE | ---- | ---- |
| Central Europe | ---- | ---- |
| Eastern Europe | ---- | 99.09 |
| Western Europe | ---- | ---- |
| LATIN AMERICA AND CARIBBEAN | 80.35 | 84.86 |
| Caribbean | ---- | 76.82 |
| Meso-America | 82.12 | 86.24 |
| South America | 81.70 | 85.21 |
| NORTH AMERICA | 100.00 | 100.00 |
| North America | 100.00 | 100.00 |
| POLAR | ---- | ---- |
| Antarctic | ---- | ---- |
| Arctic | ---- | ---- |
| WEST ASIA | ---- | 82.87 |
| Arabian Peninsula | ---- | 79.98 |
| Mashriq | ---- | 85.54 |
| GLOBAL TOTALS | 77.25 | 81.48 |
| REPORTED GLOBAL TALS FROM ORIGINAL DATA SOURCES | 79.00 | 81.00 |

Comments:

The access to sanitation is defined in terms of the types of technology and levels of service afforded. This includes connection to a public sewer, connection to septic system, pour-flush latrine, simple pit latrine, ventilated improved pit latrine allowance was also made for other locally-defined technologies.

Access to sanitation, does not imply that the level of service is "adequate" or "safe"; these terms were replaced with "improved".

Under-five Mortality Rate (Projection)

Units: deaths per thousand births

Data Source: World Population Prospects: The 2000 Revision

Data Provider: United Nations Population Division/Department of Economic and Social Affairs

Years: 1950-1955, 1955-1960, ..., 2045-2050

| | 1990-95 | 1995-00 | 2000-05 | 2005-10 | 2010-15 | 2015-20 | 2020-25 | 2025-30 | 2030-35 | 2035-40 | 2040-45 | 2045-50 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| AFRICA | 161.53 | 151.60 | 138.31 | 124.25 | 109.57 | 95.77 | 83.29 | 70.98 | 60.28 | 50.77 | 43.34 | 37.10 |
| Central Africa | 161.51 | 157.01 | 136.96 | 121.65 | 105.26 | 89.80 | 76.40 | 62.34 | 51.55 | 41.86 | 36.57 | 32.12 |
| Eastern Africa | 197.94 | 181.08 | 165.89 | 148.26 | 130.32 | 114.34 | 99.28 | 84.12 | 70.06 | 58.30 | 49.08 | 41.41 |
| Northern Africa | 93.79 | 78.46 | 65.45 | 55.31 | 47.56 | 39.78 | 33.25 | 27.18 | 22.84 | 19.53 | 16.96 | 15.19 |
| Southern Africa | 156.98 | 158.25 | 152.39 | 139.49 | 124.42 | 110.43 | 97.62 | 84.82 | 73.53 | 63.11 | 53.55 | 45.33 |
| Western Africa | 178.26 | 163.47 | 146.22 | 129.56 | 113.10 | 98.40 | 85.49 | 73.58 | 63.42 | 54.16 | 46.47 | 39.94 |
| Western Indian Ocean | 166.82 | 154.15 | 139.53 | 125.44 | 111.83 | 98.74 | 86.14 | 72.53 | 60.18 | 49.05 | 39.65 | 33.22 |
| ASIA AND PACIFIC | 90.43 | 81.02 | 71.83 | 62.51 | 53.79 | 47.84 | 42.49 | 38.04 | 33.53 | 29.88 | 26.93 | 24.39 |
| Australia and New Zealand | 8.26 | 6.95 | 6.71 | 6.42 | 6.17 | 5.94 | 5.74 | 5.55 | 5.35 | 5.13 | 4.93 | 4.74 |
| Central Asia | 62.41 | 62.20 | 56.14 | 50.01 | 44.86 | 40.46 | 36.72 | 32.45 | 28.64 | 25.47 | 22.81 | 20.31 |
| North West Pacific and East Asia | 51.08 | 44.86 | 38.73 | 33.93 | 29.90 | 26.43 | 23.15 | 20.60 | 18.24 | 16.12 | 14.85 | 13.60 |
| South Asia | 121.40 | 108.70 | 95.90 | 84.01 | 73.03 | 65.33 | 57.83 | 51.86 | 45.89 | 41.25 | 36.94 | 33.17 |
| South East Asia | 76.87 | 64.57 | 54.09 | 45.03 | 37.54 | 31.75 | 26.83 | 22.90 | 19.87 | 17.51 | 15.66 | 14.28 |
| South Pacific | 87.75 | 76.18 | 67.50 | 59.53 | 52.18 | 45.27 | 38.67 | 32.16 | 27.35 | 23.85 | 20.89 | 18.55 |
| EUROPE | 24.58 | 20.40 | 18.14 | 16.26 | 14.48 | 13.05 | 11.70 | 10.46 | 9.54 | 8.73 | 8.06 | 7.56 |
| Central Europe | 45.91 | 39.28 | 33.08 | 27.92 | 23.55 | 20.70 | 18.10 | 15.62 | 13.79 | 12.07 | 10.81 | 10.08 |
| Eastern Europe | 26.10 | 21.88 | 21.40 | 20.10 | 18.40 | 16.77 | 15.47 | 14.15 | 12.87 | 11.71 | 10.72 | 9.93 |
| Western Europe | 8.42 | 6.78 | 6.37 | 6.14 | 5.90 | 5.66 | 5.48 | 5.32 | 5.16 | 5.01 | 4.84 | 4.68 |
| LATIN AMERICA AND CARIBBEAN | 50.33 | 44.84 | 40.30 | 35.84 | 31.85 | 28.11 | 24.81 | 22.13 | 19.43 | 17.05 | 14.99 | 13.28 |
| Caribbean | 62.67 | 59.07 | 55.06 | 50.53 | 45.49 | 40.49 | 35.95 | 32.41 | 28.69 | 25.01 | 21.74 | 19.00 |
| Meso-America | 46.23 | 41.41 | 37.54 | 33.89 | 30.54 | 27.49 | 24.76 | 22.28 | 20.10 | 18.20 | 16.49 | 15.01 |
| South America | 50.91 | 44.97 | 40.07 | 35.22 | 31.05 | 27.14 | 23.74 | 21.08 | 18.28 | 15.84 | 13.76 | 12.05 |
| NORTH AMERICA | 10.11 | 8.96 | 8.12 | 7.33 | 6.96 | 6.58 | 6.29 | 6.11 | 5.93 | 5.75 | 5.57 | 5.38 |
| North America | 10.11 | 8.96 | 8.12 | 7.33 | 6.96 | 6.58 | 6.29 | 6.11 | 5.93 | 5.75 | 5.57 | 5.38 |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | 87.58 | 67.43 | 52.99 | 40.01 | 33.42 | 28.10 | 23.89 | 20.54 | 17.74 | 15.51 | 13.76 | 12.23 |
| Arabian Peninsula | 80.84 | 66.21 | 54.91 | 45.41 | 37.41 | 30.98 | 25.94 | 22.26 | 19.09 | 16.65 | 14.78 | 13.14 |
| Mashriq | 94.36 | 68.73 | 50.83 | 33.48 | 28.09 | 23.74 | 20.34 | 17.18 | 14.94 | 13.15 | 11.66 | 10.27 |
| GLOBAL TOTALS | 93.33 | 86.43 | 78.94 | 70.50 | 61.99 | 55.13 | 48.83 | 42.91 | 37.22 | 32.30 | 28.35 | 24.96 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 93.31 | 86.40 | 78.91 | 70.48 | 61.97 | 55.11 | 48.81 | 42.89 | 37.20 | 32.29 | 28.34 | 24.94 |

1.1.5 Infrastructure

Internet Hosts per 10000 People

Units: number of computers

Data Source: Internet Software Consortium (<http://www.isc.org>)

Data Provider: The World Bank

Years: 1994-1999

| | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|--------|--------|--------|--------|--------|---------|
| AFRICA | 0.41 | 0.72 | 1.47 | 1.71 | 2.00 | 1.99 |
| Central Africa | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.03 |
| Eastern Africa | 0.00 | 0.01 | 0.02 | 0.04 | 0.06 | 0.06 |
| Northern Africa | 0.01 | 0.06 | 0.16 | 0.18 | 0.16 | 0.16 |
| Southern Africa | 2.12 | 3.68 | 7.40 | 8.58 | 10.11 | 10.06 |
| Western Africa | 0.00 | 0.00 | 0.03 | 0.05 | 0.05 | 0.06 |
| Western Indian Ocean | 0.00 | 0.13 | 0.09 | 0.17 | 0.24 | 0.43 |
| ASIA AND PACIFIC | 0.98 | 2.13 | 4.54 | 6.30 | 7.76 | 10.85 |
| Australia and New Zealand | 89.70 | 167.27 | 272.21 | 387.15 | 411.51 | 478.39 |
| Central Asia | 0.00 | 0.04 | 0.20 | 0.27 | 0.40 | 0.87 |
| North West Pacific and East Asia | 0.82 | 2.12 | 5.82 | 7.82 | 10.77 | 16.57 |
| South Asia | 0.00 | 0.01 | 0.03 | 0.05 | 0.10 | 0.16 |
| South East Asia | 0.19 | 0.73 | 1.55 | 2.57 | 2.83 | 4.10 |
| South Pacific | 0.01 | 0.18 | 0.67 | 1.21 | 3.27 | 6.11 |
| EUROPE | 12.73 | 27.23 | 45.15 | 54.86 | 79.82 | 104.63 |
| Central Europe | 2.02 | 4.76 | 10.35 | 11.18 | 19.06 | 27.56 |
| Eastern Europe | 0.31 | 1.07 | 2.84 | 4.05 | 6.49 | 9.56 |
| Western Europe | 25.37 | 53.72 | 87.13 | 106.06 | 152.40 | 197.65 |
| LATIN AMERICA AND CARIBBEAN | 0.43 | 1.18 | 3.38 | 3.48 | 7.65 | 14.85 |
| Caribbean | 0.05 | 0.25 | 0.92 | 0.40 | 2.19 | 3.97 |
| Meso-America | 0.63 | 1.28 | 2.85 | 3.34 | 6.98 | 17.67 |
| South America | 0.40 | 1.25 | 3.86 | 3.87 | 8.52 | 14.95 |
| NORTH AMERICA | 115.95 | 218.65 | 360.00 | 415.46 | 897.90 | 1376.26 |
| North America | 115.95 | 218.65 | 360.00 | 415.46 | 897.90 | 1376.26 |
| POLAR | --- | --- | --- | --- | --- | 386.61 |
| Antarctic | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | 386.61 |
| WEST ASIA | 0.03 | 0.23 | 0.71 | 1.37 | 2.23 | 2.31 |
| Arabian Peninsula | 0.07 | 0.47 | 1.35 | ---- | 4.32 | 4.13 |
| Mashriq | 0.00 | 0.02 | 0.14 | 0.24 | 0.33 | 0.64 |
| GLOBAL TOTALS | 8.63 | 16.85 | 28.42 | 33.62 | 63.34 | 93.75 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 8.61 | 16.81 | 28.91 | 34.79 | 63.09 | 94.44 |

Comments:

Internet hosts are computers connected directly to the worldwide network, each allowing many computer users to access the Internet. Hosts are assigned to countries on the basis of the host's country code, though this does not necessarily indicate that the host is physically located in that country. All hosts lacking a country code identification are assigned to the United States. The Internet Software Consortium changed the methods used in its Internet domain survey beginning in July 1998. The new survey is believed to be more reliable and to avoid the undercounting that occurs when organizations restrict download access to their domain data. Nevertheless, some measurement problems remain, so the number of Internet hosts shown for each country should be considered an approximation. In particular, most hosts are now under generic top-level domains (for example, .com, .net, and .org), which, unlike country code top-level domains (.de, .uk), have never had a geographic designation. For detailed analysis of Internet trends by country, it is best to use the original source data.

Internet Users

Units: number of people

Data Source: International Telecommunication Union's (ITU) World Telecommunication Development Report 2000 and Challenges to the Network: Internet for Development (1999)

Data Provider: The World Bank

Years: 1990-1999

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|---------|---------|---------|----------|----------|----------|----------|-----------|-----------|-----------|
| AFRICA | ---- | ---- | ---- | ---- | ---- | ---- | 692325 | 953375 | 1682905 | 2664550 |
| Central Africa | ---- | ---- | ---- | ---- | ---- | ---- | 2200 | 5705 | 27000 | |
| Eastern Africa | ---- | ---- | ---- | ---- | ---- | 910 | 4800 | 16325 | 38000 | 76450 |
| Northern Africa | ---- | ---- | ---- | ---- | 4750 | 22500 | 44550 | 71700 | 154000 | 312000 |
| Southern Africa | ---- | ---- | ---- | ---- | ---- | ---- | 625116 | 817650 | 1310200 | 1939000 |
| Western Africa | ---- | ---- | ---- | ---- | ---- | ---- | 14550 | 37000 | 139800 | 241300 |
| Western Indian Ocean | ---- | ---- | ---- | ---- | ---- | ---- | 3100 | 8500 | 35200 | 68800 |
| ASIA AND PACIFIC | ---- | ---- | ---- | 1934044 | 3817250 | 8810959 | 18914946 | 30768676 | 64037500 | |
| Australia and New Zealand | ---- | 190000 | 320000 | 372500 | 515000 | 680000 | 900000 | 2150000 | 3600000 | 6700000 |
| Central Asia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 28500 | 91500 |
| North West Pacific and East Asia | ---- | 77000 | 213000 | 692000 | 1322150 | 2627350 | 6694455 | 14317600 | 23080400 | 49296000 |
| South Asia | ---- | ---- | ---- | ---- | 10750 | 253960 | 475575 | 804600 | 1603400 | 3133500 |
| South East Asia | ---- | ---- | ---- | ---- | ---- | ---- | 730100 | 1618700 | 2432500 | 4781500 |
| South Pacific | ---- | ---- | ---- | ---- | ---- | ---- | 4829 | 11546 | 23876 | 35000 |
| EUROPE | ---- | ---- | 2028850 | 4135446 | 7562410 | 13807200 | 25348000 | 44665200 | 74505000 | |
| Central Europe | ---- | ---- | 160250 | 435950 | 700150 | 1378000 | 2480300 | 4786200 | 7397000 | |
| Eastern Europe | ---- | ---- | 20400 | 87496 | 244910 | 458700 | 814700 | 1380500 | 3033000 | |
| Western Europe | ---- | 860300 | 1405600 | 1848200 | 3612000 | 6617350 | 11970500 | 22053000 | 38498500 | 64075000 |
| LATIN AMERICA AND CARIBBEAN | ---- | ---- | ---- | 215100 | 494676 | 1580482 | 2883130 | 5969470 | 9741600 | |
| Caribbean | ---- | ---- | ---- | ---- | 24756 | 69272 | 138640 | 275230 | 432600 | |
| Meso-America | ---- | 15036 | 47700 | 90300 | 159770 | 318710 | 716000 | 1563000 | 2174000 | |
| South America | ---- | 27550 | 66800 | 121900 | 310150 | 1192500 | 2028490 | 4131240 | 7135000 | |
| NORTH AMERICA | 3160000 | 4760000 | 5840000 | 9190000 | 21220000 | 32000000 | 44500000 | 67500000 | 85100000 | |
| North America | 3160000 | 4760000 | 5840000 | 9190000 | 21220000 | 32000000 | 44500000 | 67500000 | 85100000 | |
| POLAR | ---- | ---- | ---- | 36 | 30 | 1000 | ---- | ---- | ---- | |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | |
| Arctic | ---- | ---- | ---- | 36 | 30 | 1000 | ---- | ---- | ---- | |
| WEST ASIA | ---- | ---- | ---- | ---- | ---- | ---- | 256900 | 514800 | 1254000 | |
| Arabian Peninsula | ---- | ---- | ---- | ---- | ---- | 39770 | 179500 | 344000 | 914000 | |
| Mashriq | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | |
| GLOBAL TOTALS | ---- | ---- | ---- | 15812786 | 33595396 | 56938736 | 92856351 | 151101051 | 237302650 | |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 45000 | 4324650 | 6894796 | 9327200 | 15992786 | 33845396 | 57542336 | 94352280 | 154119984 | 241863648 |

Comments:

Internet users are people with access to the worldwide network.

Data on Internet users are based on reported estimates, derived from reported counts of Internet service provider (ISP) subscribers, or calculated by multiplying the number of hosts by an estimated multiplier.

Mobile Phones Subscribers per 1000 People

Units: number of subscribers

Data Source: International Telecommunication Union's (ITU) World Telecommunication Development Report 2000 and Challenges to the Network: Internet for Development (1999)

Data Provider: The World Bank

Years: 1990-1999

| | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| AFRICA | 0.00 | 0.02 | 0.03 | 0.05 | 0.12 | 0.57 | 0.89 | 1.54 | 2.70 | 4.65 | ---- |
| Central Africa | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.06 | 0.09 | 0.17 | 0.21 | 0.19 | ---- |
| Eastern Africa | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.02 | 0.04 | 0.06 | 0.10 | 0.35 | 0.77 |
| Northern Africa | 0.00 | 0.05 | 0.08 | 0.10 | 0.14 | 0.17 | 0.29 | 0.44 | 1.10 | 1.76 | 6.40 |
| Southern Africa | 0.00 | 0.05 | 0.06 | 0.10 | 0.31 | 2.53 | 3.94 | 6.83 | 11.55 | 19.68 | 38.20 |
| Western Africa | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.09 | 0.11 | 0.25 | 0.49 | 1.11 | ---- |
| Western Indian Ocean | 0.00 | 0.16 | 0.18 | 0.20 | 0.27 | 0.39 | 0.84 | 1.50 | 2.96 | 4.51 | 7.05 |
| ASIA AND PACIFIC | 0.00 | 0.47 | 0.77 | 1.10 | 1.63 | 3.16 | 7.05 | 14.21 | 21.47 | 29.82 | 42.48 |
| Australia and New Zealand | 0.00 | 11.67 | 17.52 | 28.46 | 39.28 | 67.92 | 119.90 | 204.06 | 231.27 | 272.61 | 346.80 |
| Central Asia | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.16 | 0.36 | 0.57 | 1.11 | 1.75 |
| North West Pacific and East Asia | 0.00 | 0.72 | 1.17 | 1.58 | 2.33 | 4.89 | 11.93 | 25.72 | 40.42 | 58.56 | 84.11 |
| South Asia | 0.00 | 0.00 | 0.01 | 0.01 | 0.02 | 0.05 | 0.15 | 0.40 | 1.03 | 1.50 | 2.19 |
| South East Asia | 0.00 | 0.51 | 0.88 | 1.46 | 2.37 | 3.86 | 7.02 | 11.01 | 15.01 | 16.60 | 24.50 |
| South Pacific | 0.00 | 0.00 | 0.14 | 0.32 | 0.56 | 1.16 | 1.97 | 3.18 | 4.69 | 7.82 | 14.59 |
| EUROPE | 0.03 | 4.36 | 5.94 | 7.80 | 11.56 | 18.86 | 30.18 | 47.92 | 76.89 | 131.36 | 223.15 |
| Central Europe | 0.00 | 0.20 | 0.35 | 0.62 | 1.11 | 2.58 | 5.41 | 10.96 | 25.63 | 51.69 | 108.26 |
| Eastern Europe | 0.00 | 0.00 | 0.00 | 0.03 | 0.04 | 0.15 | 0.50 | 1.22 | 2.74 | 4.43 | 8.39 |
| Western Europe | 0.06 | 9.04 | 12.27 | 15.99 | 23.57 | 37.97 | 59.88 | 93.53 | 145.48 | 244.42 | 403.98 |
| LATIN AMERICA AND CARIBBEAN | 0.00 | 0.29 | 0.66 | 1.41 | 2.46 | 4.83 | 8.21 | 13.63 | 25.26 | 42.99 | 82.21 |
| Caribbean | 0.00 | 0.82 | 1.41 | 2.49 | 4.14 | 7.18 | 12.18 | 14.43 | 18.00 | 28.52 | 43.01 |
| Meso-America | 0.00 | 0.58 | 1.38 | 2.65 | 3.23 | 4.77 | 6.00 | 8.98 | 15.08 | 29.24 | 67.46 |
| South America | 0.00 | 0.12 | 0.30 | 0.82 | 1.98 | 4.59 | 8.62 | 15.34 | 30.00 | 49.94 | 92.28 |
| NORTH AMERICA | 0.00 | 21.16 | 29.74 | 42.50 | 60.44 | 89.59 | 124.54 | 161.03 | 200.05 | 246.83 | 303.20 |
| North America | 0.00 | 21.16 | 29.74 | 42.50 | 60.44 | 89.59 | 124.54 | 161.03 | 200.05 | 246.83 | 303.20 |
| POLAR | 0.00 | 0.00 | 0.00 | 3.10 | 7.91 | 17.31 | 36.67 | 73.57 | 115.71 | 158.93 | 240.64 |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | 0.00 | 0.00 | 0.00 | 3.10 | 7.91 | 17.31 | 36.67 | 73.57 | 115.71 | 158.93 | 240.64 |
| WEST ASIA | 0.00 | 1.33 | 1.91 | 2.09 | 2.54 | 3.05 | 5.62 | 9.90 | 16.39 | 24.67 | 31.23 |
| Arabian Peninsula | 0.00 | 2.78 | 4.01 | 4.40 | 5.36 | 6.46 | 8.27 | 15.21 | 23.76 | 37.28 | 47.65 |
| Mashriq | 0.00 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 3.26 | 5.17 | 9.78 | 13.23 | 16.18 |
| GLOBAL TOTALS | 0.01 | 2.12 | 3.01 | 4.21 | 6.11 | 9.83 | 15.87 | 24.99 | 36.45 | 53.01 | 79.85 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 0.01 | 2.14 | 3.06 | 4.32 | 6.26 | 10.03 | 16.06 | 25.31 | 36.99 | 54.36 | 85.60 |

Comments:

Mobile phones refers to users of portable telephones subscribing to an automatic public mobile telephone service using cellular technology that provides access to the public switched telephone network.

Personal Computers per 1000 People

Units: number of personal computers

Data Source: International Telecommunication Union's (ITU) World Telecommunication Development Report 2000 and Challenges to the Network: Internet for Development (1999)

Data Provider: The World Bank

Years: 1980-1999

| | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| AFRICA | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 6.55 | 7.12 | 8.20 |
| Central Africa | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Eastern Africa | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 1.64 | 2.05 |
| Northern Africa | ---- | ---- | ---- | ---- | 2.63 | 3.28 | 4.39 | 5.26 | 7.10 | 9.20 | |
| Southern Africa | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 17.43 | 18.17 | 19.54 |
| Western Africa | ---- | ---- | ---- | 2.89 | 3.19 | 3.46 | 3.76 | 4.35 | 4.85 | 5.75 | |
| Western Indian Ocean | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 7.43 | 7.97 | 8.76 | |
| ASIA AND PACIFIC | ---- | 4.69 | 5.42 | 6.25 | 7.25 | 8.86 | 11.33 | 14.63 | 18.24 | 21.85 | 25.86 |
| Australia and New Zealand | ---- | 137.44 | 149.63 | 173.03 | 196.91 | 230.01 | 266.03 | 304.91 | 345.85 | 391.39 | 445.87 |
| Central Asia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| North West Pacific and East Asia | ---- | 7.14 | 8.09 | 9.00 | 10.29 | 12.55 | 16.22 | 21.84 | 28.05 | 34.22 | 41.74 |
| South Asia | ---- | 0.39 | 0.73 | 0.92 | 1.22 | 1.61 | 2.56 | 3.19 | 3.96 | 4.91 | 5.68 |
| South East Asia | ---- | 2.59 | 3.27 | 4.69 | 5.85 | 7.54 | 9.28 | 11.65 | 14.03 | 16.01 | 16.66 |
| South Pacific | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| EUROPE | ---- | 36.81 | 42.36 | 49.36 | 57.19 | 66.50 | 81.20 | 93.76 | 108.77 | 128.58 | 143.75 |
| Central Europe | ---- | 6.83 | 8.74 | 12.10 | 15.38 | 18.77 | 22.92 | 27.16 | 34.22 | 41.61 | 51.09 |
| Eastern Europe | ---- | 3.00 | 3.95 | 5.75 | 7.35 | 10.31 | 14.91 | 19.75 | 24.40 | 28.44 | 30.91 |
| Western Europe | ---- | 71.95 | 82.04 | 93.89 | 107.53 | 123.34 | 148.99 | 169.99 | 194.78 | 229.67 | 254.72 |
| LATIN AMERICA AND CARIBBEAN | ---- | 9.71 | 8.14 | 11.04 | 11.44 | 15.10 | 19.04 | 23.66 | 28.23 | 31.60 | 37.25 |
| Caribbean | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Meso-America | ---- | ---- | 14.85 | 16.49 | 21.39 | 24.01 | 28.70 | 30.35 | 32.72 | 38.61 | |
| South America | ---- | 4.74 | 6.31 | 8.30 | 10.26 | 13.66 | 18.36 | 23.19 | 28.90 | 32.41 | 38.10 |
| NORTH AMERICA | ---- | 206.03 | 222.88 | 242.41 | 261.99 | 287.05 | 317.26 | 352.84 | 393.60 | 443.63 | 495.82 |
| North America | ---- | 206.03 | 222.88 | 242.41 | 261.99 | 287.05 | 317.26 | 352.84 | 393.60 | 443.63 | 495.82 |
| POLAR | ---- | ---- | ---- | ---- | ---- | 107.33 | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | 107.33 | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | ---- | ---- | ---- | ---- | ---- | ---- | 18.52 | 21.93 | 26.08 | 29.57 | |
| Arabian Peninsula | ---- | ---- | ---- | ---- | ---- | ---- | 27.18 | 31.00 | 36.37 | 41.31 | |
| Mashriq | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GLOBAL TOTALS | ---- | 20.66 | 22.67 | 25.46 | 28.33 | 32.18 | 37.69 | 43.58 | 49.99 | 57.64 | 65.17 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ---- | 25.01 | 27.91 | 30.56 | 32.95 | 36.43 | 41.92 | 48.20 | 53.64 | 60.79 | 68.35 |

Comments:

Personal computers are self-contained computers designed to be used by a single individual.

The estimates of personal computers are derived from an annual questionnaire, supplemented by other sources. In many countries mainframe computers are used extensively, and thousands of users can be connected to a single mainframe computer; thus the number of personal computers understates the total use of computers.

1.1.6 Population

Population

Units: thousand people

Data Source: World Population Prospects: The 2000 Revision

Data Provider: United Nations Population Division/Department of Economic and Social Affairs

Years: 1960-2000

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| AFRICA | 276686.05 | 356339.58 | 466871.48 | 619476.76 | 703487.39 | 720951.63 | 738674.77 | 756679.77 | 774991.33 | 793627.22 |
| Central Africa | 27017.36 | 346777.74 | 45122.22 | 61018.53 | 72395.65 | 74421.95 | 76320.05 | 78179.85 | 80131.37 | 82269.27 |
| Eastern Africa | 47818.94 | 62585.91 | 82491.88 | 111499.25 | 124947.42 | 128310.42 | 132000.87 | 135922.83 | 139928.31 | 143910.58 |
| Northern Africa | 67252.59 | 85964.97 | 110827.88 | 143166.22 | 158721.29 | 161783.10 | 164829.23 | 167885.02 | 170984.41 | 174149.60 |
| Southern Africa | 52524.14 | 68023.04 | 89757.96 | 118427.89 | 134963.99 | 138201.51 | 141380.27 | 144489.99 | 147523.08 | 150475.85 |
| Western Africa | 75426.69 | 96533.44 | 127700.74 | 171151.66 | 196207.73 | 201531.85 | 206975.28 | 212553.53 | 218285.00 | 224182.64 |
| Western Indian Ocean | 6646.33 | 8554.48 | 10970.80 | 14213.21 | 16251.31 | 16702.81 | 17169.07 | 17648.56 | 18139.16 | 18639.29 |
| ASIA AND PACIFIC | 1649602.24 | 2074513.27 | 2539402.35 | 3040544.38 | 3282974.45 | 3330003.83 | 3376675.91 | 3422933.10 | 3468677.08 | 3513848.34 |
| Australia and New Zealand | 12648.47 | 15354.93 | 17682.14 | 20248.33 | 21675.99 | 21940.68 | 22195.24 | 22441.06 | 22680.57 | 22915.65 |
| Central Asia | 24403.00 | 33177.50 | 41312.10 | 50622.90 | 53909.42 | 54508.35 | 55105.00 | 55692.65 | 56259.44 | 56798.10 |
| North West Pacific and East Asia | 792227.85 | 986776.77 | 1177958.20 | 1349961.21 | 1420185.31 | 1433023.39 | 1445643.99 | 1457954.02 | 1469797.46 | 1481075.13 |
| South Asia | 594952.76 | 750117.25 | 940304.26 | 1173908.03 | 1298627.36 | 1323651.14 | 1348666.25 | 1373708.29 | 1398831.20 | 1424070.36 |
| South East Asia | 222328.22 | 285242.14 | 357291.93 | 439722.59 | 481750.74 | 489901.27 | 497932.68 | 505849.48 | 513663.70 | 521384.20 |
| South Pacific | 3041.94 | 3844.68 | 4853.72 | 6081.31 | 6825.64 | 6979.01 | 7132.76 | 7287.60 | 7444.70 | 7604.90 |
| EUROPE | 645210.17 | 707764.20 | 756452.28 | 799311.25 | 812825.65 | 814444.46 | 815721.99 | 816679.50 | 817343.69 | 817741.84 |
| Central Europe | 133648.11 | 150674.99 | 169368.16 | 186803.18 | 191281.06 | 192182.50 | 193135.24 | 194108.74 | 195052.99 | 195931.65 |
| Eastern Europe | 183803.60 | 202740.20 | 216701.45 | 230986.70 | 231136.77 | 230539.04 | 229778.47 | 228866.95 | 227813.71 | 226632.11 |
| Western Europe | 327758.46 | 354349.01 | 370382.67 | 381521.37 | 390407.81 | 391722.92 | 392808.28 | 393703.81 | 394476.99 | 395178.08 |
| LATIN AMERICA AND CARIBBEAN | 218250.73 | 284802.42 | 361382.78 | 440412.48 | 479841.25 | 487690.25 | 495521.38 | 503331.17 | 511115.77 | 518871.75 |
| Caribbean | 20478.16 | 24906.04 | 29301.86 | 33966.41 | 36027.51 | 36427.33 | 36825.11 | 37220.80 | 37613.98 | 38004.39 |
| Meso-America | 49376.51 | 67503.48 | 89833.29 | 111409.34 | 123223.05 | 125615.85 | 128005.78 | 130389.50 | 132764.66 | 135129.03 |
| South America | 148396.06 | 192392.90 | 242247.64 | 295036.74 | 320590.68 | 325647.06 | 330690.50 | 335720.87 | 340737.12 | 345738.34 |
| NORTH AMERICA | 204072.25 | 231833.35 | 254928.59 | 282483.50 | 298104.84 | 301327.34 | 304563.48 | 307779.43 | 310932.71 | 313993.79 |
| North America | 204072.25 | 231833.35 | 254928.59 | 282483.50 | 298104.84 | 301327.34 | 304563.48 | 307779.43 | 310932.71 | 313993.79 |
| POLAR | 33.00 | 46.43 | 50.20 | 55.58 | 55.78 | 55.82 | 55.90 | 56.01 | 56.12 | 56.22 |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | 33.00 | 46.43 | 50.20 | 55.58 | 55.78 | 55.82 | 55.90 | 56.01 | 56.12 | 56.22 |
| WEST ASIA | 25711.72 | 34898.74 | 49948.49 | 71653.55 | 83589.35 | 86226.88 | 88970.12 | 91807.74 | 94720.49 | 97694.24 |
| Arabian Peninsula | 10449.31 | 14097.30 | 21919.40 | 33874.89 | 39267.22 | 40614.85 | 42095.27 | 43677.10 | 45310.33 | 46958.69 |
| Mashriq | 15262.42 | 20801.44 | 28029.09 | 37778.66 | 44322.13 | 45612.02 | 46874.85 | 48130.64 | 49410.16 | 50735.55 |
| GLOBAL TOTALS | 3019566.17 | 3690197.98 | 4429036.17 | 5253937.49 | 5660878.69 | 5740700.21 | 5820183.56 | 5899266.72 | 5977837.19 | 6055833.42 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 3020176.65 | 3690924.51 | 4429746.73 | 5254819.53 | 5661861.97 | 5741670.39 | 5821127.12 | 5900178.97 | 5978725.84 | 6056714.93 |

Population - Female

Units: thousand people

Data Source: World Population Prospects: The 2000 Revision

Data Provider: United Nations Population Division/Department of Economic and Social Affairs

Years: 1960-2000

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| AFRICA | 139827.42 | 179749.99 | 234634.95 | 310569.81 | 352402.00 | 361087.88 | 369897.58 | 378838.41 | 387917.34 | 397139.67 |
| Central Africa | 13962.08 | 17776.48 | 22970.79 | 30903.45 | 36562.97 | 37569.28 | 38511.19 | 39433.34 | 40400.24 | 41458.89 |
| Eastern Africa | 24137.99 | 31608.47 | 41664.71 | 56260.77 | 62975.98 | 64654.34 | 66496.29 | 68452.77 | 70448.25 | 72428.24 |
| Northern Africa | 33486.18 | 42892.85 | 54974.48 | 70772.55 | 78518.96 | 80044.84 | 81562.38 | 83083.43 | 84624.00 | 86194.63 |
| Southern Africa | 26642.73 | 34465.75 | 45484.26 | 59938.94 | 68232.93 | 69848.33 | 71430.80 | 72974.44 | 74474.56 | 75928.72 |
| Western Africa | 38258.38 | 48720.11 | 64044.18 | 85583.19 | 97975.38 | 100608.82 | 103301.04 | 106058.54 | 108888.93 | 111797.56 |
| Western Indian Ocean | 3340.05 | 4286.34 | 5496.53 | 7110.92 | 8135.77 | 8362.28 | 8595.88 | 8835.88 | 9081.36 | 9331.64 |
| ASIA AND PACIFIC | 805533.39 | 1012547.56 | 1238307.44 | 1482664.45 | 1603285.56 | 1626698.91 | 1649899.80 | 1672887.91 | 1695659.43 | 1718216.32 |
| Australia and New Zealand | 6261.95 | 7629.44 | 8858.45 | 10157.72 | 10907.54 | 11042.21 | 11169.30 | 11290.48 | 11408.44 | 11525.22 |
| Central Asia | 12623.32 | 17090.24 | 21162.74 | 25768.50 | 27367.72 | 27663.55 | 27960.47 | 28254.48 | 28538.73 | 28808.88 |
| North West Pacific and East Asia | 387234.62 | 482103.44 | 574228.85 | 657519.63 | 692545.28 | 699028.61 | 705412.26 | 711656.27 | 717694.49 | 723484.93 |
| South Asia | 286807.87 | 361449.07 | 453086.09 | 566656.04 | 628610.18 | 640961.91 | 653262.09 | 665551.04 | 677889.93 | 690321.04 |
| South East Asia | 111262.00 | 142564.52 | 178784.24 | 219885.75 | 240831.30 | 244907.08 | 248928.86 | 252897.74 | 256818.04 | 260692.97 |
| South Pacific | 1343.63 | 1710.85 | 2187.07 | 2676.81 | 3023.54 | 3095.55 | 3166.82 | 3237.90 | 3309.81 | 3383.28 |
| EUROPE | 339392.65 | 369096.76 | 392820.13 | 412854.98 | 419082.12 | 419821.41 | 420405.07 | 420841.79 | 421141.64 | 421315.44 |
| Central Europe | 68140.36 | 76529.65 | 85873.95 | 94492.21 | 96885.78 | 97358.59 | 97857.41 | 98367.07 | 98862.14 | 99324.08 |
| Eastern Europe | 101562.18 | 110185.65 | 116671.65 | 122835.95 | 122599.54 | 122285.13 | 121904.52 | 121459.88 | 120950.68 | 120379.43 |
| Western Europe | 169690.12 | 182381.47 | 190274.54 | 195526.83 | 199596.81 | 200177.69 | 200643.13 | 201014.83 | 201328.83 | 201611.93 |
| LATIN AMERICA AND CARIBBEAN | 108837.53 | 142116.06 | 180737.95 | 221157.59 | 241411.72 | 245439.80 | 249456.64 | 253461.16 | 257452.45 | 261429.56 |
| Caribbean | 9977.81 | 12168.79 | 14364.97 | 16718.77 | 17742.99 | 17943.63 | 18144.62 | 18345.52 | 18545.42 | 18743.68 |
| Meso-America | 24683.10 | 33674.99 | 44899.11 | 55951.50 | 61964.72 | 63182.80 | 64400.01 | 65614.70 | 66825.63 | 68031.65 |
| South America | 74176.62 | 96272.28 | 121473.87 | 148487.32 | 161704.02 | 164313.37 | 166912.01 | 169500.94 | 172081.40 | 174654.23 |
| NORTH AMERICA | 102859.40 | 117807.56 | 129628.49 | 143322.45 | 151139.06 | 152753.02 | 154372.68 | 155982.54 | 157563.51 | 159102.32 |
| North America | 102859.40 | 117807.56 | 129628.49 | 143322.45 | 151139.06 | 152753.02 | 154372.68 | 155982.54 | 157563.51 | 159102.32 |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | 12581.64 | 17108.64 | 24136.48 | 34225.02 | 40143.41 | 41437.38 | 42773.32 | 44149.43 | 45562.42 | 47009.82 |
| Arabian Peninsula | 5116.93 | 6912.60 | 10366.34 | 15628.97 | 18325.17 | 18983.15 | 19695.98 | 20452.22 | 21233.71 | 22027.31 |
| Mashriq | 7464.70 | 10196.04 | 13770.14 | 18596.05 | 21818.24 | 22454.24 | 23077.34 | 23697.21 | 24328.71 | 24982.51 |
| GLOBAL TOTALS | 1509032.02 | 1838426.57 | 2200265.44 | 2604794.30 | 2807463.87 | 2847238.39 | 2886805.09 | 2926161.23 | 2965296.80 | 3004213.12 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 1509872.70 | 1839426.06 | 2201346.98 | 2606058.05 | 2808846.58 | 2848628.52 | 2888195.81 | 2927550.26 | 2966688.25 | 3005615.63 |

Population - Male

Units: thousand people

Data Source: World Population Prospects: The 2000 Revision

Data Provider: United Nations Population Division/Department of Economic and Social Affairs

Years: 1960-2000

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| AFRICA | 136747.97 | 176458.37 | 232074.14 | 308717.09 | 350878.28 | 359653.18 | 368563.17 | 377623.92 | 386853.09 | 396263.14 |
| Central Africa | 12991.28 | 16828.33 | 22057.62 | 30000.52 | 35706.90 | 36724.57 | 37678.39 | 38613.66 | 39595.87 | 40672.67 |
| Eastern Africa | 23680.95 | 30977.44 | 40827.18 | 55238.48 | 61971.44 | 63656.08 | 65504.58 | 67470.06 | 69480.07 | 71482.34 |
| Northern Africa | 33766.41 | 43072.12 | 55853.40 | 72393.67 | 80202.33 | 81738.26 | 83266.85 | 84801.59 | 86360.41 | 87954.97 |
| Southern Africa | 25876.40 | 33552.30 | 44268.38 | 58483.17 | 66725.02 | 68347.10 | 69943.33 | 71509.35 | 73042.28 | 74540.84 |
| Western Africa | 37168.30 | 47813.33 | 63656.56 | 85568.48 | 98232.35 | 100923.03 | 103674.24 | 106494.99 | 109396.07 | 112385.08 |
| Western Indian Ocean | 3264.62 | 4214.85 | 5411.00 | 7032.78 | 8040.24 | 8264.14 | 8495.78 | 8734.28 | 8978.40 | 9227.24 |
| ASIA AND PACIFIC | 843823.31 | 1061646.96 | 1300727.96 | 1557412.83 | 1679169.66 | 1702774.94 | 1726235.10 | 1749492.87 | 1772453.83 | 1795056.62 |
| Australia and New Zealand | 6386.53 | 7725.49 | 8823.69 | 10090.61 | 10768.45 | 10898.47 | 11025.95 | 11150.59 | 11272.13 | 11390.43 |
| Central Asia | 11779.68 | 16087.26 | 20149.36 | 24854.40 | 26541.70 | 26844.79 | 27144.53 | 27438.17 | 27720.71 | 27989.22 |
| North West Pacific and East Asia | 404993.23 | 504673.33 | 603729.36 | 692441.58 | 727640.04 | 733994.78 | 740231.72 | 746297.75 | 752102.97 | 757590.21 |
| South Asia | 308144.89 | 388668.18 | 487218.17 | 607251.99 | 670017.17 | 682689.23 | 695404.17 | 708157.24 | 720941.27 | 733749.32 |
| South East Asia | 111066.22 | 142677.62 | 178507.69 | 219836.85 | 240919.44 | 244994.19 | 249003.82 | 252951.74 | 256845.67 | 260691.24 |
| South Pacific | 1452.76 | 1815.08 | 2299.70 | 2937.41 | 3282.86 | 3353.48 | 3424.91 | 3497.38 | 3571.09 | 3646.22 |
| EUROPE | 305648.18 | 338466.14 | 363390.26 | 386179.62 | 393445.65 | 394319.85 | 395007.95 | 395522.69 | 395880.89 | 396099.12 |
| Central Europe | 65507.75 | 74145.34 | 83494.21 | 92310.98 | 94395.28 | 94823.91 | 95277.83 | 95741.66 | 96190.86 | 96607.58 |
| Eastern Europe | 82241.43 | 92554.56 | 100029.81 | 108150.76 | 108537.23 | 108253.91 | 107873.95 | 107407.07 | 106863.03 | 106252.68 |
| Western Europe | 157899.00 | 171766.24 | 179866.24 | 185717.89 | 190513.14 | 191242.02 | 191856.18 | 192373.96 | 192827.00 | 193238.87 |
| LATIN AMERICA AND CARIBBEAN | 108902.24 | 142108.58 | 180011.16 | 218576.96 | 237705.88 | 241518.73 | 245325.67 | 249123.93 | 252910.01 | 256681.04 |
| Caribbean | 9991.54 | 12161.53 | 14305.04 | 16571.74 | 17563.05 | 17754.19 | 17943.65 | 18131.46 | 18317.54 | 18501.87 |
| Meso-America | 24693.41 | 33828.49 | 44934.17 | 55457.84 | 61258.33 | 62433.05 | 63605.77 | 64774.81 | 65939.04 | 67097.37 |
| South America | 74217.29 | 96118.56 | 120771.95 | 146547.38 | 158884.49 | 161331.49 | 163776.25 | 166217.67 | 168653.43 | 171081.80 |
| NORTH AMERICA | 101207.85 | 114020.39 | 125294.10 | 139154.64 | 146959.18 | 148567.68 | 150184.10 | 151790.15 | 153362.41 | 154884.62 |
| North America | 101207.85 | 114020.39 | 125294.10 | 139154.64 | 146959.18 | 148567.68 | 150184.10 | 151790.15 | 153362.41 | 154884.62 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | 13130.09 | 17790.09 | 25812.01 | 37428.53 | 43445.94 | 44789.49 | 46196.81 | 47658.31 | 49158.07 | 50684.42 |
| Arabian Peninsula | 5332.37 | 7184.70 | 11553.06 | 18245.93 | 20942.05 | 21631.71 | 22399.29 | 23224.88 | 24076.62 | 24931.38 |
| Mashriq | 7797.72 | 10605.40 | 14258.96 | 19182.61 | 22503.88 | 23157.79 | 23797.51 | 24433.43 | 25081.45 | 25753.04 |
| GLOBAL TOTALS | 1509459.63 | 1850490.52 | 2227309.63 | 2647469.68 | 2851604.58 | 2891623.87 | 2931512.80 | 2971211.87 | 3010618.29 | 3049668.98 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 1510303.95 | 1851498.45 | 2228399.74 | 2648761.49 | 2853015.39 | 2893041.87 | 2932931.31 | 2972628.71 | 3012037.59 | 3051099.30 |

Population Density

Units: people per square kilometre

Data Source: World Population Prospects: The 2000 Revision

Data Provider: United Nations Population Division/Department of Economic and Social Affairs

Years: 1960-2000

| | 1960 | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| AFRICA | 11.10 | 12.61 | 13.87 | 15.37 | 15.53 | 15.70 | 15.87 | 16.04 | 16.22 | 16.39 | 16.57 | 16.74 | 16.92 | 17.08 |
| Central Africa | 5.15 | 6.61 | 8.61 | 11.64 | 12.05 | 12.49 | 12.95 | 13.39 | 13.81 | 14.20 | 14.56 | 14.91 | 15.28 | 15.69 |
| Eastern Africa | 18.59 | 24.32 | 32.06 | 43.33 | 44.41 | 45.40 | 46.37 | 47.40 | 48.55 | 49.86 | 51.29 | 52.82 | 54.37 | 55.92 |
| Northern Africa | 8.02 | 10.26 | 13.22 | 17.08 | 17.46 | 17.83 | 18.20 | 18.57 | 18.94 | 19.30 | 19.67 | 20.03 | 20.40 | 20.78 |
| Southern Africa | 7.73 | 10.01 | 13.20 | 17.42 | 17.90 | 18.38 | 18.88 | 19.37 | 19.85 | 20.33 | 20.80 | 21.26 | 21.70 | 22.14 |
| Western Africa | 12.46 | 15.94 | 21.09 | 28.26 | 29.07 | 29.88 | 30.70 | 31.54 | 32.40 | 33.28 | 34.18 | 35.10 | 36.05 | 37.02 |
| Western Indian Ocean | 11.29 | 14.53 | 18.63 | 24.14 | 24.78 | 25.45 | 26.14 | 26.86 | 27.60 | 28.37 | 29.16 | 29.98 | 30.81 | 31.66 |
| ASIA AND PACIFIC | 10.81 | 14.11 | 17.91 | 21.82 | 22.21 | 22.61 | 23.00 | 23.39 | 23.78 | 24.17 | 24.55 | 24.94 | 25.33 | 25.71 |
| Australia and New Zealand | 1.59 | 1.93 | 2.22 | 2.55 | 2.58 | 2.62 | 2.66 | 2.69 | 2.73 | 2.76 | 2.79 | 2.82 | 2.85 | 2.88 |
| Central Asia | 6.26 | 8.51 | 10.59 | 12.97 | 13.17 | 13.35 | 13.51 | 13.66 | 13.81 | 13.96 | 14.12 | 14.27 | 14.41 | 14.55 |
| North West Pacific and East Asia | 68.80 | 85.72 | 102.34 | 117.28 | 118.66 | 119.93 | 121.12 | 122.26 | 123.39 | 124.50 | 125.60 | 126.67 | 127.71 | 128.69 |
| South Asia | 92.91 | 117.15 | 146.85 | 183.33 | 187.21 | 191.10 | 195.00 | 198.90 | 202.81 | 206.72 | 210.62 | 214.53 | 218.46 | 222.40 |
| South East Asia | 51.16 | 65.64 | 82.22 | 101.19 | 103.14 | 105.09 | 107.03 | 108.96 | 110.86 | 112.74 | 114.59 | 116.41 | 118.21 | 119.98 |
| South Pacific | 5.48 | 6.91 | 8.74 | 10.89 | 11.14 | 11.40 | 11.66 | 11.94 | 12.21 | 12.48 | 12.76 | 13.05 | 13.33 | 13.61 |
| EUROPE | 27.67 | 30.35 | 32.43 | 34.27 | 34.43 | 34.21 | 34.33 | 34.42 | 34.51 | 34.58 | 34.63 | 34.67 | 34.70 | 34.72 |
| Central Europe | 66.91 | 75.28 | 84.51 | 93.10 | 93.67 | 90.24 | 90.63 | 91.00 | 91.40 | 91.83 | 92.28 | 92.75 | 93.20 | 93.62 |
| Eastern Europe | 10.27 | 11.33 | 12.11 | 12.91 | 12.94 | 12.96 | 12.96 | 12.94 | 12.92 | 12.88 | 12.84 | 12.79 | 12.73 | 12.67 |
| Western Europe | 91.19 | 98.57 | 103.00 | 106.10 | 106.60 | 107.12 | 107.65 | 108.14 | 108.57 | 108.94 | 109.24 | 109.49 | 109.70 | 109.90 |
| LATIN AMERICA AND CARIBBEAN | 9.33 | 12.02 | 15.75 | 20.90 | 21.45 | 22.01 | 22.58 | 23.15 | 23.73 | 24.32 | 24.92 | 25.53 | 26.14 | 26.77 |
| Caribbean | 89.22 | 108.56 | 127.77 | 148.13 | 149.99 | 151.80 | 153.57 | 155.32 | 157.05 | 158.78 | 160.51 | 162.22 | 163.92 | 165.61 |
| Meso-America | 20.41 | 27.90 | 37.13 | 46.05 | 47.00 | 47.97 | 48.95 | 49.94 | 50.93 | 51.92 | 52.91 | 53.89 | 54.87 | 55.85 |
| South America | 8.47 | 10.98 | 13.82 | 16.83 | 17.13 | 17.42 | 17.71 | 18.00 | 18.29 | 18.58 | 18.87 | 19.15 | 19.44 | 19.72 |
| NORTH AMERICA | 47.56 | 59.82 | 73.23 | 87.68 | 89.14 | 90.56 | 91.94 | 93.32 | 94.68 | 96.04 | 97.38 | 98.72 | 100.04 | 101.34 |
| North America | 11.10 | 12.61 | 13.87 | 15.37 | 15.53 | 15.70 | 15.87 | 16.04 | 16.22 | 16.39 | 16.57 | 16.74 | 16.92 | 17.08 |
| POLAR | 6.63 | 9.09 | 13.04 | 18.70 | 19.30 | 19.90 | 20.51 | 21.13 | 21.78 | 22.47 | 23.17 | 23.91 | 24.66 | 25.43 |
| Antarctic | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Arctic | 0.10 | 0.14 | 0.15 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| WEST ASIA | 0.05 | 0.07 | 0.08 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| Arabian Peninsula | 3.48 | 4.69 | 7.30 | 11.28 | 11.65 | 11.99 | 12.32 | 12.68 | 13.07 | 13.52 | 14.02 | 14.54 | 15.09 | 15.64 |
| Mashriq | 19.75 | 27.40 | 36.97 | 49.62 | 51.19 | 52.87 | 54.61 | 56.37 | 58.07 | 59.73 | 61.34 | 62.94 | 64.56 | 66.25 |
| GLOBAL TOTALS | 23.10 | 28.24 | 33.89 | 40.20 | 40.84 | 41.47 | 42.09 | 42.70 | 43.32 | 43.93 | 44.53 | 45.14 | 45.74 | 46.34 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 23.10 | 23.10 | 23.10 | 23.10 | 23.10 | 23.10 | 23.10 | 23.10 | 23.10 | 23.10 | 23.10 | 23.10 | 23.10 | 23.10 |

Comments:

Population density is midyear population divided by land area in square kilometres. Population is based on the de facto definition of population, which counts all residents regardless of legal status or citizenship--except for refugees not permanently settled in the country of asylum, who are generally considered part of the population of their country of origin.

Land area is a country's total area, excluding area under inland water bodies, national claims to continental shelf, and exclusive economic zones. In most cases the definition of inland water bodies includes major rivers and lakes (data source for land area: FAOSTAT, data as of July 2001).

Population Growth Rate

Units: percent

Data Source: World Population Prospects: The 2000 Revision

Data Provider: United Nations Population Division/Department of Economic and Social Affairs

Years: 1950-1955, 1955-1960, ..., 2045-2050

| | 1950-55 | 1970-75 | 1990-95 | 1995-00 | 2000-05 | 2020-25 | 2025-30 | 2030-35 | 2035-40 | 2040-45 | 2045-50 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| AFRICA | 2.17 | 2.61 | 2.54 | 2.41 | 2.33 | 1.96 | 1.84 | 1.68 | 1.55 | 1.41 | 1.25 |
| Central Africa | 1.87 | 2.44 | 3.42 | 2.56 | 3.00 | 2.74 | 2.59 | 2.37 | 2.12 | 1.83 | 1.51 |
| Eastern Africa | 2.23 | 2.71 | 2.26 | 2.82 | 2.60 | 2.30 | 2.23 | 2.13 | 2.00 | 1.81 | 1.59 |
| Northern Africa | 2.27 | 2.43 | 2.06 | 1.85 | 1.81 | 1.15 | 1.01 | 0.88 | 0.77 | 0.67 | 0.57 |
| Southern Africa | 2.16 | 2.79 | 2.61 | 2.17 | 1.74 | 1.59 | 1.53 | 1.43 | 1.34 | 1.26 | 1.16 |
| Western Africa | 2.15 | 2.65 | 2.73 | 2.66 | 2.66 | 2.12 | 1.90 | 1.67 | 1.52 | 1.43 | 1.30 |
| Western Indian Ocean | 2.47 | 2.42 | 2.68 | 2.74 | 2.65 | 2.23 | 2.06 | 1.84 | 1.60 | 1.33 | 1.18 |
| ASIA AND PACIFIC | 1.90 | 2.22 | 1.53 | 1.36 | 1.21 | 0.78 | 0.65 | 0.54 | 0.44 | 0.35 | 0.26 |
| Australia and New Zealand | 2.26 | 2.02 | 1.36 | 1.11 | 0.95 | 0.63 | 0.55 | 0.46 | 0.40 | 0.36 | 0.35 |
| Central Asia | 2.95 | 2.38 | 1.25 | 1.04 | 0.85 | 0.82 | 0.69 | 0.60 | 0.52 | 0.43 | 0.33 |
| North West Pacific and East Asia | 1.75 | 2.11 | 1.01 | 0.83 | 0.66 | 0.29 | 0.15 | 0.05 | -0.03 | -0.15 | -0.27 |
| South Asia | 2.00 | 2.32 | 2.02 | 1.84 | 1.71 | 1.14 | 1.01 | 0.88 | 0.75 | 0.66 | 0.58 |
| South East Asia | 2.08 | 2.34 | 1.83 | 1.58 | 1.38 | 0.92 | 0.80 | 0.68 | 0.57 | 0.47 | 0.38 |
| South Pacific | 1.88 | 2.34 | 2.31 | 2.16 | 2.10 | 1.66 | 1.50 | 1.32 | 1.11 | 0.91 | 0.85 |
| EUROPE | 1.08 | 0.72 | 0.33 | 0.12 | -0.03 | -0.18 | -0.25 | -0.31 | -0.37 | -0.41 | -0.46 |
| Central Europe | 1.61 | 1.20 | 0.47 | 0.48 | 0.36 | 0.15 | 0.07 | -0.01 | -0.06 | -0.10 | -0.14 |
| Eastern Europe | 1.56 | 0.69 | 0.01 | -0.39 | -0.63 | -0.63 | -0.70 | -0.74 | -0.77 | -0.80 | -0.87 |
| Western Europe | 0.64 | 0.52 | 0.46 | 0.24 | 0.12 | -0.13 | -0.19 | -0.27 | -0.35 | -0.41 | -0.45 |
| LATIN AMERICA AND CARIBBEAN | 2.65 | 2.45 | 1.71 | 1.56 | 1.42 | 0.91 | 0.80 | 0.69 | 0.58 | 0.49 | 0.40 |
| Caribbean | 1.77 | 1.78 | 1.18 | 1.07 | 0.98 | 0.59 | 0.47 | 0.37 | 0.28 | 0.17 | 0.10 |
| Meso-America | 2.75 | 3.03 | 2.01 | 1.84 | 1.64 | 1.01 | 0.88 | 0.75 | 0.63 | 0.53 | 0.42 |
| South America | 2.75 | 2.32 | 1.66 | 1.51 | 1.38 | 0.91 | 0.80 | 0.69 | 0.59 | 0.50 | 0.43 |
| NORTH AMERICA | 1.70 | 0.97 | 1.08 | 1.04 | 0.88 | 0.73 | 0.65 | 0.57 | 0.50 | 0.46 | 0.45 |
| North America | 1.70 | 0.97 | 1.08 | 1.04 | 0.88 | 0.73 | 0.65 | 0.57 | 0.50 | 0.46 | 0.45 |
| POLAR | 3.21 | 1.31 | 0.07 | 0.16 | 0.16 | 0.18 | 0.18 | 0.19 | 0.19 | 0.20 | 0.20 |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | 3.21 | 1.31 | 0.07 | 0.16 | 0.16 | 0.18 | 0.18 | 0.19 | 0.19 | 0.20 | 0.20 |
| WEST ASIA | 2.43 | 3.45 | 3.07 | 3.12 | 3.00 | 2.29 | 2.10 | 1.95 | 1.81 | 1.64 | 1.49 |
| Arabian Peninsula | 2.14 | 3.81 | 2.93 | 3.58 | 3.36 | 2.84 | 2.67 | 2.47 | 2.26 | 2.03 | 1.87 |
| Mashriq | 2.63 | 3.20 | 3.19 | 2.70 | 2.66 | 1.67 | 1.42 | 1.28 | 1.21 | 1.09 | 0.93 |
| GLOBAL TOTALS | 1.78 | 1.93 | 1.49 | 1.34 | 1.23 | 0.92 | 0.82 | 0.72 | 0.64 | 0.56 | 0.47 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 1.79 | 1.93 | 1.49 | 1.35 | 1.23 | 0.92 | 0.82 | 0.73 | 0.64 | 0.56 | 0.47 |

1.1.7 Private Consumption

Household Final Consumption Expenditure - per Capita

Units: constant 1995 US\$ per person

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| AFRICA | ---- | 438.18 | 529.92 | 516.44 | 513.50 | 493.14 | 481.50 | 481.69 | 489.02 | 507.29 | 508.56 | 511.27 | 511.42 |
| Central Africa | 313.96 | 311.70 | 298.98 | 301.26 | 286.96 | 227.03 | 220.27 | 214.62 | 216.75 | 214.61 | 211.08 | 217.69 | 208.03 |
| Eastern Africa | ---- | ---- | ---- | 149.72 | 153.81 | 152.81 | 152.63 | 145.59 | 156.55 | 161.84 | 160.33 | 156.68 | 158.27 |
| Northern Africa | ---- | 481.09 | 714.60 | 786.35 | 797.11 | 797.10 | 786.76 | 815.63 | 808.97 | 843.26 | 837.74 | 864.22 | 867.98 |
| Southern Africa | ---- | ---- | 991.11 | 986.20 | 963.84 | 921.38 | 907.79 | 905.36 | 926.39 | 954.12 | 966.91 | 959.23 | 957.54 |
| Western Africa | 349.27 | 312.33 | 377.23 | 292.58 | 293.02 | 272.43 | 251.76 | 239.26 | 250.88 | 270.36 | 275.30 | 272.88 | 278.32 |
| Western Indian Ocean | 411.20 | 418.01 | 425.36 | 379.88 | 372.51 | 371.93 | 378.87 | 373.30 | 376.15 | 372.30 | 385.50 | 388.79 | 391.70 |
| ASIA AND PACIFIC | ---- | 846.77 | 1079.15 | 1347.56 | 1368.29 | 1392.98 | 1410.00 | 1435.23 | 1465.12 | 1514.65 | 1520.28 | 1486.97 | 572.55 |
| Australia and New Zealand | 6265.08 | 8046.94 | 9548.15 | 11042.65 | 11048.31 | 11101.49 | 11228.19 | 11668.03 | 12015.98 | 12197.92 | 12615.26 | 12985.36 | ---- |
| Central Asia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| North West Pacific and East Asia | 744.08 | 1368.12 | 1831.73 | 2403.94 | 2454.49 | 2503.93 | 2530.44 | 2576.68 | 2636.26 | 2714.04 | 2719.73 | 2678.26 | 543.24 |
| South Asia | ---- | 191.14 | 205.87 | 255.97 | 256.90 | 264.13 | 269.34 | 276.01 | 283.35 | 300.83 | 304.54 | 299.53 | 316.23 |
| South East Asia | ---- | ---- | 483.66 | 685.92 | 709.25 | 736.57 | 778.97 | 821.65 | 857.90 | 936.58 | 961.19 | 879.95 | 891.26 |
| South Pacific | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| EUROPE | ---- | ---- | ---- | 6971.88 | 6958.17 | 7017.18 | 7016.46 | 7088.74 | 7195.91 | 7341.36 | 7497.02 | 7702.43 | 7879.43 |
| Central Europe | ---- | ---- | ---- | 1748.09 | 1655.12 | 1672.42 | 1756.76 | 1750.79 | 1805.65 | 1918.24 | 2004.98 | 2031.41 | 2026.88 |
| Eastern Europe | ---- | ---- | ---- | ---- | 1071.16 | 1130.12 | 1076.91 | 1065.78 | 1099.96 | 1163.52 | 1155.86 | 1119.72 | ---- |
| Western Europe | 5933.94 | 8301.68 | 10649.59 | 12954.05 | 13059.42 | 13217.39 | 13119.56 | 13283.58 | 13466.16 | 13675.22 | 13902.20 | 14304.07 | 14677.07 |
| LATIN AMERICA AND CARIBBEAN | 1270.73 | 1658.52 | 2233.00 | 2086.01 | 2124.32 | 2119.14 | 2195.94 | 2271.15 | 2290.20 | 2342.74 | 2410.99 | 2435.14 | 2368.49 |
| Caribbean | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Meso-America | 1172.65 | 1526.41 | 1981.59 | 1896.85 | 1948.59 | 2002.42 | 2001.94 | 2052.46 | 1861.40 | 1869.70 | 1949.28 | 2016.75 | 2058.70 |
| South America | 1377.32 | 1819.81 | 2469.16 | 2280.61 | 2315.17 | 2281.69 | 2402.29 | 2497.50 | 2596.72 | 2666.83 | 2742.65 | 2748.11 | 2624.80 |
| NORTH AMERICA | 7872.72 | 10440.39 | 13147.83 | 16564.60 | 16347.46 | 16624.80 | 16982.33 | 17426.05 | 17744.92 | 18107.16 | 18562.33 | 19211.32 | ---- |
| North America | 7872.72 | 10440.39 | 13147.83 | 16564.60 | 16347.46 | 16624.80 | 16982.33 | 17426.05 | 17744.92 | 18107.16 | 18562.33 | 19211.32 | ---- |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arabian Peninsula | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Mashriq | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GLOBAL TOTALS | ---- | 2243.90 | 2645.43 | 2976.17 | 2963.44 | 2984.70 | 3004.75 | 3045.18 | 3083.40 | 3144.70 | 3185.54 | 3216.76 | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 1564.00 | 2144.00 | 2599.00 | 3015.00 | 3009.00 | 3035.00 | 3057.00 | 3102.00 | 3141.00 | 3202.00 | 3244.00 | 3276.00 | ---- |

Comments:

Household final consumption expenditure (private consumption) is the market value of all goods and services, including durable products (such as cars, washing machines, and home computers), purchased by households. It excludes purchases of dwellings but includes imputed rent for owner-occupied dwellings. It also includes payments and fees to governments to obtain permits and licenses. Here, household consumption expenditure includes the expenditures of non-profit institutions serving households, even when reported separately by the country.

Household final consumption expenditure per capita is calculated by UNEP/DEWA/GRID-Geneva using household final consumption expenditure from the World Bank and the total population from the World Population Prospects: The 2000 Revision.

Data sources: the national accounts indicators for most developing countries are collected from national statistical organizations and central banks by visiting and resident World Bank missions. Data for high-income economies come from Organisation for Economic Co-operation and Development (OECD) data files (see the OECD's National Accounts, 1988–1998, volumes 1 and 2). The United Nations Statistics Division publishes detailed national accounts for United Nations member countries in National Accounts Statistics: main aggregates and detailed tables and publishes updates in the Monthly Bulletin of Statistics.

Household Final Consumption Expenditure - Total

Units: Million Constant 1995 US\$

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|
| AFRICA | ---- | ---- | 212255.25 | 280373.92 | 300399.15 | 319378.64 | 328213.94 | 337410.07 | 345583.26 |
| Central Africa | 6939.47 | 8966.66 | 11358.95 | 15739.36 | 13506.38 | 13745.46 | 13857.15 | 14628.90 | 14321.37 |
| Eastern Africa | ---- | ---- | ---- | 15081.23 | 17825.54 | 18931.73 | 19292.87 | 19403.12 | 20158.65 |
| Northern Africa | ---- | 33420.23 | 63113.11 | 89532.39 | 101769.97 | 108053.99 | 109296.53 | 114764.65 | 117300.23 |
| Southern Africa | ---- | ---- | 81400.32 | 106591.49 | 113746.36 | 119883.06 | 124205.94 | 125846.53 | 128165.83 |
| Western Africa | 20649.97 | 28888.46 | 46243.79 | 48259.53 | 47687.56 | 52797.47 | 55207.68 | 56176.93 | 58810.18 |
| Western Indian Ocean | 2218.31 | 2900.39 | 4424.28 | 5169.92 | 5863.34 | 5966.94 | 6353.77 | 6589.94 | 6827.01 |
| ASIA AND PACIFIC | ---- | 1647868.14 | 2635121.07 | 3989548.28 | 4677567.25 | 4899785.12 | 4984776.39 | 4929207.94 | 1597479.31 |
| Australia and New Zealand | 79243.67 | 123560.21 | 168831.63 | 223595.17 | 260458.18 | 267630.63 | 279998.73 | 291405.25 | ---- |
| Central Asia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| North West Pacific and East Asia | 580131.64 | 1328266.04 | 2122692.82 | 3191919.53 | 3681277.76 | 3824053.89 | 3865814.00 | 3839336.71 | 716180.91 |
| South Asia | ---- | 115801.59 | 190177.73 | 296499.62 | 361970.32 | 391593.81 | 403858.14 | 404572.79 | 434923.38 |
| South East Asia | ---- | ---- | 151662.03 | 264207.77 | 361199.01 | 400836.43 | 417961.86 | 388597.59 | 399557.70 |
| South Pacific | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| EUROPE | ---- | ---- | 5515613.36 | 5813357.76 | 5941469.37 | 6076030.58 | 6249854.37 | 6399005.62 | ---- |
| Central Europe | ---- | ---- | 300074.22 | 318824.03 | 340341.39 | 357405.44 | 363774.58 | 364559.35 | ---- |
| Eastern Europe | ---- | ---- | ---- | 246340.04 | 253583.34 | 267351.90 | 264537.93 | 255087.79 | ---- |
| Western Europe | 1942041.36 | 2937508.45 | 3938394.61 | 4933996.22 | 5248193.69 | 5347544.63 | 5451273.24 | 5621541.86 | 5779358.48 |
| LATIN AMERICA AND CARIBBEAN | 249549.86 | 458862.94 | 791590.60 | 899683.59 | 1081795.23 | 1124475.83 | 1177143.06 | 1207177.07 | 1190912.42 |
| Caribbean | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Meso-America | 56471.90 | 103038.20 | 178013.15 | 211327.27 | 229367.34 | 234864.35 | 249519.05 | 262963.06 | 273321.98 |
| South America | 188887.65 | 346745.68 | 597974.10 | 670010.35 | 832119.28 | 868058.44 | 906555.11 | 922167.85 | 893942.03 |
| NORTH AMERICA | 1606563.74 | 2420373.75 | 3351679.60 | 4679120.52 | 5289730.93 | 5456061.27 | 5653282.62 | 5912721.00 | ---- |
| North America | 1606563.74 | 2420373.75 | 3351679.60 | 4679120.52 | 5289730.93 | 5456061.27 | 5653282.62 | 5912721.00 | ---- |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arabian Peninsula | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Mashriq | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GLOBAL TOTALS | ---- | ---- | 11146939.37 | 15386709.01 | 17196012.59 | 17775679.00 | 18255175.65 | 18673787.30 | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 4722592.84 | 7879723.58 | 11513911.84 | 15836640.18 | 17761709.33 | 18366634.92 | 18872950.33 | 19317800.30 | ---- |

Comments:

Household final consumption expenditure (private consumption) is the market value of all goods and services, including durable products (such as cars, washing machines, and home computers), purchased by households. It excludes purchases of dwellings but includes imputed rent for owner-occupied dwellings. It also includes payments and fees to governments to obtain permits and licenses. Here, household consumption expenditure includes the expenditures of nonprofit institutions serving households, even when reported separately by the country.

Data sources: the national accounts indicators for most developing countries are collected from national statistical organizations and central banks by visiting and resident World Bank missions. Data for high-income economies come from Organisation for Economic Co-operation and Development (OECD) data files (see the OECD's National Accounts, 1988–1998, volumes 1 and 2). The United Nations Statistics Division publishes detailed national accounts for United Nations member countries in National Accounts Statistics: main aggregates and detailed tables and publishes updates in the Monthly Bulletin of Statistics.

1.1.8 Technological Hazards

According to the Centre for Research on the Epidemiology of Disasters (CRED) and the definition considered in "EM-DAT: the OFDA/CRED Disaster Database", a disaster is a situation or event, which overwhelms local capacity, necessitating a request to national or international level for external assistance; an unforeseen and often sudden event that causes great damage, destruction and human suffering. Though often caused by nature, disasters can have human origins. Wars and civil disturbances that destroy homelands and displace people are included among the causes of disasters. Other causes can be: building collapse, blizzard, drought, epidemic, earthquake, explosion, fire, flood, hazardous material or transportation incident (such as a chemical spill), hurricane, nuclear incident, tornado, or volcano.

Industrial accident: disaster type term used in EM-DAT to describe technological accidents of an industrial nature/involving industrial buildings (e.g. factories). It comprises of a number of disaster subsets: "chemical spill/leak"; "explosions"; "radiation leakages"; "collapses"; "gas leaks" from industrial sites; "poisoning"; "fires"; and other technological accidents involving industrial sites.

- "Chemical spill": accident release occurring during the production, transportation or handling of hazardous chemical substances.
- "Explosions": explosions involving buildings or structures. Can either involve industrial structures or domestic/non-industrial structures.
- "Collapse": accident involving the collapse of building or structure. Can either involve industrial structures or domestic/non-industrial structures.
- "Poisoning": poisoning of atmosphere or water courses due to industrial sources.
- "Urban fire": urban fire involving buildings or structures. Can either involve industrial structures or domestic/non-industrial structures.

Industrial Accident - Affected People

Units: number of people

Data Source: EM-DAT: the OFDA/CRED International Disaster Database (data as of July 2001)

Data Provider: The OFDA/CRED International Disaster Database - www.cred.be/emdat - Université Catholique de Louvain - Brussels - Belgium

Years: 1980-2000

| | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| AFRICA | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0 |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0 |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0 |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0 |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | 4500 | 2000 | 18644 | 600 | 1600 | 200 | 25500 | 2033 | 101000 | 0 | 500 | 14359 |
| Australia and New Zealand | 1500 | 2000 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Asia | --- | --- | --- | --- | 1600 | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | 0 | 3644 | --- | --- | 200 | 0 | --- | --- | 0 | 0 | 14159 |
| South Asia | --- | --- | 0 | 600 | --- | 0 | 25000 | --- | 101000 | --- | 500 | 0 |
| South East Asia | 3000 | --- | 15000 | --- | --- | 0 | 500 | 2033 | --- | --- | 0 | 200 |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | 10000 | --- | 3000 | 150 | --- | 5175 | 200 | 400 | 1000 | 46000 | 809 | --- |
| Central Europe | --- | --- | --- | --- | --- | 175 | --- | 200 | --- | --- | --- | --- |
| Eastern Europe | --- | --- | 150 | --- | --- | --- | --- | --- | --- | 109 | --- | --- |
| Western Europe | 10000 | --- | 3000 | --- | --- | 5000 | 200 | 200 | 1000 | 46000 | 700 | --- |
| LATIN AMERICA AND CARIBBEAN | --- | --- | 30500 | --- | --- | 0 | 200 | --- | --- | 10000 | 1166 | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | --- | 30500 | --- | --- | --- | --- | --- | --- | 10000 | 1166 | --- |
| South America | --- | --- | --- | --- | --- | 0 | 200 | --- | --- | 0 | --- | --- |
| NORTH AMERICA | 42100 | 4000 | 16000 | --- | --- | 9230 | 200 | 1200 | 6000 | 4000 | --- | --- |
| North America | 42100 | 4000 | 16000 | --- | --- | 9230 | 200 | 1200 | 6000 | 4000 | --- | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0 | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0 | --- |
| GLOBAL TOTALS | 56600 | 6000 | 68144 | 750 | 1600 | 14605 | 26100 | 3633 | 108000 | 60000 | 2475 | 14359 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 56600 | 56600 | 56600 | 56600 | 56600 | 56600 | 56600 | 56600 | 56600 | 56600 | 56600 | 56600 |

Comments:

Affected: people requiring immediate assistance during a period of emergency, for example requiring basic survival needs such as food, water, shelter, sanitation and immediate medical assistance (definition considered in EM-DAT; included in the field "total affected").

Appearance of a significant number of cases of an infectious disease introduced in a region or a population that is usually free from that disease. (100 or more people affected).

Industrial Accident - Homeless People

Units: number of people

Data Source: EM-DAT: the OFDA/CRED International Disaster Database (data as of July 2001)

Data Provider: The OFDA/CRED International Disaster Database - www.cred.be/emdat - Université Catholique de Louvain - Brussels - Belgium

Years: 1980-2000

| | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------|------|------|-------|------|------|------|------|------|------|------|------|
| AFRICA | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 100 |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0 |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0 |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 100 |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | 0 | 5000 | --- | --- | 0 | 0 | 0 | --- | 0 | 0 | 0 |
| Australia and New Zealand | --- | 0 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | 0 | 0 | --- | --- | 0 | --- | --- | 0 | 0 | 0 | 0 |
| South Asia | --- | --- | 0 | --- | --- | 0 | --- | --- | --- | 0 | 0 | 0 |
| South East Asia | --- | --- | 5000 | --- | --- | 0 | --- | 0 | --- | 0 | 0 | 0 |
| South Pacific | --- | --- | --- | --- | --- | 0 | --- | --- | --- | --- | --- | --- |
| EUROPE | 0 | --- | 1400 | --- | --- | 3000 | --- | 1 | --- | --- | 0 | --- |
| Central Europe | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Europe | --- | --- | --- | --- | --- | 3000 | --- | --- | --- | 0 | --- | --- |
| Western Europe | 0 | --- | 1400 | --- | --- | 0 | --- | 1 | --- | 0 | --- | --- |
| LATIN AMERICA AND CARIBBEAN | --- | --- | 1600 | 15000 | --- | 0 | --- | --- | --- | 900 | 0 | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | --- | 1600 | 15000 | --- | --- | --- | --- | --- | 0 | --- | --- |
| South America | --- | --- | --- | --- | --- | 0 | --- | --- | 900 | --- | --- | --- |
| NORTH AMERICA | --- | --- | --- | --- | 300 | --- | --- | --- | --- | --- | --- | --- |
| North America | --- | --- | --- | --- | 300 | --- | --- | --- | --- | --- | --- | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0 | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0 | --- | --- |
| GLOBAL TOTALS | 0 | 0 | 8000 | 15000 | --- | 3300 | 0 | 1 | --- | 900 | 0 | 100 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Comments:

Homeless: people needing immediate assistance in the form of shelter (included in the field "total affected").

They are always part of the affected population. Reporting from the field should give the number of individuals that are homeless; if only the number of families or houses is reported, the figure is multiplied by the average family size for the affected area (x5 for the developing countries, x3 for the industrialised countries, according to UNDP country list). (100 or more people homeless).

Industrial Accident - Injured People

Units: number of people

Data Source: EM-DAT: the OFDA/CRED International Disaster Database (data as of July 2001)

Data Provider: The OFDA/CRED International Disaster Database - www.cred.be/emdat - Université Catholique de Louvain - Brussels - Belgium

Years: 1980-2000

| | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------|------|------|------|------|------|------|-------|------|------|------|------|
| AFRICA | --- | --- | 233 | 400 | --- | --- | --- | --- | 2000 | 200 | --- | 92 |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | 200 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | 2000 | --- | --- | 38 |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0 |
| Western Africa | --- | --- | 33 | 400 | --- | --- | --- | --- | --- | 200 | --- | 54 |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | 550 | 297 | 1179 | 295 | 2972 | 686 | 277 | 10547 | 297 | 1419 | 347 | 2060 |
| Australia and New Zealand | --- | 0 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | 600 | --- | --- | --- |
| North West Pacific and East Asia | --- | 100 | 726 | 51 | 1737 | 259 | 17 | 10370 | 217 | 763 | 83 | 1503 |
| South Asia | --- | 100 | 260 | 124 | 633 | 342 | 210 | 160 | 80 | 56 | 157 | 458 |
| South East Asia | 550 | 97 | 193 | 120 | 602 | 25 | 50 | 17 | --- | --- | 107 | 99 |
| South Pacific | --- | --- | --- | --- | --- | 60 | --- | --- | --- | --- | --- | --- |
| EUROPE | 12 | 110 | 7 | 64 | 37 | 144 | 287 | 210 | 933 | 185 | 10 | --- |
| Central Europe | --- | --- | --- | 64 | 3 | --- | 222 | --- | --- | 137 | --- | --- |
| Eastern Europe | --- | 110 | --- | --- | --- | 17 | --- | 130 | 233 | 48 | 10 | --- |
| Western Europe | 12 | --- | 7 | --- | 34 | 127 | 65 | 80 | 700 | --- | 0 | --- |
| LATIN AMERICA AND CARIBBEAN | --- | --- | 344 | 1754 | 81 | 401 | 300 | 867 | 187 | 165 | 340 | --- |
| Caribbean | --- | --- | --- | 154 | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | --- | 300 | 1600 | --- | --- | --- | 797 | --- | 45 | 340 | --- |
| South America | --- | --- | 44 | --- | 81 | 401 | 300 | 70 | 187 | 120 | --- | --- |
| NORTH AMERICA | 352 | --- | 96 | --- | 3000 | 137 | 105 | 92 | 8 | 12 | --- | --- |
| North America | 352 | --- | 96 | --- | 3000 | 137 | 105 | 92 | 8 | 12 | --- | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | 100 | --- | --- | 100 | --- | --- | 20 | --- |
| Arabian Peninsula | --- | --- | --- | --- | 100 | --- | --- | 100 | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- |
| GLOBAL TOTALS | 914 | 407 | 1859 | 2513 | 6190 | 1368 | 969 | 11816 | 3425 | 1981 | 717 | 2152 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 914 | 914 | 914 | 914 | 914 | 914 | 914 | 914 | 914 | 914 | 914 | 914 |

Comments:

Injured: people suffering from physical injuries, trauma or an illness requiring medical treatment as a direct result of a disaster (included in the field "total affected").

The number of injured is entered when the term "injured" is written in the source. Injured people are always part of the affected population. Any related word like "hospitalised" is considered as injured. If there is no precise number like "hundreds of injured", 200 injured will be entered (although it is probably underestimated). (100 or more people injured).

Industrial Accident - Killed People

Units: number of people

Data Source: EM-DAT: the OFDA/CRED International Disaster Database (data as of July 2001)

Data Provider: The OFDA/CRED International Disaster Database - www.cred.be/emdat - Université Catholique de Louvain - Brussels - Belgium

Years: 1980-2000

| | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| AFRICA | --- | 109 | 114 | 225 | 73 | --- | 118 | --- | 0 | 1162 | 34 | 700 |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | 100 | --- | 20 | --- | 0 | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | 25 | --- | --- | --- | --- | 0 | --- | --- | 19 |
| Southern Africa | --- | --- | --- | --- | 53 | --- | 104 | --- | --- | --- | 19 | 11 |
| Western Africa | --- | 109 | 14 | 200 | --- | --- | 14 | --- | --- | 1162 | 15 | 670 |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | 91 | 462 | 1203 | 490 | 1007 | 630 | 285 | 584 | 797 | 543 | 569 | 820 |
| Australia and New Zealand | 0 | 0 | --- | --- | --- | 11 | --- | --- | --- | --- | --- | --- |
| Central Asia | --- | --- | --- | --- | 30 | --- | --- | --- | 4 | --- | --- | --- |
| North West Pacific and East Asia | --- | 164 | 474 | 124 | 666 | 259 | 124 | 381 | 584 | 490 | 371 | 761 |
| South Asia | 50 | 235 | 283 | 341 | 46 | 234 | 127 | 191 | 185 | 24 | 94 | 58 |
| South East Asia | 41 | 63 | 446 | 25 | 265 | 115 | 34 | 12 | 28 | 25 | 104 | 1 |
| South Pacific | --- | --- | --- | --- | --- | 11 | --- | --- | --- | --- | --- | --- |
| EUROPE | 271 | 281 | 148 | 431 | 70 | 71 | 97 | 20 | 114 | 165 | 49 | 93 |
| Central Europe | 97 | 281 | 80 | 304 | 50 | 18 | 58 | 0 | --- | 36 | 0 | --- |
| Eastern Europe | --- | --- | 62 | 127 | --- | 53 | 25 | 20 | 91 | 118 | 49 | 93 |
| Western Europe | 174 | --- | 6 | ---- | 20 | 0 | 14 | 0 | 23 | 11 | 0 | --- |
| LATIN AMERICA AND CARIBBEAN | --- | 33 | 113 | 213 | 94 | 73 | 13 | 18 | 19 | 55 | 63 | --- |
| Caribbean | --- | --- | --- | 13 | --- | --- | --- | --- | 0 | --- | --- | --- |
| Meso-America | --- | 33 | 21 | 200 | --- | --- | 0 | 6 | --- | 16 | 63 | --- |
| South America | --- | --- | 92 | ---- | 94 | 73 | 13 | 12 | 19 | 39 | --- | --- |
| NORTH AMERICA | 0 | 17 | 25 | 26 | 0 | 5 | 0 | 0 | 25 | 0 | --- | --- |
| North America | 0 | 17 | 25 | 26 | 0 | 5 | 0 | 0 | 25 | 0 | --- | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | 0 | --- | 0 | --- | 0 | 38 | --- | --- | 14 | --- |
| Arabian Peninsula | --- | --- | 0 | --- | 0 | --- | --- | 38 | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | 0 | --- | --- | --- | 14 | --- |
| GLOBAL TOTALS | 362 | 902 | 1603 | 1385 | 1244 | 779 | 513 | 660 | 955 | 1925 | 729 | 1613 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Killed: persons confirmed as dead and persons missing and presumed dead (10 or more people killed).

Industrial Accident - Total Affected People

Units: number of people

Data Source: EM-DAT: the OFDA/CRED International Disaster Database (data as of July 2001)

Data Provider: The OFDA/CRED International Disaster Database - www.cred.be/emdat - Université Catholique de Louvain - Brussels - Belgium

Years: 1980-2000

| | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| AFRICA | --- | --- | 233 | 400 | --- | --- | --- | --- | 2000 | 200 | --- | 192 |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | 200 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | 2000 | --- | --- | 38 |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0 |
| Western Africa | --- | --- | 33 | 400 | --- | --- | --- | --- | --- | 200 | --- | 154 |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | 5050 | 2297 | 24823 | 895 | 4572 | 886 | 25777 | 12580 | 101297 | 1419 | 847 | 16419 |
| Australia and New Zealand | 1500 | 2000 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Asia | --- | --- | --- | --- | 1600 | --- | --- | --- | --- | 600 | --- | --- |
| North West Pacific and East Asia | --- | 100 | 4370 | 51 | 1737 | 459 | 17 | 10370 | 217 | 763 | 83 | 15662 |
| South Asia | --- | 100 | 260 | 724 | 633 | 342 | 25210 | 160 | 101080 | 56 | 657 | 458 |
| South East Asia | 3550 | 97 | 20193 | 120 | 602 | 25 | 550 | 2050 | --- | --- | 107 | 299 |
| South Pacific | --- | --- | --- | --- | --- | 60 | --- | --- | --- | --- | --- | --- |
| EUROPE | 10012 | 110 | 4207 | 214 | 37 | 8319 | 487 | 611 | 1933 | 46185 | 819 | --- |
| Central Europe | --- | 0 | --- | 64 | 3 | 175 | 222 | 200 | --- | 137 | --- | --- |
| Eastern Europe | --- | 110 | --- | 150 | --- | 3017 | --- | 130 | 233 | 48 | 119 | --- |
| Western Europe | 10012 | 0 | 4207 | --- | 34 | 5127 | 265 | 281 | 1700 | 46000 | 700 | --- |
| LATIN AMERICA AND CARIBBEAN | --- | 0 | 32444 | 16754 | 81 | 401 | 500 | 867 | 187 | 11065 | 1506 | --- |
| Caribbean | --- | --- | --- | 154 | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | 0 | 32400 | 16600 | --- | --- | --- | 797 | --- | 10045 | 1506 | --- |
| South America | --- | --- | 44 | --- | 81 | 401 | 500 | 70 | 187 | 1020 | --- | --- |
| NORTH AMERICA | 42452 | 4000 | 16096 | --- | 3000 | 9667 | 305 | 1292 | 6008 | 4012 | --- | --- |
| North America | 42452 | 4000 | 16096 | --- | 3000 | 9667 | 305 | 1292 | 6008 | 4012 | --- | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | 100 | --- | --- | 100 | --- | --- | 20 | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | 100 | --- | --- | 100 | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- |
| GLOBAL TOTALS | 57514 | 6407 | 77803 | 18263 | 7790 | 19273 | 27069 | 15450 | 111425 | 62881 | 3192 | 16611 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Total affected: in EM-DAT, people that have been injured, affected and left homeless after a disaster are included in this category.

Transport Accident - Affected People

Units: number of people

Data Source: EM-DAT: the OFDA/CRED International Disaster Database (data as of July 2001)

Data Provider: The OFDA/CRED International Disaster Database - www.cred.be/emdat - Université Catholique de Louvain - Brussels - Belgium

Years: 1980-2000

| | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | --- | --- | --- | 0 | --- | 71 | 0 | --- | --- | --- | 0 | 6 |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0 | 6 |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0 |
| Northern Africa | --- | --- | --- | 0 | --- | 0 | --- | --- | --- | --- | --- | --- |
| Southern Africa | --- | --- | --- | --- | --- | 0 | 0 | --- | --- | --- | --- | 0 |
| Western Africa | --- | --- | --- | --- | --- | 0 | --- | --- | --- | --- | 0 | 0 |
| Western Indian Ocean | --- | --- | --- | --- | 71 | --- | --- | --- | --- | --- | 0 | 0 |
| ASIA AND PACIFIC | --- | --- | 631 | 50000 | 0 | 0 | 0 | 28 | 0 | 550 | 0 | 106 |
| Australia and New Zealand | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Asia | --- | --- | 30 | --- | 0 | 0 | --- | --- | --- | 0 | 0 | 0 |
| North West Pacific and East Asia | --- | --- | --- | 0 | --- | 0 | --- | --- | 550 | 0 | 0 | 0 |
| South Asia | --- | --- | 580 | 50000 | --- | 0 | --- | --- | --- | 0 | 0 | 106 |
| South East Asia | --- | --- | --- | 0 | 0 | 0 | 28 | 0 | 0 | 0 | 0 | 0 |
| South Pacific | --- | --- | 21 | --- | --- | 0 | --- | --- | --- | --- | --- | 0 |
| EUROPE | --- | 281 | 0 | 0 | --- | 140 | --- | --- | 0 | 0 | 0 | 0 |
| Central Europe | --- | --- | 0 | --- | 140 | --- | --- | --- | --- | 0 | 0 | 0 |
| Eastern Europe | --- | 0 | --- | --- | 0 | --- | --- | --- | --- | 0 | 0 | 0 |
| Western Europe | --- | 281 | --- | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 |
| LATIN AMERICA AND CARIBBEAN | --- | 0 | --- | --- | 0 | --- | 100 | --- | --- | 0 | 54 | --- |
| Caribbean | --- | --- | --- | --- | 0 | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | --- | --- | --- | 0 | --- | --- | --- | --- | 0 | 0 | 0 |
| South America | --- | 0 | --- | --- | 0 | --- | 100 | --- | --- | 0 | 54 | --- |
| NORTH AMERICA | --- | 185 | --- | --- | 0 | 0 | --- | --- | --- | 0 | 2500 | --- |
| North America | --- | 185 | --- | --- | 0 | 0 | --- | --- | --- | 0 | 2500 | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0 |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0 | 0 |
| WEST ASIA | --- | 24 | --- | --- | --- | --- | 50 | --- | --- | 0 | --- | --- |
| Arabian Peninsula | --- | 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | 50 | --- | --- | 0 | --- | --- |
| GLOBAL TOTALS | --- | 466 | 655 | 50000 | 0 | 211 | 0 | 178 | 0 | 550 | 0 | 2666 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Transport accident: disaster type term used in EM-DAT to describe technological transport accidents involving mechanised modes of transport. It comprises of four disaster subsets: accidents involving aeroplanes, helicopters, airships and balloons "transport air"; accidents involving sailing boats, ferries, cruise ships, other boats "transport boat"; accidents involving trains "transport rail"; and accidents involving motor vehicles on roads and tracks "transport road".

Affected: people requiring immediate assistance during a period of emergency, i.e. requiring basic survival needs such as food, water, shelter, sanitation and immediate medical assistance (definition considered in EM-DAT; included in the field "total affected"); appearance of a significant number of cases of an infectious disease introduced in a region or a population that is usually free from that disease. (100 or more people affected).

Transport Accident - Injured People

Units: number of people

Data Source: EM-DAT: the OFDA/CRED International Disaster Database (data as of July 2001)

Data Provider: The OFDA/CRED International Disaster Database - www.cred.be/emdat - Université Catholique de Louvain - Brussels - Belgium

Years: 1980-2000

| | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| AFRICA | --- | 1 | 151 | 189 | 339 | 354 | 300 | 780 | 146 | 339 | 991 | 1205 |
| Central Africa | --- | --- | --- | 57 | --- | 8 | --- | --- | 51 | 3 | 24 | 458 |
| Eastern Africa | --- | --- | 50 | --- | --- | --- | 4 | 500 | --- | 61 | --- | 128 |
| Northern Africa | --- | 1 | 43 | 36 | --- | 16 | --- | 18 | --- | --- | --- | --- |
| Southern Africa | --- | --- | 42 | --- | 117 | 13 | --- | --- | --- | --- | --- | 68 |
| Western Africa | --- | --- | 18 | 40 | 231 | 201 | 168 | 172 | 95 | 174 | 491 | 246 |
| Western Indian Ocean | --- | 40 | 14 | 108 | 12 | 115 | 90 | --- | 101 | 476 | 305 | |
| ASIA AND PACIFIC | 1122 | 902 | 1533 | 688 | 1428 | 1438 | 1922 | 1161 | 1988 | 1958 | 2711 | 1576 |
| Australia and New Zealand | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Asia | --- | 88 | 36 | 32 | 206 | 101 | 225 | 53 | 366 | 389 | 463 | 368 |
| North West Pacific and East Asia | 1122 | --- | 88 | 39 | 221 | 213 | 105 | 18 | 339 | 71 | 64 | 107 |
| South Asia | --- | --- | 111 | 83 | 123 | 528 | 79 | 199 | 79 | 579 | 296 | 298 |
| South East Asia | --- | 800 | 543 | 384 | 660 | 561 | 1512 | 683 | 1184 | 909 | 1888 | 706 |
| South Pacific | --- | 14 | 755 | 150 | 218 | 35 | 1 | 208 | 20 | 10 | --- | 97 |
| EUROPE | 227 | 244 | 578 | 497 | 332 | 351 | 260 | 255 | 540 | 418 | 459 | 260 |
| Central Europe | 127 | 39 | 373 | 25 | 19 | 140 | 24 | 20 | 172 | --- | 245 | 12 |
| Eastern Europe | --- | --- | 59 | 34 | 116 | 211 | 4 | 50 | 61 | 103 | 74 | 75 |
| Western Europe | 100 | 205 | 146 | 438 | 197 | --- | 232 | 185 | 307 | 315 | 140 | 173 |
| LATIN AMERICA AND CARIBBEAN | --- | 20 | 345 | 145 | 195 | 290 | 175 | 173 | 248 | 256 | 411 | 444 |
| Caribbean | --- | --- | 200 | --- | --- | 156 | 1 | --- | 71 | 133 | --- | --- |
| Meso-America | --- | --- | 80 | --- | 30 | 60 | 65 | 28 | --- | --- | 166 | 58 |
| South America | --- | 20 | 65 | 145 | 165 | 74 | 109 | 145 | 177 | 123 | 245 | 386 |
| NORTH AMERICA | 11 | 336 | 155 | 24 | 156 | 512 | 216 | 311 | 121 | --- | 484 | 0 |
| North America | 11 | 336 | 155 | 24 | 156 | 512 | 216 | 311 | 121 | --- | 484 | 0 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 4 |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 4 |
| WEST ASIA | --- | --- | --- | --- | 39 | --- | 10 | --- | --- | 51 | --- | |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | 39 | --- | 10 | --- | --- | 51 | --- | |
| GLOBAL TOTALS | 1360 | 1503 | 2762 | 1543 | 2450 | 2984 | 2873 | 2690 | 3043 | 2971 | 5115 | 3491 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Transport accident: disaster type term used in EM-DAT to describe technological transport accidents involving mechanised modes of transport. It comprises of four disaster subsets: accidents involving aeroplanes, helicopters, airships and balloons "transport air"; accidents involving sailing boats, ferries, cruise ships, other boats "transport boat"; accidents involving trains "transport rail"; and accidents involving motor vehicles on roads and tracks "transport road".

Injured: people suffering from physical injuries, trauma or an illness requiring medical treatment as a direct result of a disaster (included in the field "total affected"). The number of injured is entered when the term "injured" is written in the source. Injured people are always part of the affected population. Any related word like "hospitalized" is considered as injured. If there is no precise number like "hundreds of injured", 200 injured will be entered (although it is probably underestimated). (100 or more people injured).

Transport Accident - Killed People

Units: number of people

Data Source: EM-DAT: the OFDA/CRED International Disaster Database (data as of July 2001)

Data Provider: The OFDA/CRED International Disaster Database - www.cred.be/emdat - Université Catholique de Louvain - Brussels - Belgium

Years: 1980-2000

| | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | ---- | 435 | 1625 | 1450 | 1225 | 819 | 1267 | 1678 | 587 | 1348 | 1328 | 2729 |
| Central Africa | ---- | 23 | 176 | 541 | 170 | 145 | 96 | 654 | 363 | 587 | 566 | 1521 |
| Eastern Africa | ---- | 67 | 100 | 58 | 367 | --- | 437 | 547 | 46 | 400 | 55 | 134 |
| Northern Africa | ---- | 162 | 95 | 221 | 71 | 24 | --- | 22 | --- | --- | 39 | --- |
| Southern Africa | ---- | 93 | 139 | 101 | 30 | 204 | 401 | 249 | --- | 55 | 78 | 261 |
| Western Africa | ---- | 80 | 641 | 333 | 103 | 134 | 141 | 125 | 142 | 182 | 443 | 532 |
| Western Indian Ocean | ---- | 10 | 474 | 196 | 484 | 312 | 192 | 81 | 36 | 124 | 147 | 281 |
| ASIA AND PACIFIC | 455 | 3440 | 2938 | 2190 | 3145 | 3148 | 2195 | 3327 | 3285 | 3187 | 3797 | 2702 |
| Australia and New Zealand | ---- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Asia | ---- | 628 | 517 | 552 | 411 | 639 | 250 | 169 | 445 | 476 | 663 | 668 |
| North West Pacific and East Asia | 164 | 573 | 376 | 278 | 824 | 553 | 211 | 486 | 624 | 361 | 860 | 512 |
| South Asia | ---- | 76 | 329 | 99 | 150 | 223 | 65 | 1148 | 100 | 265 | 372 | 228 |
| South East Asia | 128 | 1991 | 1515 | 1237 | 1190 | 1399 | 1588 | 1446 | 1858 | 1762 | 1885 | 1170 |
| South Pacific | 163 | 172 | 201 | 24 | 570 | 334 | 81 | 78 | 258 | 323 | 17 | 124 |
| EUROPE | 254 | 517 | 483 | 473 | 254 | 1324 | 264 | 412 | 523 | 291 | 209 | 560 |
| Central Europe | 80 | 16 | 23 | 88 | 27 | 1053 | 154 | 68 | 53 | 10 | 31 | 42 |
| Eastern Europe | ---- | 20 | 124 | 74 | 135 | 196 | 25 | 41 | 111 | 112 | 63 | 90 |
| Western Europe | 174 | 481 | 336 | 311 | 92 | 75 | 85 | 303 | 359 | 169 | 115 | 428 |
| LATIN AMERICA AND CARIBBEAN | ---- | 753 | 837 | 787 | 2216 | 414 | 632 | 970 | 852 | 508 | 717 | 595 |
| Caribbean | ---- | 60 | 190 | 483 | 1800 | 108 | 71 | 339 | 593 | 115 | 13 | 45 |
| Meso-America | ---- | 206 | 104 | 47 | 54 | 57 | 141 | 90 | 58 | 16 | 340 | 149 |
| South America | ---- | 487 | 543 | 257 | 362 | 249 | 420 | 541 | 201 | 377 | 364 | 401 |
| NORTH AMERICA | 22 | 112 | 156 | 59 | 101 | 321 | 43 | 364 | 72 | 262 | 350 | 107 |
| North America | 22 | 112 | 156 | 59 | 101 | 321 | 43 | 364 | 72 | 262 | 350 | 107 |
| POLAR | ---- | --- | --- | 147 | --- | --- | 131 | --- | --- | 180 | --- | 14 |
| Antarctic | ---- | 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 143 |
| Arctic | ---- | --- | --- | 147 | --- | --- | 131 | --- | --- | 180 | --- | 14 |
| WEST ASIA | ---- | 47 | 60 | --- | --- | 40 | 15 | 37 | --- | --- | 33 | 163 |
| Arabian Peninsula | ---- | --- | 33 | --- | --- | 28 | 15 | 19 | --- | --- | 21 | --- |
| Mashriq | ---- | 47 | 27 | --- | --- | 12 | --- | 18 | --- | --- | 12 | 163 |
| GLOBAL TOTALS | 1032 | 5314 | 6458 | 5106 | 6941 | 6066 | 4547 | 6818 | 5319 | 5776 | 6458 | 7061 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Transport accident: disaster type term used in EM-DAT to describe technological transport accidents involving mechanised modes of transport. It comprises of four disaster subsets: accidents involving aeroplanes, helicopters, airships and balloons "transport air"; accidents involving sailing boats, ferries, cruise ships, other boats "transport boat"; accidents involving trains "transport rail"; and accidents involving motor vehicles on roads and tracks "transport road".

Killed: persons confirmed as dead and persons missing and presumed dead (10 or more people killed).

Transport Accident - Total Affected People

Units: number of people

Data Source: EM-DAT: the OFDA/CRED International Disaster Database (data as of July 2001)

Data Provider: The OFDA/CRED International Disaster Database - www.cred.be/emdat - Université Catholique de Louvain - Brussels - Belgium

Years: 1980-2000

| | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------|------|------|------|------|------|------|------|------|------|------|------|
| AFRICA | --- | 1 | 151 | 190 | 339 | 425 | 300 | 780 | 146 | 339 | 991 | 1211 |
| Central Africa | --- | --- | --- | 58 | --- | 8 | --- | --- | 51 | 3 | 24 | 464 |
| Eastern Africa | --- | 0 | 50 | --- | --- | --- | 4 | 500 | --- | 61 | --- | 128 |
| Northern Africa | --- | 1 | 43 | 36 | --- | 16 | --- | 18 | --- | --- | --- | --- |
| Southern Africa | --- | 0 | --- | 42 | --- | 117 | 13 | --- | --- | --- | --- | 68 |
| Western Africa | --- | 0 | 18 | 40 | 231 | 201 | 168 | 172 | 95 | 174 | 491 | 246 |
| Western Indian Ocean | --- | 0 | 40 | 14 | 108 | 83 | 115 | 90 | --- | 101 | 476 | 305 |
| ASIA AND PACIFIC | 1122 | 902 | 2164 | 688 | 1428 | 1438 | 1922 | 1189 | 1988 | 2508 | 2711 | 1682 |
| Australia and New Zealand | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Asia | --- | 88 | 66 | 32 | 206 | 101 | 225 | 53 | 366 | 389 | 463 | 368 |
| North West Pacific and East Asia | 1122 | 0 | 88 | 39 | 221 | 213 | 105 | 18 | 339 | 621 | 64 | 107 |
| South Asia | --- | 0 | 691 | 83 | 123 | 528 | 79 | 199 | 79 | 579 | 296 | 404 |
| South East Asia | --- | 800 | 543 | 384 | 660 | 561 | 1512 | 711 | 1184 | 909 | 1888 | 706 |
| South Pacific | --- | 14 | 776 | 150 | 218 | 35 | 1 | 208 | 20 | 10 | --- | 97 |
| EUROPE | 227 | 525 | 580 | 497 | 332 | 491 | 260 | 255 | 540 | 418 | 459 | 260 |
| Central Europe | 127 | 39 | 375 | 25 | 19 | 280 | 24 | 20 | 172 | --- | 245 | 12 |
| Eastern Europe | --- | --- | 59 | 34 | 116 | 211 | 4 | 50 | 61 | 103 | 74 | 75 |
| Western Europe | 100 | 486 | 146 | 438 | 197 | --- | 232 | 185 | 307 | 315 | 140 | 173 |
| LATIN AMERICA AND CARIBBEAN | --- | 20 | 345 | 145 | 195 | 290 | 175 | 283 | 248 | 256 | 411 | 498 |
| Caribbean | --- | 0 | 200 | --- | --- | 156 | 1 | --- | 71 | 133 | --- | --- |
| Meso-America | --- | 0 | 80 | --- | 30 | 60 | 65 | 28 | --- | --- | 166 | 58 |
| South America | --- | 20 | 65 | 145 | 165 | 74 | 109 | 255 | 177 | 123 | 245 | 440 |
| NORTH AMERICA | 11 | 521 | 155 | 24 | 156 | 512 | 216 | 311 | 121 | --- | 484 | 2500 |
| North America | 11 | 521 | 155 | 24 | 156 | 512 | 216 | 311 | 121 | --- | 484 | 2500 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 4 |
| Antarctic | --- | 0 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 4 |
| WEST ASIA | --- | 0 | 24 | --- | --- | 39 | --- | 60 | --- | --- | 51 | --- |
| Arabian Peninsula | --- | --- | 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | --- | 0 | --- | --- | --- | 39 | --- | 60 | --- | --- | 51 | --- |
| GLOBAL TOTALS | 1360 | 1969 | 3419 | 1544 | 2450 | 3195 | 2873 | 2878 | 3043 | 3521 | 5115 | 6157 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Transport accident: disaster type term used in EM-DAT to describe technological transport accidents involving mechanised modes of transport. It comprises of four disaster subsets: accidents involving aeroplanes, helicopters, airships and balloons "transport air"; accidents involving sailing boats, ferries, cruise ships, other boats "transport boat"; accidents involving trains "transport rail"; and accidents involving motor vehicles on roads and tracks "transport road".

Total affected: in EM-DAT, people that have been injured, affected and left homeless after a disaster are included in this category.

1.1.9 Tourism

International Tourism – Arrivals

Units: thousand people

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1980-1999

| | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| AFRICA | 8701.68 | 17309.71 | 18228.43 | 20853.14 | 20590.86 | 21064.57 | 22796.29 | 25043.00 | 26584.00 | 27841.00 | ---- |
| Central Africa | 189.00 | 305.00 | 310.00 | 280.00 | 309.00 | 314.00 | 336.00 | 358.00 | 387.00 | 428.00 | ---- |
| Eastern Africa | 561.00 | 1166.00 | 1163.00 | 1265.00 | 1333.00 | 1469.00 | 1568.00 | 1714.00 | 1701.00 | 1422.00 | ---- |
| Northern Africa | 5352.00 | 10905.00 | 10797.00 | 12131.00 | 11202.00 | 10572.00 | 10233.00 | 10856.00 | 11707.00 | 11922.00 | 13979.00 |
| Southern Africa | 1578.00 | 3081.00 | 4159.00 | 5234.00 | 5862.00 | 6727.00 | 8106.00 | 9125.00 | 9807.00 | 10799.00 | 11534.68 |
| Western Africa | 819.68 | 1395.71 | 1356.43 | 1436.14 | 1314.86 | 1378.57 | 1912.29 | 2265.00 | 2189.00 | 2436.00 | ---- |
| Western Indian Ocean | 202.00 | 457.00 | 443.00 | 507.00 | 570.00 | 604.00 | 641.00 | 725.00 | 793.00 | 834.00 | 865.00 |
| ASIA AND PACIFIC | 22323.51 | 55778.00 | 57795.00 | 65894.00 | 72807.00 | 78561.00 | 84017.00 | 91994.00 | 91760.00 | 91427.00 | 100548.33 |
| Australia and New Zealand | 1370.00 | 3191.00 | 3333.00 | 3659.00 | 4153.00 | 4685.00 | 5135.00 | 5694.00 | 5815.00 | 5652.00 | 6066.00 |
| Central Asia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| North West Pacific and East Asia | 9407.29 | 26035.00 | 29298.00 | 34764.00 | 38827.00 | 40265.00 | 41770.00 | 46877.00 | 46348.00 | 47848.00 | 52813.33 |
| South Asia | 2242.00 | 3158.00 | 3258.00 | 3582.00 | 3511.00 | 3866.00 | 4200.00 | 4434.00 | 4834.00 | 5219.00 | 5627.00 |
| South East Asia | 8369.00 | 21469.00 | 20076.00 | 21812.00 | 24205.00 | 27135.00 | 29173.00 | 31042.00 | 30611.00 | 28951.00 | 33293.00 |
| South Pacific | 935.22 | 1925.00 | 1830.00 | 2077.00 | 2061.00 | 2504.00 | 2882.00 | 3003.00 | 3044.00 | 2615.00 | 2680.00 |
| EUROPE | ---- | --- | --- | 302703.50 | 310297.13 | 334456.00 | 337889.00 | 353156.00 | 370386.00 | 382478.00 | 395172.00 |
| Central Europe | ---- | 51880.00 | 54339.00 | 65422.50 | 70054.13 | 78199.00 | 76778.00 | 79768.00 | 79069.00 | 76125.00 | 70362.00 |
| Eastern Europe | ---- | --- | --- | --- | --- | 9724.00 | 13361.00 | 18924.00 | 23742.00 | 22853.00 | 26858.00 |
| Western Europe | 145900.00 | 223098.00 | 221400.00 | 233954.00 | 234212.00 | 246533.00 | 247750.00 | 254464.00 | 267575.00 | 283500.00 | 297952.00 |
| LATIN AMERICA AND CARIBBEAN | 25131.67 | 36500.00 | 36140.00 | 38486.00 | 39262.00 | 41837.00 | 46451.00 | 49172.00 | 48865.00 | 51825.00 | 52196.00 |
| Caribbean | 5868.00 | 9684.00 | 9594.00 | 9995.00 | 10855.00 | 11420.00 | 11812.00 | 12194.00 | 12992.00 | 13529.00 | 13765.00 |
| Meso-America | 13454.67 | 18924.00 | 17992.00 | 19413.00 | 18790.00 | 19580.00 | 22846.00 | 24042.00 | 22353.00 | 22825.00 | 22978.00 |
| South America | 5809.00 | 7892.00 | 8554.00 | 9078.00 | 9617.00 | 10837.00 | 11793.00 | 12936.00 | 13520.00 | 15471.00 | 15453.00 |
| NORTH AMERICA | 35376.00 | 54572.00 | 57586.00 | 62002.00 | 60884.00 | 60725.00 | 60250.00 | 63774.00 | 65388.00 | 65262.00 | 68048.00 |
| North America | 35376.00 | 54572.00 | 57586.00 | 62002.00 | 60884.00 | 60725.00 | 60250.00 | 63774.00 | 65388.00 | 65262.00 | 68048.00 |
| POLAR | ---- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---- |
| Antarctic | ---- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---- |
| Arctic | ---- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---- |
| WEST ASIA | 6088.00 | 6452.00 | 6164.00 | 7474.00 | 8180.00 | 8707.00 | 9425.00 | 9658.00 | 10551.00 | 11847.00 | ---- |
| Arabian Peninsula | 3234.00 | 4570.00 | 4837.00 | 5415.00 | 6277.00 | 6662.00 | 7025.00 | 7250.00 | 7924.00 | 8673.00 | ---- |
| Mashriq | 2854.00 | 1882.00 | 1327.00 | 2059.00 | 1903.00 | 2045.00 | 2400.00 | 2408.00 | 2627.00 | 3174.00 | ---- |
| GLOBAL TOTALS | ---- | 445589.71 | 451652.43 | 497412.65 | 512020.99 | 545350.57 | 560828.29 | 592797.00 | 613534.00 | 630680.00 | 653189.01 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 286130.00 | 461480.00 | 467490.00 | 508960.00 | 523980.00 | 554480.00 | 569860.00 | 601550.00 | 622590.00 | 639910.00 | 668480.00 |

Comments:

International tourism arrivals are the number of visitors who travel to a country other than that where they have their usual residence for a period not exceeding 12 months and whose main purpose in visiting is other than an activity remunerated from within the country visited.

International Tourism – Departures

Units: thousand people

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1980-1998

| | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| AFRICA | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | 3190.32 | 9358.02 | 8945.22 | 8873.00 | 9099.00 | 8637.00 | 8244.00 | 7645.00 | 7533.00 | 7575.80 |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | 141.00 | 137.00 | 157.00 | 162.00 | 171.00 | 177.00 | 187.00 | 197.00 | 209.00 |
| ASIA AND PACIFIC | --- | --- | 43519.00 | 44802.00 | 49651.00 | 55128.00 | 62015.00 | 69892.00 | 71275.00 | 72100.00 |
| Australia and New Zealand | 1601.00 | 2887.00 | 2878.00 | 3027.00 | 3067.00 | 3178.00 | 3439.00 | 3825.00 | 4065.00 | 4327.00 |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | --- | 14657.00 | 16800.00 | 18125.00 | 20504.00 | 23683.00 | 26473.00 | 26752.00 | 27404.00 |
| South Asia | 2007.54 | 3857.00 | 4035.00 | 4064.00 | 4739.00 | 4777.00 | 5522.00 | 6238.00 | 6642.00 | 6932.00 |
| South East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | --- | --- | --- | --- | 302292.60 | 325560.96 | 340437.73 | 356467.32 | 365897.35 | 377784.91 |
| Central Europe | --- | --- | --- | --- | 70192.60 | 77066.96 | 73079.73 | 81955.32 | 87745.35 | 89238.74 |
| Eastern Europe | --- | --- | --- | --- | --- | 15799.00 | 29008.00 | 28380.00 | 22933.00 | 21832.50 |
| Western Europe | 120973.70 | 185541.00 | 194639.00 | 210354.00 | 222886.00 | 232695.00 | 238350.00 | 246132.00 | 255219.00 | 266713.67 |
| LATIN AMERICA AND CARIBBEAN | --- | 16640.00 | 18089.50 | 22170.00 | 22067.00 | 25082.00 | 22409.00 | 24113.00 | 26429.00 | 28491.00 |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | 4319.00 | 8882.00 | 9226.00 | 12866.00 | 11674.00 | 13451.00 | 10009.00 | 10741.00 | 10863.00 | 12061.00 |
| South America | --- | 6251.00 | 7284.00 | 7649.00 | 8696.00 | 9858.00 | 10576.00 | 11427.00 | 13555.00 | 14421.00 |
| NORTH AMERICA | 35554.00 | 65038.00 | 63503.00 | 65599.00 | 64972.00 | 64795.00 | 68969.00 | 71284.00 | 72055.00 | 73927.00 |
| North America | 35554.00 | 65038.00 | 63503.00 | 65599.00 | 64972.00 | 64795.00 | 68969.00 | 71284.00 | 72055.00 | 73927.00 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | 2273.40 | 2423.00 | 2075.00 | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | --- | 458110.00 | 468080.00 | 508760.00 | 538400.00 | 569770.00 | 597170.00 | 629240.00 | 648920.00 | 670820.00 |

Comments:

International tourism departures are the number of departures that people make from their country of usual residence to any other country for any purpose other than a remunerated activity in the country visited.

1.1.10 Trade Balance

Exports of Goods and Services

Units: million constant 1995 US\$

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-----------|------------|------------|------------|------------|------------|------------|------------|------------|
| AFRICA | --- | --- | --- | 104922.63 | 126383.19 | 136326.78 | 143414.62 | 146205.06 | 149439.29 |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | 4780.37 | 5141.56 | 5441.65 | 4907.98 | 5098.29 |
| Northern Africa | 12822.23 | 14216.18 | 21034.77 | 35036.19 | 41911.85 | 43098.26 | 45748.73 | 45806.31 | 49006.90 |
| Southern Africa | --- | --- | --- | 36479.26 | 46147.16 | 50302.28 | 52644.35 | 54316.46 | 54587.95 |
| Western Africa | 5295.75 | 13407.24 | 20915.51 | 19997.81 | 23412.03 | 26695.26 | 27421.45 | 28714.46 | 27603.81 |
| Western Indian Ocean | 695.25 | 1518.82 | 1699.59 | 2877.17 | 3449.25 | 3845.34 | 4060.56 | 4393.27 | 4596.41 |
| ASIA AND PACIFIC | --- | 174724.77 | 419495.79 | 788360.82 | 1233172.00 | 1325406.84 | 1495537.66 | 1510294.96 | 1496221.79 |
| Australia and New Zealand | 12796.91 | 25054.05 | 35407.87 | 63141.27 | 91451.87 | 99790.34 | 103580.11 | 105440.91 | --- |
| Central Asia | --- | --- | --- | --- | 15466.50 | 16902.85 | 18151.53 | 18054.70 | 20161.76 |
| North West Pacific and East Asia | --- | 110181.64 | 292156.92 | 545903.76 | 803427.53 | 861664.11 | 1005010.23 | 1021323.75 | 1088257.49 |
| South Asia | --- | 10993.87 | 24480.62 | 50885.77 | 77594.17 | 86311.38 | 86769.09 | 90132.22 | 92414.82 |
| South East Asia | --- | --- | --- | 126989.92 | 241257.11 | 256840.60 | 278630.66 | --- | --- |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | --- | --- | --- | 1986513.44 | 3036201.82 | 3195248.65 | 3512840.43 | 3718383.18 | 3683744.24 |
| Central Europe | --- | --- | --- | 115020.31 | 159245.64 | 177144.90 | 204018.78 | 225950.85 | 226716.46 |
| Eastern Europe | --- | --- | --- | 231980.23 | 130630.20 | 141845.72 | 149070.02 | 141607.44 | 138213.35 |
| Western Europe | 290038.50 | 622675.57 | 1068907.63 | 1639512.91 | 2746325.98 | 2876258.02 | 3159751.64 | 3350824.89 | 3318814.44 |
| LATIN AMERICA AND CARIBBEAN | 26584.25 | 43328.54 | 106643.48 | 179948.06 | 268542.31 | 297035.56 | 320982.18 | 343391.31 | 369104.04 |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | 6426.99 | 12374.64 | 33745.63 | 59290.01 | 101928.30 | 118826.43 | 131468.04 | 146452.47 | 166187.64 |
| South America | 17419.69 | 26771.83 | 66288.26 | 109879.62 | 154855.16 | 166363.32 | 176903.95 | 183511.05 | 189352.34 |
| NORTH AMERICA | 89727.35 | 213350.07 | 423046.72 | 728360.03 | 1038211.94 | 1118194.52 | 1247247.65 | 1291967.23 | --- |
| North America | 89727.35 | 213350.07 | 423046.72 | 728360.03 | 1038211.94 | 1118194.52 | 1247247.65 | 1291967.23 | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | 497856.93 | 1117578.80 | 2135777.02 | 3795214.36 | 5713762.04 | 6083364.16 | 6730932.43 | 7021443.57 | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 750180.00 | 1582700.00 | 2898800.00 | 4811700.00 | 6368800.00 | 6779000.00 | 7485500.00 | 7796600.00 | 8157000.00 |

Comments:

Exports of goods and services represent the value of all goods and other market services provided to the rest of the world. They include the value of merchandise, freight, insurance, transport, travel, royalties, license fees, and other services, such as communication, construction, financial, information, business, personal, and government services. They exclude labor and property income (formerly called factor services) as well as transfer payments.

Data sources: the WTO publishes data on world trade in its Annual Report. Estimates of total exports of goods are also published in the IMF's International Financial Statistics and Direction of Trade Statistics and in the United Nations Statistics Division's Monthly Bulletin of Statistics. The United Nations Conference on Trade and Development (UNCTAD) publishes data on the structure of exports and imports in its Handbook of International Trade and Development Statistics. Tariff line records of exports and imports are compiled in the United Nations Statistics Division's COMTRADE database.

Imports of Goods and Services

Units: million constant 1995 US\$

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-----------|------------|------------|------------|------------|------------|------------|------------|------------|
| AFRICA | --- | --- | --- | 115606.87 | 137990.95 | 143077.37 | 151669.91 | 157471.57 | 162583.43 |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | 7096.49 | 7596.82 | 7924.49 | 8149.50 | 8172.56 |
| Northern Africa | 18295.66 | 19258.18 | 46293.38 | 45679.41 | 49413.82 | 47146.27 | 49603.97 | 53458.92 | 57404.94 |
| Southern Africa | --- | --- | --- | 33482.38 | 47592.22 | 50759.69 | 52966.32 | 53642.89 | 51733.97 |
| Western Africa | 9135.03 | 15263.53 | 41127.52 | 22828.60 | 24909.20 | 26771.94 | 29660.69 | 30075.80 | 33229.85 |
| Western Indian Ocean | 1576.32 | 2370.99 | 2945.97 | 3564.64 | 3871.57 | 4239.08 | 4640.95 | 4827.79 | 5157.10 |
| ASIA AND PACIFIC | ---- | 206201.04 | 417359.02 | 762452.18 | 1188956.15 | 1312286.88 | 1374067.36 | 1234627.37 | 1226894.17 |
| Australia and New Zealand | 16401.35 | 27204.51 | 39853.53 | 65146.56 | 92098.91 | 100692.70 | 109578.96 | 114731.94 | ---- |
| Central Asia | --- | --- | --- | --- | 16438.54 | 21466.14 | 21982.52 | 19681.22 | 18775.08 |
| North West Pacific and East Asia | --- | 130432.35 | 251871.67 | 484015.16 | 716884.30 | 796274.02 | 824306.27 | 751111.60 | 850093.31 |
| South Asia | --- | 22428.35 | 58459.60 | 77317.88 | 93659.69 | 100589.64 | 105606.16 | 103125.75 | 99960.14 |
| South East Asia | --- | --- | --- | 134232.07 | 266728.62 | 289872.45 | 309147.87 | ---- | ---- |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | ---- |
| EUROPE | ---- | ---- | ---- | 2120694.06 | 2895378.49 | 3041771.96 | 3332347.40 | 3603916.46 | 3581606.77 |
| Central Europe | ---- | ---- | ---- | 123786.22 | 173971.33 | 201365.71 | 235953.19 | 260081.76 | 261645.58 |
| Eastern Europe | ---- | ---- | ---- | 320243.04 | 124130.59 | 136571.85 | 151792.22 | 131078.56 | 101174.02 |
| Western Europe | 300517.18 | 676233.49 | 1067580.45 | 1676664.80 | 2597276.57 | 2703834.40 | 2944601.99 | 3212756.15 | 3218787.17 |
| LATIN AMERICA AND CARIBBEAN | 41055.02 | 67094.36 | 161728.61 | 159647.95 | 283863.76 | 312291.83 | 367249.79 | 403770.14 | 388994.66 |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | ---- |
| Meso-America | 14110.96 | 24117.81 | 58713.31 | 67175.96 | 97894.58 | 116060.42 | 140722.55 | 163605.01 | 182717.88 |
| South America | 24477.36 | 37949.10 | 91311.00 | 79478.20 | 173413.82 | 182677.32 | 211853.56 | 224408.17 | 190379.56 |
| NORTH AMERICA | 115917.24 | 268338.73 | 409396.29 | 792097.90 | 1103807.55 | 1193389.10 | 1359680.45 | 1506643.56 | ---- |
| North America | 115917.24 | 268338.73 | 409396.29 | 792097.90 | 1103807.55 | 1193389.10 | 1359680.45 | 1506643.56 | ---- |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arabian Peninsula | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Mashriq | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GLOBAL TOTALS | ---- | ---- | ---- | ---- | 5630036.38 | 6023665.42 | 6606464.43 | 6928635.99 | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 852290.00 | 1828500.00 | 3078900.00 | 4970500.00 | 6268400.00 | 6699200.00 | 7346300.00 | 7696600.00 | 8037100.00 |

Comments:

Imports of goods and services represent the value of all goods and other market services received from the rest of the world. They include the value of merchandise, freight, insurance, transport, travel, royalties, license fees, and other services, such as communication, construction, financial, information, business, personal, and government services. They exclude labor and property income (formerly called factor services) as well as transfer payments.

Data sources: the WTO publishes data on world trade in its Annual Report. Estimates of total exports of goods are also published in the IMF's International Financial Statistics and Direction of Trade Statistics and in the United Nations Statistics Division's Monthly Bulletin of Statistics. The United Nations Conference on Trade and Development (UNCTAD) publishes data on the structure of exports and imports in its Handbook of International Trade and Development Statistics. Tariff line records of exports and imports are compiled in the United Nations Statistics Division's COMTRADE database.

Trade - Percent of GDP

Units: percent of GDP

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|
| AFRICA | ---- | 45.04 | 63.15 | 53.73 | 53.33 | 54.93 | 55.79 | 57.77 | 59.73 | 58.22 | 59.10 | 57.52 | 57.55 |
| Central Africa | 46.54 | 49.54 | 59.24 | 57.16 | 51.87 | 49.64 | 47.54 | 67.29 | 64.06 | 64.71 | 67.99 | 69.42 | 72.42 |
| Eastern Africa | ---- | ---- | ---- | 37.11 | 40.42 | 39.88 | 52.84 | 51.30 | 51.65 | 51.73 | 49.67 | 45.02 | 44.60 |
| Northern Africa | 65.47 | 42.09 | 65.35 | 57.31 | 60.38 | 59.00 | 58.17 | 57.33 | 59.93 | 55.18 | 55.93 | 51.96 | 53.80 |
| Southern Africa | ---- | ---- | 64.56 | 48.28 | 45.96 | 48.86 | 47.86 | 51.75 | 53.94 | 54.86 | 54.76 | 56.41 | 53.51 |
| Western Africa | 35.98 | 37.85 | 55.33 | 62.19 | 59.48 | 65.85 | 72.17 | 71.49 | 73.43 | 71.02 | 74.86 | 69.67 | 72.68 |
| Western Indian Ocean | 39.25 | 52.40 | 72.80 | 91.38 | 89.35 | 85.98 | 87.19 | 91.83 | 93.19 | 96.24 | 99.41 | 102.14 | 103.24 |
| ASIA AND PACIFIC | ---- | 22.07 | 33.75 | 31.19 | 30.21 | 30.43 | 29.85 | 32.04 | 33.88 | 34.67 | 34.64 | 36.10 | 34.53 |
| Australia and New Zealand | 30.28 | 28.03 | 33.07 | 36.47 | 37.34 | 39.82 | 40.44 | 42.01 | 42.03 | 41.58 | 43.24 | 42.76 | ---- |
| Central Asia | ---- | ---- | ---- | ---- | 114.99 | 71.32 | 66.73 | 75.05 | 78.42 | 72.92 | 64.48 | 72.28 | |
| North West Pacific and East Asia | ---- | 20.13 | 29.56 | 23.99 | 22.66 | 22.24 | 20.93 | 22.85 | 24.02 | 25.22 | 27.48 | 27.81 | 27.10 |
| South Asia | ---- | 11.60 | 22.85 | 25.69 | 25.45 | 26.51 | 30.34 | 30.74 | 30.78 | 30.94 | 30.63 | 29.52 | 31.16 |
| South East Asia | 34.01 | 58.88 | 103.76 | 112.40 | 112.98 | 111.18 | 113.90 | 117.22 | 123.89 | 120.82 | 97.39 | 118.67 | ---- |
| South Pacific | ---- | ---- | 99.11 | 86.57 | 65.53 | 63.27 | 63.63 | 66.16 | 68.87 | 67.70 | 66.18 | 68.12 | 65.94 |
| EUROPE | ---- | ---- | 58.14 | 56.74 | 54.23 | 57.17 | 54.67 | 56.25 | 58.98 | 59.64 | 63.27 | 64.60 | 65.66 |
| Central Europe | ---- | ---- | ---- | 61.45 | 61.89 | 63.55 | 62.07 | 64.05 | 67.38 | 70.78 | 76.12 | 76.56 | 76.14 |
| Eastern Europe | ---- | ---- | ---- | 42.53 | 33.12 | 97.88 | 69.52 | 60.27 | 60.98 | 54.63 | 55.47 | 66.35 | 81.18 |
| Western Europe | 42.26 | 46.93 | 58.51 | 57.95 | 55.43 | 54.20 | 53.39 | 55.63 | 58.42 | 59.22 | 62.85 | 63.82 | 64.44 |
| LATIN AMERICA AND CARIBBEAN | 24.80 | 22.68 | 28.58 | 30.26 | 29.52 | 30.86 | 30.99 | 31.35 | 34.57 | 35.46 | 36.06 | 35.18 | 36.65 |
| Caribbean | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Meso-America | 23.29 | 22.09 | 29.59 | 41.39 | 38.57 | 38.90 | 38.30 | 41.92 | 59.43 | 62.95 | 62.08 | 64.87 | 64.48 |
| South America | 21.27 | 18.78 | 23.83 | 23.57 | 23.87 | 25.35 | 25.71 | 25.48 | 25.17 | 25.49 | 26.35 | 25.68 | 27.35 |
| NORTH AMERICA | 9.59 | 13.47 | 23.34 | 23.00 | 22.94 | 23.32 | 23.86 | 25.34 | 27.05 | 27.32 | 28.42 | 28.09 | ---- |
| North America | 9.59 | 13.47 | 23.34 | 23.00 | 22.94 | 23.32 | 23.86 | 25.34 | 27.05 | 27.32 | 28.42 | 28.09 | ---- |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | ---- | ---- | ---- | 90.89 | 93.28 | 93.96 | 90.44 | 86.61 | 90.16 | 92.41 | 91.80 | 84.33 | 70.34 |
| Arabian Peninsula | ---- | ---- | ---- | 90.51 | 94.28 | 95.21 | 91.24 | 86.91 | 91.44 | 93.89 | 94.12 | 85.95 | 68.29 |
| Mashriq | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GLOBAL TOTALS | ---- | 28.58 | 39.57 | 37.68 | 38.09 | 39.31 | 38.17 | 39.65 | 41.83 | 42.23 | 43.70 | 44.37 | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 25.37 | 27.95 | 39.83 | 38.74 | 39.31 | 40.13 | 39.26 | 40.72 | 42.76 | 43.10 | 44.32 | 44.86 | 51.99 |

Comments:

Trade is the sum of exports and imports of goods and services measured as a share of gross domestic product.

The weighting factor, GDP Constant US\$ 1995, is used in the World Development Indicators 2001.

Data sources: the WTO publishes data on world trade in its Annual Report. Estimates of total exports of goods are also published in the IMF's International Financial Statistics and Direction of Trade Statistics and in the United Nations Statistics Division's Monthly Bulletin of Statistics. The United Nations Conference on Trade and Development (UNCTAD) publishes data on the structure of exports and imports in its Handbook of International Trade and Development Statistics. Tariff line records of exports and imports are compiled in the United Nations Statistics Division's COMTRADE database.

1.1.11 Transport and Freight

Passenger Cars

Units: number per thousand people

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1978-1999

| | 1978 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| AFRICA | --- | --- | 16.12 | 16.23 | 15.97 | 16.04 | 16.08 | 16.54 | 16.86 | --- | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | 2.37 | 2.95 | 3.01 | 3.01 | 3.05 | 3.09 | 3.16 | 3.22 | --- | --- | --- |
| Northern Africa | --- | --- | 23.40 | 23.61 | 23.82 | 24.16 | 25.34 | 27.67 | 28.17 | --- | --- | --- |
| Southern Africa | --- | --- | 36.23 | 36.29 | 36.02 | 34.98 | 36.21 | 35.56 | 36.18 | --- | --- | --- |
| Western Africa | --- | --- | 9.29 | 9.39 | 8.42 | 9.02 | 7.25 | 7.43 | 7.75 | --- | --- | --- |
| Western Indian Ocean | 7.69 | --- | 7.14 | 7.53 | 7.90 | 7.90 | 8.78 | 9.02 | 9.38 | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | 19.86 | 20.98 | 22.07 | 23.02 | 24.13 | 25.38 | 26.61 | --- | --- | --- |
| Australia and New Zealand | --- | 404.72 | 447.32 | 447.09 | 450.59 | 453.53 | 458.07 | 473.20 | 477.48 | --- | --- | --- |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | --- | 29.16 | 31.02 | 33.02 | 34.89 | 36.85 | 38.82 | 40.94 | --- | --- | --- |
| South Asia | --- | --- | 3.55 | 4.32 | 4.55 | 4.69 | 4.93 | 5.15 | 5.43 | 5.79 | --- | --- |
| South East Asia | --- | --- | 12.96 | 13.13 | 13.95 | 14.88 | 16.28 | 17.78 | 19.81 | 21.61 | --- | --- |
| South Pacific | --- | --- | --- | --- | --- | 12.92 | 12.67 | 12.41 | 12.18 | --- | --- | --- |
| EUROPE | --- | --- | 218.63 | 226.49 | 232.49 | 237.62 | 252.40 | 258.42 | 266.76 | 275.30 | 276.69 | --- |
| Central Europe | --- | --- | 102.29 | 109.86 | 115.99 | 124.53 | 129.36 | 136.23 | 144.39 | 152.50 | 159.63 | 162.83 |
| Eastern Europe | --- | --- | --- | 64.37 | 68.96 | 74.42 | 81.65 | 88.30 | 97.08 | 105.91 | --- | --- |
| Western Europe | --- | 285.77 | 372.54 | 381.64 | 388.06 | 390.79 | 414.36 | 419.01 | 426.65 | 434.77 | 443.63 | --- |
| LATIN AMERICA AND CARIBBEAN | --- | --- | --- | --- | --- | 72.83 | --- | --- | --- | --- | --- | --- |
| Caribbean | --- | --- | --- | 45.98 | 45.20 | 47.43 | 46.74 | 47.32 | 47.89 | --- | --- | --- |
| Meso-America | --- | 59.67 | 69.37 | 72.03 | 73.56 | 72.27 | 74.10 | 79.39 | 80.66 | 82.30 | 84.90 | 87.69 |
| South America | --- | --- | --- | --- | --- | 75.93 | --- | --- | --- | --- | --- | --- |
| NORTH AMERICA | --- | 524.28 | 562.94 | 556.63 | 492.19 | 488.99 | 487.17 | 481.32 | 479.97 | 475.06 | --- | --- |
| North America | --- | 524.28 | 562.94 | 556.63 | 492.19 | 488.99 | 487.17 | 481.32 | 479.97 | 475.06 | --- | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | 59.17 | 57.58 | 56.33 | 55.24 | 63.68 | 62.42 | 61.53 | --- | --- | --- |
| Arabian Peninsula | --- | 39.94 | 91.13 | 87.89 | 85.32 | 82.80 | 80.51 | 78.22 | 76.25 | --- | --- | --- |
| Mashriq | --- | --- | 30.51 | 30.40 | 30.42 | 30.74 | 48.78 | 48.42 | 48.42 | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | 84.38 | 85.65 | 83.58 | 83.10 | 84.49 | 85.89 | 87.38 | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | --- | --- | 90.68 | 90.72 | 88.60 | 87.18 | 87.77 | 88.93 | 90.24 | --- | --- | --- |

Comments:

Passenger cars refer to road motor vehicles, other than two-wheelers, intended for the carriage of passengers and designed to seat no more than nine people (including the driver).

Data source: the data are from the International Road Federation's (IRF) electronic files and its annual World Road Statistics.

Vehicles per 1000 People

Units: number of vehicles

Data Source: World Development Indicators 2001

Data Provider: The World Bank

Years: 1990-1999

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| AFRICA | 25.86 | 25.96 | 26.00 | 25.90 | 25.56 | 26.50 | 26.57 | ---- | ---- | ---- |
| Central Africa | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Eastern Africa | 3.98 | 4.18 | 4.24 | 4.34 | 4.45 | 4.59 | 4.74 | ---- | ---- | ---- |
| Northern Africa | 37.16 | 37.45 | 37.71 | 37.65 | 39.15 | 41.33 | 41.96 | ---- | ---- | ---- |
| Southern Africa | 51.86 | 52.06 | 51.78 | 50.83 | 51.92 | 51.43 | 51.81 | ---- | ---- | ---- |
| Western Africa | 20.06 | 19.94 | 19.93 | 20.10 | 16.60 | 18.40 | 17.87 | ---- | ---- | ---- |
| Western Indian Ocean | 10.99 | 10.12 | 10.60 | 11.04 | 13.39 | 13.76 | 14.12 | ---- | ---- | ---- |
| ASIA AND PACIFIC | 32.53 | 33.71 | 35.18 | 36.56 | 38.38 | 39.86 | 41.38 | ---- | ---- | ---- |
| Australia and New Zealand | 529.35 | 533.53 | 562.77 | 567.56 | 589.89 | 583.13 | 590.15 | ---- | ---- | ---- |
| Central Asia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| North West Pacific and East Asia | 50.30 | 52.26 | 54.32 | 56.38 | 58.53 | 60.61 | 62.80 | ---- | ---- | ---- |
| South Asia | 5.82 | 6.56 | 6.97 | 7.18 | 7.61 | 8.04 | 8.55 | 9.21 | ---- | ---- |
| South East Asia | 23.69 | 24.14 | 25.89 | 29.12 | 33.91 | 37.57 | 40.93 | 44.27 | 46.28 | ---- |
| South Pacific | ---- | ---- | ---- | 35.97 | 35.26 | 34.29 | 33.62 | ---- | ---- | ---- |
| EUROPE | 251.97 | 258.88 | 267.96 | 271.66 | 286.56 | 294.81 | 304.38 | 314.02 | 323.69 | ---- |
| Central Europe | 122.38 | 130.93 | 138.23 | 146.97 | 151.20 | 160.62 | 169.47 | 177.00 | 186.88 | 191.46 |
| Eastern Europe | 74.12 | 79.41 | 84.29 | 90.20 | 97.80 | 105.05 | 119.13 | 129.18 | 135.76 | 141.93 |
| Western Europe | 423.09 | 430.07 | 442.14 | 441.46 | 465.27 | 472.90 | 479.60 | 489.52 | 500.39 | ---- |
| LATIN AMERICA AND CARIBBEAN | 90.80 | 94.91 | 92.95 | 99.23 | 88.91 | 91.72 | 90.89 | 91.85 | 104.85 | ---- |
| Caribbean | ---- | 74.05 | 71.85 | 74.81 | 64.20 | 66.71 | 68.09 | 64.42 | ---- | ---- |
| Meso America | 97.94 | 106.54 | 105.38 | 109.28 | 111.54 | 115.66 | 118.04 | 120.64 | 124.56 | 128.38 |
| South America | 90.01 | 92.90 | 90.62 | 98.16 | 83.03 | 85.34 | 82.97 | 83.75 | 84.92 | ---- |
| NORTH AMERICA | 742.68 | 731.47 | 726.88 | 729.93 | 737.22 | 737.49 | 745.60 | 741.59 | 745.96 | ---- |
| North America | 742.68 | 731.47 | 726.88 | 729.93 | 737.22 | 737.49 | 745.60 | 741.59 | 745.96 | ---- |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | 91.38 | 88.76 | 87.14 | 85.62 | 94.10 | 92.77 | 91.77 | ---- | ---- | ---- |
| Arabian Peninsula | 142.14 | 136.95 | 133.65 | 130.15 | 126.85 | 123.60 | 120.88 | ---- | ---- | ---- |
| Mashriq | 45.86 | 45.52 | 45.57 | 46.03 | 65.10 | 65.46 | 65.84 | ---- | ---- | ---- |
| GLOBAL TOTALS | 109.00 | 109.88 | 111.11 | 112.59 | 114.87 | 116.73 | 118.76 | ---- | ---- | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 117.58 | 115.55 | 117.26 | 116.29 | 118.12 | 120.26 | 122.27 | ---- | ---- | ---- |

Comments:

Vehicles include cars, buses, and freight vehicles but do not include two-wheelers.

1.2 Land

1.2.1 Agriculture Production

Agricultural Production Index – Total

Units: net production index number (PIN) base 1989-91

Data Source: FAOSTAT (data as of May 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1961-2000

| | 1961 | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| AFRICA | 47.07 | 63.59 | 73.18 | 98.45 | 104.71 | 104.44 | 108.45 | 110.20 | 113.62 | 123.98 | 124.79 | 128.07 | 131.94 | 132.54 |
| Central Africa | 51.04 | 63.80 | 76.19 | 100.15 | 102.99 | 104.04 | 104.47 | 107.66 | 110.62 | 106.63 | 105.01 | 109.37 | 108.04 | 107.06 |
| Eastern Africa | 49.10 | 70.09 | 75.07 | 99.99 | 102.51 | 100.75 | 100.28 | 100.18 | 105.41 | 109.68 | 110.01 | 110.37 | 113.64 | 115.73 |
| Northern Africa | 41.42 | 59.14 | 72.45 | 98.59 | 106.82 | 109.35 | 111.17 | 112.60 | 118.28 | 135.33 | 135.29 | 137.56 | 142.90 | 143.49 |
| Southern Africa | 53.40 | 66.17 | 87.22 | 98.56 | 100.18 | 87.17 | 97.38 | 98.71 | 92.53 | 105.53 | 105.08 | 105.04 | 109.22 | 110.52 |
| Western Africa | 45.45 | 62.94 | 61.99 | 96.70 | 108.42 | 113.19 | 118.74 | 121.68 | 127.91 | 135.97 | 138.95 | 145.79 | 149.85 | 150.13 |
| Western Indian Ocean | 64.10 | 74.52 | 81.54 | 100.15 | 102.48 | 104.38 | 105.37 | 102.29 | 105.71 | 107.02 | 111.17 | 108.74 | 105.77 | 106.99 |
| ASIA AND PACIFIC | 40.15 | 54.18 | 69.42 | 102.51 | 103.20 | 107.43 | 111.77 | 114.41 | 120.29 | 126.21 | 130.90 | 134.63 | 139.44 | 142.02 |
| Australia and New Zealand | 55.19 | 74.17 | 80.05 | 102.47 | 101.40 | 105.36 | 107.90 | 99.23 | 108.00 | 117.14 | 118.34 | 123.34 | 130.80 | 129.31 |
| Central Asia | 77.16 | 98.58 | 103.81 | 127.17 | 110.74 | 104.54 | 96.64 | 86.68 | 77.23 | 71.16 | 73.24 | 71.12 | 79.70 | 75.74 |
| North West Pacific and East Asia | 31.51 | 45.23 | 61.68 | 101.06 | 104.13 | 109.77 | 118.18 | 125.11 | 132.89 | 140.26 | 149.17 | 154.64 | 159.40 | 164.98 |
| South Asia | 44.20 | 54.60 | 67.08 | 99.79 | 102.11 | 106.13 | 109.35 | 112.90 | 117.02 | 121.02 | 123.03 | 125.92 | 130.20 | 129.94 |
| South East Asia | 36.23 | 49.29 | 71.79 | 99.67 | 102.04 | 108.00 | 110.76 | 113.90 | 118.42 | 122.87 | 123.77 | 121.75 | 126.89 | 129.59 |
| South Pacific | 53.30 | 71.66 | 86.78 | 102.08 | 97.56 | 101.11 | 103.17 | 103.59 | 105.04 | 109.76 | 106.35 | 103.66 | 107.46 | 108.62 |
| EUROPE | 61.19 | 75.84 | 87.31 | 100.56 | 94.53 | 91.80 | 89.69 | 84.05 | 83.91 | 86.53 | 87.16 | 86.02 | 86.62 | 85.75 |
| Central Europe | 57.55 | 69.93 | 88.35 | 99.92 | 97.17 | 89.58 | 92.11 | 85.43 | 88.01 | 89.20 | 89.91 | 90.62 | 88.81 | 85.02 |
| Eastern Europe | 61.30 | 78.32 | 82.48 | 101.04 | 87.99 | 83.16 | 79.55 | 66.82 | 63.53 | 63.47 | 64.07 | 56.19 | 57.17 | 57.66 |
| Western Europe | 63.07 | 76.40 | 92.78 | 100.33 | 100.11 | 100.91 | 97.96 | 97.00 | 97.39 | 101.76 | 102.46 | 102.61 | 104.03 | 103.78 |
| LATIN AMERICA AND CARIBBEAN | 44.01 | 58.11 | 79.95 | 100.24 | 102.44 | 105.76 | 104.20 | 111.47 | 119.83 | 118.07 | 123.33 | 126.58 | 132.71 | 135.47 |
| Caribbean | 78.53 | 101.57 | 102.08 | 101.36 | 98.50 | 107.81 | 89.25 | 104.62 | 125.71 | 95.70 | 112.07 | 115.84 | 110.91 | 111.02 |
| Meso-America | 40.90 | 59.07 | 86.25 | 101.48 | 104.26 | 104.71 | 106.49 | 111.16 | 118.28 | 116.76 | 121.04 | 122.86 | 127.32 | 130.21 |
| South America | 41.34 | 53.83 | 75.97 | 99.81 | 102.80 | 105.61 | 105.80 | 112.48 | 119.29 | 121.16 | 125.25 | 128.63 | 136.31 | 139.34 |
| NORTH AMERICA | 58.94 | 69.26 | 88.79 | 101.52 | 100.97 | 108.63 | 100.53 | 115.03 | 109.49 | 114.94 | 118.37 | 120.12 | 122.71 | 125.09 |
| North America | 58.94 | 69.26 | 88.79 | 101.52 | 100.97 | 108.63 | 100.53 | 115.03 | 109.49 | 114.94 | 118.37 | 120.12 | 122.71 | 125.09 |
| POLAR | 51.70 | 90.00 | 91.80 | 100.20 | 100.00 | 105.30 | 105.70 | 105.70 | 105.60 | 105.70 | 105.90 | 105.80 | 105.80 | 105.80 |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | 51.70 | 90.00 | 91.80 | 100.20 | 100.00 | 105.30 | 105.70 | 105.70 | 105.60 | 105.70 | 105.90 | 105.80 | 105.80 | 105.80 |
| WEST ASIA | 27.46 | 34.29 | 51.52 | 107.40 | 98.57 | 111.51 | 108.48 | 111.92 | 115.92 | 120.95 | 123.51 | 136.41 | 123.70 | 130.37 |
| Arabian Peninsula | 18.14 | 23.16 | 33.02 | 103.94 | 103.29 | 109.63 | 103.82 | 105.54 | 103.18 | 105.18 | 124.79 | 129.26 | 127.86 | 131.82 |
| Mashriq | 42.31 | 50.62 | 82.62 | 109.72 | 95.40 | 112.76 | 111.37 | 115.81 | 122.64 | 128.63 | 122.71 | 140.46 | 121.04 | 129.44 |
| GLOBAL TOTALS | 48.89 | 63.05 | 78.76 | 101.23 | 100.09 | 102.82 | 102.55 | 106.20 | 108.90 | 113.31 | 116.75 | 119.39 | 123.16 | 124.99 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 49.80 | 62.90 | 78.50 | 100.70 | 101.20 | 103.50 | 104.10 | 107.10 | 109.30 | 113.70 | 116.60 | 118.20 | 121.40 | 122.80 |

Comments:

Index of agricultural production: The FAO index of agricultural production shows the relative level of the aggregate volume of agricultural production for each year in comparison with the base period 1989-91. They are based on the sum of price-weighted quantities of different agricultural commodities produced after deductions of quantities used as seed and feed weighted in a similar manner. The resulting aggregate represents, therefore, disposable production for any use except as seed and feed.

Net production index number (PIN) base 1989-91: presents net production (production - feed - seed) indices. All indices are calculated by the Laspeyres formula. Net production quantities of each commodity are weighted by 1989-91 average international commodity prices and summed for each year. To obtain the index, the aggregate for a given year is divided by the average aggregate for the base period 1989-91. Indices are calculated from net production data presented on a calendar year basis.

Cereals - Area Harvested

Figures from 1995 to 2000 do not have visible decimals due to space constraint. However no information has been lost since all decimals were nil.

Units: hectares

Data Source: FAOSTAT (data as of May 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1961-2000

| | 1961 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|--------------|--------------|--------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|
| AFRICA | 57253706.00 | 66857867.00 | 64443679.00 | 79371400.00 | 88803961 | 94304495 | 90848041 | 94210007 | 91125119 | 91865815 |
| Central Africa | 2946622.00 | 2942891.00 | 3405050.00 | 3732444.00 | 4737815 | 4674495 | 4867489 | 5166617 | 4779865 | 5498442 |
| Eastern Africa | 8794266.00 | 10263178.00 | 8600986.00 | 9050154.00 | 10802419 | 11993638 | 12104982 | 10885733 | 11848713 | 11176038 |
| Northern Africa | 11662399.00 | 14266491.00 | 15743278.00 | 15822035.00 | 17852546 | 22977997 | 18723476 | 23082618 | 18597543 | 18171430 |
| Southern Africa | 12569616.00 | 14410911.00 | 15368378.00 | 15738829.00 | 15591628 | 16380283 | 16661047 | 15181511 | 1539966 | 16660058 |
| Western Africa | 20378684.00 | 23852019.00 | 19975389.00 | 33683563.00 | 38458928 | 36922766 | 37101961 | 38483238 | 39045747 | 38945042 |
| Western Indian Ocean | 902119.00 | 1122377.00 | 1350598.00 | 1344375.00 | 1360625 | 1355316 | 1389086 | 1410290 | 1453285 | 1414805 |
| ASIA AND PACIFIC | 289144766.30 | 311161851.91 | 329440566.65 | 325522142.57 | 316885315 | 322239798 | 319663474 | 319194090 | 319417641 | 315135566 |
| Australia and New Zealand | 8565998.00 | 10793758.00 | 15778944.00 | 13600810.00 | 14771300 | 16879705 | 16148600 | 16794400 | 16742875 | 18022875 |
| Central Asia | 27973479.30 | 27077849.91 | 28877030.65 | 24639167.57 | 19520050 | 18874738 | 17813956 | 14729577 | 14147891 | 15232799 |
| North West Pacific and East Asia | 99237950.00 | 101246183.00 | 101589635.00 | 99778968.00 | 95154825 | 97758126 | 97501225 | 97464897 | 96782600 | 90926760 |
| South Asia | 119436056.00 | 133672995.00 | 139758942.00 | 141271863.00 | 138320604 | 139053320 | 138856080 | 140404256 | 139413032 | 139662798 |
| South East Asia | 33915649.00 | 38355930.00 | 43417876.00 | 46214607.00 | 49106682 | 49660228 | 49330486 | 49787896 | 52316543 | 51275634 |
| South Pacific | 15634.00 | 15136.00 | 18139.00 | 16727.00 | 11854 | 13681 | 13127 | 13064 | 14700 | 14700 |
| EUROPE | 176428867.70 | 171972122.09 | 176852933.35 | 159363641.43 | 146265428 | 143564221 | 148681816 | 133194440 | 129662905 | 134573970 |
| Central Europe | 45808421.40 | 43109946.91 | 42432097.65 | 41963339.80 | 41794257 | 41040445 | 42714011 | 42226551 | 39174438 | 39575367 |
| Eastern Europe | 87396455.30 | 84598275.18 | 90219385.70 | 76979194.62 | 67766841 | 64569649 | 66844490 | 52487012 | 53078080 | 56267883 |
| Western Europe | 43223991.00 | 44263900.00 | 44201450.00 | 40421107.00 | 36704330 | 37954127 | 39123315 | 38480877 | 37410387 | 38730720 |
| LATIN AMERICA AND CARIBBEAN | 37265137.00 | 46549063.00 | 49038472.00 | 47409566.00 | 48593078 | 49743385 | 48841139 | 46007897 | 47248467 | 49670778 |
| Caribbean | 853341.00 | 911802.00 | 799846.00 | 714651.00 | 761471 | 816774 | 876725 | 806006 | 845760 | 826545 |
| Meso-America | 9549463.00 | 11793115.00 | 11664814.00 | 12774862.00 | 12848514 | 13709048 | 12639212 | 13308900 | 12228371 | 14210353 |
| South America | 26862333.00 | 33844146.00 | 36573812.00 | 33920053.00 | 34983093 | 35217563 | 35325202 | 31892991 | 34174336 | 34633880 |
| NORTH AMERICA | 81937984.00 | 72815430.00 | 90959594.00 | 87246800.00 | 78027010 | 85394230 | 82927280 | 79852860 | 75986530 | 76956440 |
| North America | 81937984.00 | 72815430.00 | 90959594.00 | 87246800.00 | 78027010 | 85394230 | 82927280 | 79852860 | 75986530 | 76956440 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | 6099095.00 | 6403883.00 | 6553056.00 | 9374794.00 | 8462238 | 7986348 | 7711936 | 7833772 | 7572977 | 7015798 |
| Arabian Peninsula | 1475377.00 | 1424925.00 | 1307425.00 | 1824657.00 | 1443186 | 1272586 | 1381963 | 1398183 | 1329074 | 1317367 |
| Mashriq | 4623718.00 | 4978958.00 | 5245631.00 | 7550137.00 | 7019052 | 6713762 | 6329973 | 6435589 | 6243903 | 5698431 |
| GLOBAL TOTALS | 648129556.00 | 675760217.00 | 717288301.00 | 708288344.00 | 687037030 | 703232477 | 698673686 | 680293066 | 671013639 | 675218367 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 648129670.00 | 675760311.00 | 717288429.00 | 708288469.00 | 687177039 | 703406612 | 698865086 | 680480865 | 671186038 | 675405416 |

Comments:

Cereals are generally of the gramineous family and, in the FAO concept, refer to crops harvested for dry grain only. Crops harvested green for forage, silage or grazing are classified as fodder crops. Also excluded are industrial crops, for example broom sorghum (crude organic materials nes) and sweet sorghum when grown for syrup (sugar crops nes). For international trade classifications, fresh cereals (other than sweet corn), whether or not suitable for use as fresh vegetables, are classified as cereals. Cereals are identified according to their genus; this category includes: heat rice, paddy, barley, maize, pop corn, rye, oats, millet, sorghum, buckwheat, quinoa, fonio, triticale, canary seed, mixed grain and cereals nes.

Area harvested: data refer to the area from which a crop is gathered. Area harvested, therefore, excludes the area from which, although sown or planted, there was no harvest due to damage, failure, etc. It is usually net for temporary crops and gross for permanent crops. Net area differs from gross area insofar as the latter includes uncultivated patches, footpaths, ditches, headlands, shoulders, shelterbelts, etc.

If the crop under consideration is harvested more than once during the year as a consequence of successive cropping (that is to say the same crop is sown or planted more than once in the same field during the year), the area is counted as many times as harvested. On the contrary, area harvested will be recorded only once in the case of successive gathering of the crop during the year from the same standing crops.

Cereals - Area Harvested

Figures from 1995 to 2000 do not have visible decimals due to space constraint. However no information has been lost since all decimals were nil.

Units: metric tonnes

Data Source: FAOSTAT (data as of May 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1961-2000

| | 1961 | 1970 | 1980 | 1990 | 1995 | 2000 |
|---|--------------|---------------|---------------|---------------|------------|------------|
| AFRICA | 46281779.00 | 60507494.00 | 72602167.00 | 92762230.00 | 97671027 | 112404578 |
| Central Africa | 2025062.00 | 2189565.00 | 2476429.00 | 3035842.00 | 3848141 | 4571090 |
| Eastern Africa | 6992708.00 | 9442804.00 | 10470271.00 | 11584967.00 | 12864182 | 13132000 |
| Northern Africa | 9833843.00 | 16712760.00 | 19147501.00 | 24539684.00 | 24096139 | 27905145 |
| Southern Africa | 12165815.00 | 13841052.00 | 22072562.00 | 22055927.00 | 17455374 | 25619651 |
| Western Africa | 13652951.00 | 16241733.00 | 16168236.00 | 28933245.00 | 36727413 | 38678492 |
| Western Indian Ocean | 1611400.00 | 2079580.00 | 2267168.00 | 2612565.00 | 2679778 | 2498200 |
| ASIA AND PACIFIC | 339429601.46 | 499042381.75 | 642866703.26 | 887356287.02 | 929332541 | 982444286 |
| Australia and New Zealand | 9538587.00 | 13486512.00 | 17158140.00 | 23913758.00 | 28083492 | 31459000 |
| Central Asia | 17913640.46 | 25188031.75 | 25693427.26 | 31537602.02 | 15090351 | 18402790 |
| North West Pacific and East Asia | 140315798.00 | 231182256.00 | 306194631.00 | 436086909.00 | 443711323 | 432005915 |
| South Asia | 120845426.00 | 158198391.00 | 198037944.00 | 267543655.00 | 291693639 | 331896854 |
| South East Asia | 50789260.00 | 70959004.00 | 95741896.00 | 128239802.00 | 150724039 | 168642408 |
| South Pacific | 26890.00 | 28187.00 | 40665.00 | 34561.00 | 29697 | 37319 |
| EUROPE | 258788381.54 | 341815891.25 | 427551169.74 | 493013948.98 | 406047799 | 412917327 |
| Central Europe | 68709546.93 | 81812379.52 | 116202449.64 | 130095388.48 | 119607056 | 96350085 |
| Eastern Europe | 97321105.61 | 136841369.73 | 139587079.10 | 171337272.50 | 103597115 | 96545411 |
| Western Europe | 92757729.00 | 123162142.00 | 171761641.00 | 191581288.00 | 182843628 | 220021831 |
| LATIN AMERICA AND CARIBBEAN | 47399044.00 | 71364892.00 | 88248642.00 | 99021897.00 | 123902967 | 138613613 |
| Caribbean | 1003682.00 | 1288301.00 | 1476029.00 | 1413982.00 | 1286992 | 1560334 |
| Meso-America | 10220089.00 | 17598189.00 | 24182124.00 | 29641820.00 | 30897490 | 33637136 |
| South America | 36175273.00 | 52478402.00 | 62590489.00 | 67966095.00 | 91718485 | 103416143 |
| NORTH AMERICA | 180531264.00 | 215542656.00 | 311499202.00 | 369202900.00 | 326914232 | 395180600 |
| North America | 180531264.00 | 215542656.00 | 311499202.00 | 369202900.00 | 326914232 | 395180600 |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | 4596610.00 | 4417119.00 | 7172442.00 | 11727345.00 | 12383376 | 7638517 |
| Arabian Peninsula | 1302100.00 | 1282323.00 | 1135463.00 | 4916627.00 | 3491919 | 3161745 |
| Mashriq | 3294510.00 | 3134796.00 | 6036979.00 | 6810718.00 | 8891457 | 4476772 |
| GLOBAL TOTALS | 877026680.00 | 1192690434.00 | 1549940326.00 | 1953084608.00 | 1896251942 | 2049198921 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 877026930.00 | 1192690540.00 | 1549940470.00 | 1953084760.00 | 1896509240 | 2049414990 |

Comments:

Cereals are generally of the gramineous family and, in the FAO concept, refer to crops harvested for dry grain only. Crops harvested green for forage, silage or grazing are classified as fodder crops. Also excluded are industrial crops, for example broom sorghum (crude organic materials nes) and sweet sorghum when grown for syrup (sugar crops nes). For international trade classifications, fresh cereals (other than sweet corn), whether or not suitable for use as fresh vegetables, are classified as cereals. Cereals are identified according to their genus; this category includes: heat rice, paddy, barley, maize, pop corn, rye, oats, millet, sorghum, buckwheat, quinoa, fonio, triticale, canary seed, mixed grain and cereals nes.

Production: data refer to the actual harvested production from the field or orchard and gardens, excluding harvesting and threshing losses and that part of crop not harvested for any reason. Production therefore includes the quantities of the commodity sold in the market (marketed production) and the quantities consumed or used by the producers (auto-consumption). When the production data available refers to a production period falling into two successive calendar years and it is not possible to allocate the relative production to each of them, it is usual to refer production data to that year into which the bulk of the production falls.

Production data are reported in terms of clean, dry weight of grains (12-14 percent moisture) in the form usually marketed. Rice, however, is reported in terms of paddy.

Cereals - Yield

Units: hectograms per hectare

Data Source: FAOSTAT (data as of May 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1961-2000

| | 1961 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| AFRICA | 8083.77 | 9050.19 | 11266.04 | 11687.04 | 10998.64 | 13219.61 | 12178.69 | 12286.57 | 12282.30 | 12235.85 |
| Central Africa | 6872.46 | 7440.36 | 7272.86 | 8133.80 | 8122.17 | 8370.83 | 8405.59 | 9149.19 | 8507.25 | 8313.21 |
| Eastern Africa | 7951.75 | 9200.44 | 12173.11 | 12801.03 | 11908.85 | 12146.80 | 12203.49 | 12223.07 | 11685.31 | 11750.22 |
| Northern Africa | 8432.17 | 11714.58 | 12162.35 | 15509.74 | 13497.38 | 17312.73 | 15256.83 | 15216.78 | 16088.90 | 15356.67 |
| Southern Africa | 9678.88 | 9604.60 | 14362.52 | 14013.53 | 11195.52 | 16801.72 | 14607.27 | 14357.43 | 14578.89 | 15377.94 |
| Western Africa | 6699.77 | 6809.54 | 8094.15 | 8589.61 | 9549.93 | 9793.44 | 9728.29 | 9913.33 | 9929.53 | 9931.80 |
| Western Indian Ocean | 17862.19 | 18528.81 | 16786.83 | 19433.30 | 19695.48 | 20087.72 | 20014.04 | 18778.33 | 19729.37 | 17657.07 |
| ASIA AND PACIFIC | 11707.79 | 15997.41 | 19474.30 | 27210.26 | 29327.01 | 30687.40 | 30843.51 | 31415.00 | 32172.52 | 31175.34 |
| Australia and New Zealand | 11135.40 | 12494.49 | 10874.12 | 17582.83 | 19012.00 | 21193.40 | 19870.13 | 19888.18 | 21450.34 | 17454.58 |
| Central Asia | 6078.58 | 8829.87 | 8445.89 | 12150.51 | 7730.62 | 9136.59 | 10688.23 | 9423.60 | 15690.97 | 12081.10 |
| North West Pacific and East Asia | 14139.28 | 22833.49 | 30140.21 | 43705.26 | 46629.99 | 48871.99 | 48207.44 | 49461.87 | 49525.30 | 47511.75 |
| South Asia | 10118.13 | 11834.63 | 14169.99 | 18938.05 | 21088.34 | 21682.65 | 22302.30 | 22667.89 | 23206.23 | 23764.11 |
| South East Asia | 14976.23 | 18504.87 | 22051.49 | 27748.77 | 30693.35 | 31524.79 | 31438.21 | 31152.12 | 31854.68 | 32889.40 |
| South Pacific | 17199.69 | 18622.13 | 22418.61 | 20661.99 | 25052.44 | 22410.09 | 23777.65 | 15516.78 | 25386.92 | 25386.92 |
| EUROPE | 14719.49 | 19950.29 | 24249.10 | 31037.03 | 27761.05 | 29406.46 | 31799.46 | 31631.66 | 31238.49 | 30683.26 |
| Central Europe | 14980.38 | 18948.96 | 27355.83 | 30965.76 | 28618.31 | 26884.48 | 30319.10 | 29294.86 | 28972.28 | 24346.13 |
| Eastern Europe | 11249.07 | 16340.65 | 15630.04 | 22485.86 | 15287.11 | 15513.24 | 19839.15 | 15444.87 | 16038.16 | 17157.95 |
| Western Europe | 21459.98 | 27824.35 | 38859.03 | 47396.13 | 49815.43 | 55769.43 | 53850.59 | 56274.32 | 55177.90 | 56808.12 |
| LATIN AMERICA AND CARIBBEAN | 12719.50 | 15331.30 | 17995.61 | 20886.64 | 25498.21 | 25759.87 | 27164.88 | 28305.58 | 28420.19 | 27906.39 |
| Caribbean | 11762.02 | 14129.03 | 18454.20 | 19785.30 | 16900.98 | 17773.97 | 18465.42 | 16680.70 | 19336.31 | 18877.59 |
| Meso-America | 10702.10 | 14922.73 | 20730.79 | 23203.36 | 24047.23 | 24413.30 | 25087.24 | 24814.29 | 26392.63 | 23670.76 |
| South America | 13467.09 | 15506.06 | 17113.23 | 20037.32 | 26218.26 | 26469.26 | 28124.16 | 30056.27 | 29370.51 | 29859.75 |
| NORTH AMERICA | 22032.30 | 29601.46 | 34246.11 | 42316.83 | 41897.93 | 46162.25 | 46554.02 | 50135.36 | 51254.36 | 51350.83 |
| North America | 22032.30 | 29601.46 | 34246.11 | 42316.83 | 41897.93 | 46162.25 | 46554.02 | 50135.36 | 51254.36 | 51350.83 |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | 7536.63 | 7015.27 | 11053.14 | 12461.44 | 14598.07 | 14770.76 | 12604.37 | 14072.07 | 10773.18 | 10845.03 |
| Arabian Peninsula | 8825.78 | 8999.08 | 8685.05 | 26945.46 | 24195.89 | 20511.25 | 21695.97 | 21811.41 | 23823.71 | 24000.84 |
| Mashriq | 7125.27 | 6447.52 | 11643.37 | 8961.05 | 12624.67 | 13682.66 | 10619.49 | 12390.64 | 7995.25 | 7803.67 |
| GLOBAL TOTALS | 13531.64 | 17650.91 | 21609.30 | 27574.07 | 27600.03 | 29433.26 | 30026.21 | 30595.83 | 30946.03 | 30348.23 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 13532.00 | 17650.00 | 21608.00 | 27575.00 | 27599.00 | 29431.00 | 30022.00 | 30593.00 | 30943.00 | 30343.00 |

Comments:

Cereals are generally of the gramineous family and, in the FAO concept, refer to crops harvested for dry grain only. Crops harvested green for forage, silage or grazing are classified as fodder crops. Also excluded are industrial crops, for example broom sorghum (crude organic materials nes) and sweet sorghum when grown for syrup (sugar crops nes). For international trade classifications, fresh cereals (other than sweet corn), whether or not suitable for use as fresh vegetables, are classified as cereals. Cereals are identified according to their genus; this category includes: heat rice, paddy, barley, maize, pop corn, rye, oats, millet, sorghum, buckwheat, quinoa, fonio, triticale, canary seed, mixed grain and cereals nes.

Yield represents the harvested production per unit of harvested area for crop products. In most of the cases yield data are not recorded but obtained by dividing the data stored under production element by those recorded under element: area harvested.

Meat Production – Per Capita

Units: kilograms per person

Data Source: FAOSTAT (data as of May 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1961-2000

| | 1961 | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| AFRICA | 13.78 | 14.13 | 14.21 | 13.93 | 13.92 | 13.78 | 13.41 | 13.15 | 13.29 | 13.34 | 13.61 | 13.59 | 13.48 | 13.30 |
| Central Africa | 11.71 | 10.78 | 9.51 | 10.06 | 9.79 | 9.79 | 9.51 | 9.15 | 9.18 | 9.26 | 9.04 | 9.09 | 8.85 | 8.75 |
| Eastern Africa | 17.34 | 16.16 | 14.20 | 13.11 | 12.74 | 12.14 | 11.54 | 11.42 | 11.42 | 11.67 | 11.52 | 11.24 | 11.12 | 10.73 |
| Northern Africa | 12.19 | 12.72 | 14.00 | 16.06 | 16.61 | 16.83 | 16.95 | 17.26 | 18.01 | 18.40 | 20.14 | 20.33 | 20.06 | 20.04 |
| Southern Africa | 18.69 | 19.83 | 19.92 | 18.93 | 18.91 | 19.10 | 17.83 | 16.53 | 16.25 | 15.85 | 15.39 | 15.51 | 15.85 | 16.00 |
| Western Africa | 9.47 | 10.59 | 11.43 | 10.05 | 9.93 | 9.52 | 9.50 | 9.47 | 9.55 | 9.56 | 9.64 | 9.59 | 9.42 | 9.18 |
| Western Indian Ocean | 22.68 | 21.79 | 21.24 | 20.60 | 20.60 | 20.51 | 20.48 | 20.34 | 20.47 | 20.31 | 20.32 | 19.89 | 19.77 | 17.87 |
| ASIA AND PACIFIC | 6.97 | 10.11 | 13.14 | 18.48 | 19.38 | 20.14 | 21.49 | 22.62 | 23.43 | 23.13 | 24.98 | 26.46 | 26.92 | 27.53 |
| Australia and New Zealand | 165.82 | 199.96 | 214.18 | 206.80 | 214.69 | 216.59 | 213.15 | 212.60 | 213.49 | 204.85 | 207.71 | 217.73 | 215.00 | 217.48 |
| Central Asia | 54.99 | 59.27 | 58.43 | 63.30 | 57.65 | 40.81 | 41.94 | 39.05 | 34.07 | 30.44 | 27.72 | 56.88 | 55.45 | 54.48 |
| North West Pacific and East Asia | 4.48 | 9.94 | 16.01 | 26.35 | 28.22 | 30.26 | 32.92 | 35.53 | 37.66 | 37.40 | 41.67 | 44.31 | 45.49 | 47.18 |
| South Asia | 4.56 | 4.58 | 4.89 | 5.96 | 6.02 | 6.22 | 6.45 | 6.58 | 6.64 | 6.47 | 6.59 | 6.48 | 6.50 | 6.45 |
| South East Asia | 7.81 | 9.21 | 10.16 | 13.91 | 14.89 | 15.61 | 16.67 | 17.07 | 17.08 | 17.57 | 17.97 | 17.59 | 18.13 | 18.17 |
| South Pacific | 13.48 | 14.72 | 16.15 | 16.23 | 16.07 | 16.11 | 16.28 | 16.95 | 16.99 | 17.06 | 17.13 | 16.79 | 16.62 | 16.41 |
| EUROPE | 44.85 | 56.29 | 70.41 | 78.12 | 75.74 | 72.73 | 70.22 | 68.10 | 66.90 | 66.95 | 65.76 | 67.09 | 66.99 | 65.43 |
| Central Europe | 42.07 | 48.59 | 63.63 | 64.90 | 60.57 | 58.14 | 54.57 | 50.58 | 51.76 | 52.33 | 51.07 | 51.12 | 51.29 | 49.47 |
| Eastern Europe | 37.91 | 49.26 | 56.69 | 70.67 | 65.18 | 57.25 | 50.56 | 46.40 | 39.92 | 37.05 | 34.04 | 32.83 | 31.08 | 30.76 |
| Western Europe | 49.90 | 63.59 | 81.55 | 89.09 | 89.56 | 89.20 | 89.65 | 89.60 | 90.30 | 91.73 | 91.53 | 94.87 | 95.50 | 93.22 |
| LATIN AMERICA AND CARIBBEAN | 36.16 | 38.65 | 43.88 | 45.47 | 47.15 | 47.90 | 49.17 | 50.92 | 53.95 | 54.46 | 54.82 | 55.33 | 58.06 | 59.83 |
| Caribbean | 17.60 | 21.27 | 22.15 | 25.19 | 24.06 | 21.24 | 21.55 | 21.49 | 22.12 | 22.61 | 22.77 | 23.34 | 24.01 | 26.21 |
| Meso America | 24.11 | 24.26 | 33.78 | 30.91 | 32.42 | 32.78 | 33.82 | 35.38 | 36.95 | 35.49 | 36.56 | 37.81 | 38.56 | 39.20 |
| South America | 42.73 | 45.96 | 50.25 | 53.31 | 55.38 | 56.69 | 58.15 | 60.19 | 64.05 | 65.34 | 65.46 | 65.68 | 69.41 | 71.59 |
| NORTH AMERICA | 86.76 | 100.94 | 105.96 | 111.28 | 113.12 | 116.92 | 116.67 | 121.58 | 124.02 | 124.79 | 125.36 | 128.27 | 132.20 | 132.71 |
| North America | 86.76 | 100.94 | 105.96 | 111.28 | 113.12 | 116.92 | 116.67 | 121.58 | 124.02 | 124.79 | 125.36 | 128.27 | 132.20 | 132.71 |
| POLAR | 7.04 | 13.57 | 10.96 | 10.44 | 10.40 | 10.84 | 10.90 | 10.90 | 10.90 | 10.89 | 10.88 | 10.86 | 10.83 | 10.81 |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | 7.04 | 13.57 | 10.96 | 10.44 | 10.40 | 10.84 | 10.90 | 10.90 | 10.90 | 10.89 | 10.88 | 10.86 | 10.83 | 10.81 |
| WEST ASIA | 12.04 | 11.39 | 14.68 | 19.49 | 16.38 | 17.33 | 17.17 | 17.74 | 17.63 | 17.55 | 18.84 | 17.92 | 18.57 | 18.17 |
| Arabian Peninsula | 10.27 | 8.95 | 12.96 | 20.25 | 19.29 | 20.27 | 20.18 | 21.25 | 20.45 | 20.86 | 23.05 | 21.05 | 21.13 | 20.49 |
| Mashriq | 13.26 | 13.04 | 16.03 | 18.80 | 13.77 | 14.70 | 14.50 | 14.63 | 15.13 | 14.60 | 15.05 | 15.07 | 16.22 | 16.02 |
| GLOBAL TOTALS | 23.19 | 27.30 | 30.92 | 34.29 | 34.52 | 34.65 | 34.99 | 35.62 | 36.21 | 36.03 | 36.94 | 38.07 | 38.65 | 38.84 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Meat production includes meat from animals slaughtered in countries, irrespective of their origin and comprises horse meat, poultry meat and meat from all other domestic or wild animals such as camels, rabbits, reindeer and game animals.

Meat Production – Total

Figures from 1995 to 2000 do not have visible decimals due to space constraint. However no information has been lost since all decimals were nil.

Units: kilograms per person

Data Source: FAOSTAT (data as of May 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1961-2000

| | 1961 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------------|--------------|--------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|
| AFRICA | 3880202.00 | 5006230.00 | 6599098.00 | 8587839.00 | 9348990 | 9617925 | 10051088 | 10272759 | 10441541 | 10544467 |
| Central Africa | 323552.00 | 373804.00 | 429059.00 | 613680.00 | 664681 | 689058 | 689902 | 710373 | 709252 | 719869 |
| Eastern Africa | 825316.00 | 981735.00 | 1137965.00 | 1420685.00 | 1426617 | 1496784 | 1520950 | 1527875 | 1555700 | 1543744 |
| Northern Africa | 839545.00 | 1093656.00 | 1551339.00 | 2298675.00 | 2858206 | 2976352 | 3319808 | 3405096 | 3421879 | 3483585 |
| Southern Africa | 1006128.00 | 1348644.00 | 1788287.00 | 2241517.00 | 2192624 | 2190356 | 2176436 | 2240689 | 2338778 | 2407258 |
| Western Africa | 731081.00 | 1021971.00 | 1459458.00 | 1720548.00 | 1874212 | 1926122 | 1995045 | 2037759 | 2057327 | 2056884 |
| Western Indian Ocean | 154580.00 | 186420.00 | 232990.00 | 292734.00 | 332650 | 339253 | 348947 | 350967 | 358605 | 333127 |
| ASIA AND PACIFIC | 11728394.32 | 20924612.75 | 33283241.04 | 56019481.42 | 76657647 | 76771040 | 84025024 | 88585852 | 91427478 | 94813429 |
| Australia and New Zealand | 2142625.00 | 3070321.00 | 3787167.00 | 4187372.00 | 4627619 | 4494507 | 4610213 | 4886163 | 4876257 | 4983760 |
| Central Asia | 1393411.32 | 1966471.75 | 2414013.04 | 3204237.42 | 1836623 | 1658983 | 1527531 | 1503525 | 1519379 | 1538862 |
| North West Pacific and East Asia | 3595222.00 | 9766598.00 | 18780114.00 | 35417300.00 | 53224443 | 53326725 | 59930331 | 64277309 | 66509905 | 69503749 |
| South Asia | 2776694.00 | 3439006.00 | 4593883.00 | 6997678.00 | 8628549 | 8570028 | 8891040 | 8903759 | 9088146 | 9191722 |
| South East Asia | 1779603.00 | 2627269.00 | 3631846.00 | 6117407.00 | 8228391 | 8605783 | 8947879 | 8896962 | 9314383 | 9474904 |
| South Pacific | 40839.00 | 54947.00 | 76218.00 | 95487.00 | 112022 | 115014 | 118030 | 118134 | 119408 | 120432 |
| EUROPE | 29163715.68 | 39687178.25 | 53042510.96 | 62133502.58 | 54170115 | 54327869 | 53450213 | 54596877 | 54572127 | 53319029 |
| Central Europe | 5695940.50 | 7321045.58 | 10776577.37 | 12124004.29 | 9900769 | 10056246 | 9863886 | 9923435 | 10004965 | 9693429 |
| Eastern Europe | 6989369.18 | 9863847.68 | 12108720.58 | 16072496.28 | 9076272 | 8401114 | 7693635 | 7390384 | 6962851 | 6854815 |
| Western Europe | 16478406.00 | 22502285.00 | 30157213.00 | 33937002.00 | 35193074 | 35870509 | 35892692 | 37283058 | 37604311 | 36770785 |
| LATIN AMERICA AND CARIBBEAN | 8111259.00 | 11007064.00 | 15855025.00 | 20024458.00 | 25882429 | 26558188 | 27160996 | 27845229 | 29669979 | 31041589 |
| Caribbean | 366515.00 | 527952.00 | 646934.00 | 852697.00 | 793700 | 820334 | 835007 | 865039 | 899196 | 991849 |
| Meso-America | 1227629.00 | 1637410.00 | 3034817.00 | 3443380.00 | 4553580 | 4458519 | 4679518 | 4929839 | 5119757 | 5297644 |
| South America | 6517115.00 | 8841702.00 | 12173274.00 | 15728381.00 | 20535149 | 21279335 | 21646471 | 22050351 | 23651026 | 24752096 |
| NORTH AMERICA | 17991542.00 | 23402358.00 | 27011675.00 | 31434598.00 | 36970125 | 37601751 | 38181550 | 39477473 | 41104641 | 41669127 |
| North America | 17991542.00 | 23402358.00 | 27011675.00 | 31434598.00 | 36970125 | 37601751 | 38181550 | 39477473 | 41104641 | 41669127 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | 242.00 | 630.00 | 550.00 | 580.00 | 608 | 608 | 608 | 608 | 608 | 608 |
| WEST ASIA | 303965.00 | 397390.00 | 733443.00 | 1396267.00 | 1473908 | 1513259 | 1675813 | 1645021 | 1759076 | 1775275 |
| Arabian Peninsula | 110411.00 | 126120.00 | 284095.00 | 685872.00 | 803177 | 847215 | 970365 | 919487 | 957628 | 962262 |
| Mashriq | 193554.00 | 271270.00 | 449348.00 | 710395.00 | 670731 | 666044 | 705448 | 725534 | 801448 | 813013 |
| GLOBAL TOTALS | 71179320.00 | 100425463.00 | 136525543.00 | 179596726.00 | 204503822 | 206390640 | 214545292 | 222423819 | 228975450 | 233163524 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 71186853.00 | 100435844.00 | 136526557.00 | 179597944.00 | 204552750 | 206439660 | 214595116 | 222475885 | 229025372 | 233217843 |

Comments:

Meat production includes meat from animals slaughtered in countries, irrespective of their origin and comprises horse meat, poultry meat and meat from all other domestic or wild animals such as camels, rabbits, reindeer and game animals.

1.2.2 Boundaries

Land Area

Units: thousand hectares

Data Source: FAOSTAT (data as of July 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1961-1999

| | 1961 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| AFRICA | 2963389.00 | 2963389.00 | 2963305.00 | 2963305.00 | 2963305.00 | 2963305.00 | 2963305.00 | 2963305.00 | 2963305.00 |
| Central Africa | 524361.00 | 524361.00 | 524281.00 | 524281.00 | 524281.00 | 524281.00 | 524281.00 | 524281.00 | 524281.00 |
| Eastern Africa | 256811.00 | 256811.00 | 256811.00 | 256811.00 | 256811.00 | 256811.00 | 256811.00 | 256811.00 | 256811.00 |
| Northern Africa | 838043.00 | 838043.00 | 838039.00 | 838039.00 | 838039.00 | 838039.00 | 838039.00 | 838039.00 | 838039.00 |
| Southern Africa | 679762.00 | 679762.00 | 679762.00 | 679762.00 | 679762.00 | 679762.00 | 679762.00 | 679762.00 | 679762.00 |
| Western Africa | 605537.00 | 605537.00 | 605537.00 | 605537.00 | 605537.00 | 605537.00 | 605537.00 | 605537.00 | 605537.00 |
| Western Indian Ocean | 58875.00 | 58875.00 | 58875.00 | 58875.00 | 58875.00 | 58875.00 | 58875.00 | 58875.00 | 58875.00 |
| ASIA AND PACIFIC | 3463407.00 | 3463396.00 | 3463345.00 | 3463174.00 | 3463220.00 | 3463210.00 | 3463210.00 | 3463210.00 | 3463210.00 |
| Australia and New Zealand | 795029.00 | 795029.00 | 795029.00 | 795029.00 | 795029.00 | 795029.00 | 795029.00 | 795029.00 | 795029.00 |
| Central Asia | 391627.00 | 391627.00 | 391627.00 | 391627.00 | 391627.00 | 391627.00 | 391627.00 | 391627.00 | 391627.00 |
| North West Pacific and East Asia | 1147981.00 | 1147981.00 | 1147939.00 | 1147768.00 | 1147768.00 | 1147758.00 | 1147758.00 | 1147758.00 | 1147758.00 |
| South Asia | 640337.00 | 640326.00 | 640326.00 | 640326.00 | 640326.00 | 640326.00 | 640326.00 | 640326.00 | 640326.00 |
| South East Asia | 434551.00 | 434551.00 | 434542.00 | 434542.00 | 434542.00 | 434542.00 | 434542.00 | 434542.00 | 434542.00 |
| South Pacific | 53882.00 | 53882.00 | 53882.00 | 53882.00 | 53928.00 | 53928.00 | 53928.00 | 53928.00 | 53928.00 |
| EUROPE | 2359435.00 | 2359435.00 | 2359393.00 | 2359379.00 | 2359383.00 | 2359383.00 | 2359383.00 | 2359383.00 | 2359383.00 |
| Central Europe | 209313.00 | 209313.00 | 209299.00 | 209287.00 | 209287.00 | 209287.00 | 209287.00 | 209287.00 | 209287.00 |
| Eastern Europe | 1789274.00 | 1789274.00 | 1789274.00 | 1789274.00 | 1789274.00 | 1789274.00 | 1789274.00 | 1789274.00 | 1789274.00 |
| Western Europe | 360848.00 | 360848.00 | 360820.00 | 360818.00 | 360822.00 | 360822.00 | 360822.00 | 360822.00 | 360822.00 |
| LATIN AMERICA AND CARIBBEAN | 2017767.00 | 2017767.00 | 2017768.00 | 2017768.00 | 2017768.00 | 2017768.00 | 2017768.00 | 2017768.00 | 2017768.00 |
| Caribbean | 22880.00 | 22880.00 | 22880.00 | 22880.00 | 22880.00 | 22880.00 | 22880.00 | 22880.00 | 22880.00 |
| Meso-America | 241955.00 | 241955.00 | 241942.00 | 241942.00 | 241942.00 | 241942.00 | 241942.00 | 241942.00 | 241942.00 |
| South America | 1752932.00 | 1752932.00 | 1752946.00 | 1752946.00 | 1752946.00 | 1752946.00 | 1752946.00 | 1752946.00 | 1752946.00 |
| NORTH AMERICA | 1838016.00 | 1838016.00 | 1838016.00 | 1838016.00 | 1838016.00 | 1838016.00 | 1838016.00 | 1838016.00 | 1838016.00 |
| North America | 1838016.00 | 1838016.00 | 1838016.00 | 1838016.00 | 1838016.00 | 1838016.00 | 1838016.00 | 1838016.00 | 1838016.00 |
| POLAR | 62298.27 | 62298.27 | 62298.27 | 62298.27 | 62298.27 | 62298.27 | 62298.27 | 62298.27 | 62298.27 |
| Antarctic | 28128.27 | 28128.27 | 28128.27 | 28128.27 | 28128.27 | 28128.27 | 28128.27 | 28128.27 | 28128.27 |
| Arctic | 34170.00 | 34170.00 | 34170.00 | 34170.00 | 34170.00 | 34170.00 | 34170.00 | 34170.00 | 34170.00 |
| WEST ASIA | 372392.00 | 372492.00 | 372392.00 | 372392.00 | 372392.00 | 372392.00 | 372392.00 | 372392.00 | 372392.00 |
| Arabian Peninsula | 300323.00 | 300323.00 | 300323.00 | 300323.00 | 300323.00 | 300323.00 | 300323.00 | 300323.00 | 300323.00 |
| Mashriq | 72069.00 | 72169.00 | 72069.00 | 72069.00 | 72069.00 | 72069.00 | 72069.00 | 72069.00 | 72069.00 |
| GLOBAL TOTALS | 13076704.27 | 13076793.27 | 13076517.27 | 13076332.27 | 13076382.27 | 13076372.27 | 13076372.27 | 13076372.27 | 13076372.27 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 13043270.00 | 13043360.00 | 13043070.00 | 13042870.00 | 13050530.00 | 13050520.00 | 13050520.00 | 13050520.00 | 13050520.00 |

Comments:

Land area: total area excluding area under inland water bodies. The definition of inland water bodies generally includes major rivers and lakes.

Total Area

Units: thousand hectares

Data Source: FAOSTAT (data as of July 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1961-1999

| | 1961 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| AFRICA | 3030973.00 | 3031198.90 | 3031198.90 | 3031198.90 | 3031198.90 | 3031198.90 | 3031198.90 | 3031198.90 | 3031198.90 |
| Central Africa | 536596.00 | 536596.00 | 536596.00 | 536596.00 | 536596.00 | 536596.00 | 536596.00 | 536596.00 | 536596.00 |
| Eastern Africa | 275834.00 | 275834.00 | 275834.00 | 275834.00 | 275834.00 | 275834.00 | 275834.00 | 275834.00 | 275834.00 |
| Northern Africa | 852470.00 | 852470.00 | 852470.00 | 852470.00 | 852470.00 | 852470.00 | 852470.00 | 852470.00 | 852470.00 |
| Southern Africa | 693031.00 | 693031.00 | 693031.00 | 693031.00 | 693031.00 | 693031.00 | 693031.00 | 693031.00 | 693031.00 |
| Western Africa | 613803.00 | 613803.00 | 613803.00 | 613803.00 | 613803.00 | 613803.00 | 613803.00 | 613803.00 | 613803.00 |
| Western Indian Ocean | 59239.00 | 59464.90 | 59464.90 | 59464.90 | 59464.90 | 59464.90 | 59464.90 | 59464.90 | 59464.90 |
| ASIA AND PACIFIC | 3558234.20 | 3558234.20 | 3558234.20 | 3558234.20 | 3558280.20 | 3558280.20 | 3558280.20 | 3558280.20 | 3558280.20 |
| Australia and New Zealand | 801175.00 | 801175.00 | 801175.00 | 801175.00 | 801175.00 | 801175.00 | 801175.00 | 801175.00 | 801175.00 |
| Central Asia | 400340.00 | 400340.00 | 400340.00 | 400340.00 | 400340.00 | 400340.00 | 400340.00 | 400340.00 | 400340.00 |
| North West Pacific and East Asia | 1176217.00 | 1176217.00 | 1176217.00 | 1176217.00 | 1176217.00 | 1176217.00 | 1176217.00 | 1176217.00 | 1176217.00 |
| South Asia | 677279.00 | 677279.00 | 677279.00 | 677279.00 | 677279.00 | 677279.00 | 677279.00 | 677279.00 | 677279.00 |
| South East Asia | 448008.50 | 448008.50 | 448008.50 | 448008.50 | 448008.50 | 448008.50 | 448008.50 | 448008.50 | 448008.50 |
| South Pacific | 55214.70 | 55214.70 | 55214.70 | 55214.70 | 55260.70 | 55260.70 | 55260.70 | 55260.70 | 55260.70 |
| EUROPE | 2404083.24 | 2404082.24 | 2404082.24 | 2404082.24 | 2404082.24 | 2404082.24 | 2404082.24 | 2404082.24 | 2404082.24 |
| Central Europe | 213698.00 | 213698.00 | 213698.00 | 213698.00 | 213698.00 | 213698.00 | 213698.00 | 213698.00 | 213698.00 |
| Eastern Europe | 1810665.00 | 1810665.00 | 1810665.00 | 1810665.00 | 1810665.00 | 1810665.00 | 1810665.00 | 1810665.00 | 1810665.00 |
| Western Europe | 379720.24 | 379719.24 | 379719.24 | 379719.24 | 379719.24 | 379719.24 | 379719.24 | 379719.24 | 379719.24 |
| LATIN AMERICA AND CARIBBEAN | 2058068.00 | 2058068.00 | 2058068.00 | 2058068.00 | 2058068.00 | 2058068.00 | 2058068.00 | 2058068.00 | 2058068.00 |
| Caribbean | 23475.00 | 23475.00 | 23475.00 | 23475.00 | 23475.00 | 23475.00 | 23475.00 | 23475.00 | 23475.00 |
| Meso-America | 247980.00 | 247980.00 | 247980.00 | 247980.00 | 247980.00 | 247980.00 | 247980.00 | 247980.00 | 247980.00 |
| South America | 1786613.00 | 1786613.00 | 1786613.00 | 1786613.00 | 1786613.00 | 1786613.00 | 1786613.00 | 1786613.00 | 1786613.00 |
| NORTH AMERICA | 1959994.00 | 1959994.00 | 1959994.00 | 1959994.00 | 1959994.00 | 1959994.00 | 1959994.00 | 1959994.00 | 1959994.00 |
| North America | 1959994.00 | 1959994.00 | 1959994.00 | 1959994.00 | 1959994.00 | 1959994.00 | 1959994.00 | 1959994.00 | 1959994.00 |
| POLAR | 1435385.00 | 1435385.00 | 1435385.00 | 1435385.00 | 1435385.00 | 1435385.00 | 1435385.00 | 1435385.00 | 1435385.00 |
| Antarctic | 1401215.00 | 1401215.00 | 1401215.00 | 1401215.00 | 1401215.00 | 1401215.00 | 1401215.00 | 1401215.00 | 1401215.00 |
| Arctic | 34170.00 | 34170.00 | 34170.00 | 34170.00 | 34170.00 | 34170.00 | 34170.00 | 34170.00 | 34170.00 |
| WEST ASIA | 373256.00 | 373256.00 | 373256.00 | 373256.00 | 373256.00 | 373256.00 | 373256.00 | 373256.00 | 373256.00 |
| Arabian Peninsula | 300323.00 | 300323.00 | 300323.00 | 300323.00 | 300323.00 | 300323.00 | 300323.00 | 300323.00 | 300323.00 |
| Mashriq | 72933.00 | 72933.00 | 72933.00 | 72933.00 | 72933.00 | 72933.00 | 72933.00 | 72933.00 | 72933.00 |
| GLOBAL TOTALS | 14819993.44 | 14820218.34 | 14820218.34 | 14820218.34 | 14820264.34 | 14820264.34 | 14820264.34 | 14820264.34 | 14820264.34 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 14819993.44 | 14819993.44 | 14819993.44 | 14819993.44 | 14819993.44 | 14819993.44 | 14819993.44 | 14819993.44 | 14819993.44 |

Comments:

Total area is the whole area of the country, including area under inland water bodies. The definition of inland water bodies generally includes major rivers and lakes.

The World Factbook can be accessed on the Internet at: <http://www.cia.gov/cia/publications/factbook/index.html>.

1.2.3 Fertilizer and Pesticides Consumption and Production

The Statistics Division of the Food and Agriculture Organization of the United Nations started the collection of data on consumption of major individual pesticides products about three decades ago. However, the response to the related Pesticides Consumption Annual Questionnaire sent to all member countries was not very encouraging. Therefore, in 1986 in co-operation with the Commission of the European Union, a study was undertaken to find ways to improve the country coverage of the data.

The present work of collecting data on groups of pesticides is a result of the recommendations of this study. Data collected earlier have been published in various issues of the production yearbook. The present database refers to the quantity of pesticides used in or sold to the agricultural sector expressed in metric tonnes of active ingredients. A strict inter-country comparison on the basis of the database is not feasible because the country coverage and time series are incomplete due to a high rate of non-response.

Fertilizer – Consumption

Units: metric tonnes

Data Source: FAOSTAT (data as of December 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1961-1999

| | 1961 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| AFRICA | 716141.00 | 1615122.00 | 3241614.00 | 3654952.00 | 3449489.00 | 3753605.00 | 3675659.00 | 3795243.00 | 3960153.00 |
| Central Africa | 5398.00 | 38127.00 | 42990.00 | 36536.00 | 50258.00 | 56400.00 | ---- | 65204.00 | 73925.00 |
| Eastern Africa | 15400.00 | 65155.00 | 109200.00 | 236181.00 | 218614.00 | 347542.00 | 274684.00 | 305612.00 | 341250.00 |
| Northern Africa | 364609.00 | 651260.00 | 1301917.00 | 1658795.00 | 1659495.00 | 1740300.00 | 1738690.00 | 1799777.00 | 1927550.00 |
| Southern Africa | 283565.00 | 752160.00 | 1455787.00 | 1141647.00 | 1068202.00 | 1140461.00 | 1113786.00 | 1088138.00 | 1134819.00 |
| Western Africa | 19506.00 | 59424.00 | 291948.00 | 531105.00 | 401970.00 | 405042.00 | 446689.00 | 488834.00 | 439203.00 |
| Western Indian Ocean | 27663.00 | 48996.00 | 39772.00 | 50688.00 | 50950.00 | 63860.00 | 50256.00 | 47678.00 | 43406.00 |
| ASIA AND PACIFIC | 5003488.33 | 14126996.98 | 33460187.48 | 57483332.97 | 67725221.00 | 69198918.00 | 71429821.00 | 72844528.00 | 75996704.00 |
| Australia and New Zealand | 962313.00 | 14119690.00 | 1626643.00 | 1506800.00 | 2550000.00 | 2675900.00 | 2831800.00 | 2911500.00 | 2972100.00 |
| Central Asia | 394404.33 | 1500773.98 | 2729685.48 | 3148539.97 | 798000.00 | 811100.00 | 1214427.00 | 1001623.00 | 1002151.00 |
| North West Pacific and East Asia | 2740284.00 | 7235502.00 | 18691150.00 | 30914803.00 | 38306529.00 | 38550452.00 | 38324300.00 | 38535000.00 | 39185100.00 |
| South Asia | 501631.00 | 2907840.00 | 7881166.00 | 16194072.00 | 18895912.00 | 19379531.00 | 21484120.00 | 21811283.00 | 23976316.00 |
| South East Asia | 403122.00 | 1055244.00 | 2507540.00 | 5681118.00 | 7141180.00 | 7747335.00 | 7540274.00 | 8556622.00 | 8835193.00 |
| South Pacific | ---- | ---- | 24003.00 | 38000.00 | 33600.00 | 34600.00 | 34900.00 | 28500.00 | 25844.00 |
| EUROPE | 16398940.67 | 34209977.02 | 48772553.52 | 46912979.03 | 26301119.00 | 27180155.00 | 25670124.00 | 26538773.00 | 26222368.00 |
| Central Europe | 2580918.30 | 7379569.02 | 11654244.34 | 8936795.30 | 5174267.00 | 5657232.00 | 5764385.00 | 5881797.00 | 5654618.00 |
| Eastern Europe | 2231107.37 | 8489734.01 | 15441568.18 | 17810987.73 | 3348000.00 | 3046800.00 | 3150500.00 | 2664042.00 | 2763207.00 |
| Western Europe | 11586915.00 | 18340674.00 | 21676741.00 | 20165196.00 | 17778852.00 | 18476123.00 | 16755239.00 | 17992934.00 | 17804543.00 |
| LATIN AMERICA AND CARIBBEAN | 979127.00 | 2908835.00 | 7508539.00 | 7926786.00 | 8522113.00 | 10252730.00 | 11225068.00 | 11349345.00 | 11427316.00 |
| Caribbean | 160264.00 | 503573.00 | 645317.00 | 747380.00 | 415057.00 | 412391.00 | 429014.00 | 361727.00 | 327259.00 |
| Meso-America | 260404.00 | 772555.00 | 1572460.00 | 2198063.00 | 1816487.00 | 2231280.00 | 2403825.00 | 2487025.00 | 2487938.00 |
| South America | 558459.00 | 1632707.00 | 5290762.00 | 4981343.00 | 6290569.00 | 7609059.00 | 8392229.00 | 8500593.00 | 8612119.00 |
| NORTH AMERICA | 8048099.00 | 16337600.00 | 23418446.00 | 20660788.00 | 22605781.00 | 23006639.00 | 22891250.00 | 22423126.00 | 22450549.00 |
| North America | 8048099.00 | 16337600.00 | 23418446.00 | 20660788.00 | 22605781.00 | 23006639.00 | 22891250.00 | 22423126.00 | 22450549.00 |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | ---- | 108972.00 | 318270.00 | 1086890.00 | 1080243.00 | 1153178.00 | 1187721.00 | 1206217.00 | 1296939.00 |
| Arabian Peninsula | ---- | 4800.00 | 57638.00 | 535420.00 | 344500.00 | 366379.00 | 379595.00 | 410053.00 | 432702.00 |
| Mashriq | 32448.00 | 104172.00 | 260632.00 | 551470.00 | 735743.00 | 786799.00 | 808126.00 | 796164.00 | 864237.00 |
| GLOBAL TOTALS | 31182244.00 | 69307503.00 | 116719610.00 | 137725728.00 | 129683966.00 | 134545225.00 | 136079643.00 | 138157232.00 | 141354029.00 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 31182244.00 | 69307503.00 | 116719610.00 | 137725728.00 | 129690966.00 | 134555125.00 | 136087643.00 | 138166852.00 | 141360187.00 |

Comments:

Fertilizer consumption refers to the application of nutrients in terms of nitrogen (N), phosphate (P₂O₅), and potash (K₂O) consumed in agriculture by a country. The fertilizer year is July 1 to June 30. For countries that report their fertilizer statistics on a calendar year basis, data are shown under the fertilizer year that begins in that calendar year, for example, 1991 data are under 1991/92.

Fertilizer – Production

Units: metric tonnes

Data Source: FAOSTAT (data as of December 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1961-1999

| | 1961 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| AFRICA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | 225924.00 | 532335.00 | 1229572.00 | 3470799.00 | 3688598.00 | 3887660.00 | 3600400.00 | 3976580.00 | 4191800.00 |
| Southern Africa | --- | --- | 1069165.00 | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | 3562576.38 | 10095783.50 | 25343712.54 | 41272216.88 | 48898477.00 | 50926673.00 | 52103261.00 | 54040691.00 | 56554648.00 |
| Australia and New Zealand | 807628.00 | 1151602.00 | 1389000.00 | 724700.00 | 1012100.00 | 922100.00 | 985200.00 | 1008500.00 | 997720.00 |
| Central Asia | 317956.38 | 1149507.50 | 2136335.54 | 2730617.88 | 1267700.00 | 1337400.00 | 1126400.00 | 954400.00 | 941700.00 |
| North West Pacific and East Asia | 2106473.00 | 6237500.00 | 16385200.00 | 22469217.00 | 27685100.00 | 29429600.00 | 29122400.00 | 30577000.00 | 32241600.00 |
| South Asia | 242815.00 | 1305006.00 | 4014422.00 | 11527982.00 | 14772130.00 | 14813557.00 | 16632146.00 | 17300738.00 | 18051305.00 |
| South East Asia | --- | 252168.00 | 1418755.00 | 3819700.00 | 4161447.00 | 4424016.00 | 4237115.00 | 4200053.00 | 4322323.00 |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | 20304983.62 | 39807225.50 | 59072838.46 | 59632803.12 | 41328065.00 | 41589309.00 | 41906933.00 | 40945398.00 | 42177534.00 |
| Central Europe | 2305951.18 | 5373677.01 | 9868389.90 | 8712648.11 | 7520629.00 | 7589376.00 | 7099133.00 | 6203498.00 | 5869402.00 |
| Eastern Europe | 3224710.43 | 11658293.49 | 21666693.55 | 27693899.01 | 15096700.00 | 14855900.00 | 15621400.00 | 15826600.00 | 17602600.00 |
| Western Europe | 14774322.00 | 22775255.00 | 27537755.00 | 23226256.00 | 18710736.00 | 19144033.00 | 19186400.00 | 18915300.00 | 18705532.00 |
| LATIN AMERICA AND CARIBBEAN | 585006.00 | 1316711.00 | 3650207.00 | 4911152.00 | 5262743.00 | 5695936.00 | 5645242.00 | 5450058.00 | 5438440.00 |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | 602042.00 | 997587.00 | 1797679.00 | 1781000.00 | 1977400.00 | 1794700.00 | 1701235.00 | 1498300.00 |
| South America | 445533.00 | 566632.00 | 2494491.00 | 2734673.00 | 3163643.00 | 3385636.00 | 3511042.00 | 3458123.00 | 3614140.00 |
| NORTH AMERICA | 8658193.00 | 20253955.00 | 33193000.00 | 34556632.00 | 37953140.00 | 39358600.00 | 37788500.00 | 36103627.00 | 34488506.00 |
| North America | 8658193.00 | 20253955.00 | 33193000.00 | 34556632.00 | 37953140.00 | 39358600.00 | 37788500.00 | 36103627.00 | 34488506.00 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | 1139624.00 | 3216655.00 | 4242200.00 | 4280020.00 | 4408231.00 | 4850586.00 | 4934471.00 |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | --- | 59400.00 | 483924.00 | 1867029.00 | 2000400.00 | 2071620.00 | 1986931.00 | 2032018.00 | 2133549.00 |
| GLOBAL TOTALS | 33510747.00 | 72935228.00 | 124751936.00 | 148436999.00 | 142513274.00 | 146914488.00 | 146567588.00 | 146451940.00 | 148923199.00 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 33510747.00 | 72935228.00 | 124751936.00 | 148436999.00 | 142513274.00 | 146914488.00 | 146567588.00 | 146451940.00 | 148923199.00 |

Comments:

Fertilizer production refers to the production of plant nutrient for domestic use in agriculture in terms of nitrogen (N), phosphate (P_2O_5), and potash (K_2O).

Production based on imported ammonia, phosphoric acid or rock phosphate is considered national production, while that based on imported finished fertilizers (ammonium phosphate, potassium chloride, etc.) is excluded from national production to avoid double counting at the World level.

The fertilizer year is July 1 to June 30. For countries that report their fertilizer statistics on a calendar year basis, data are shown under the fertilizer year that begins in that calendar year; for example, 1991 data are under 1991/92.

Pesticides Consumption – Fungicides, Bactericides and Seed Treatments

Units: metric tonnes

Data Source: FAOSTAT (data as of December 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1990-1998

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|-----------|-----------|----------|----------|----------|-----------|-----------|-----------|-------|
| AFRICA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Southern Africa | --- | --- | --- | --- | --- | 6370.00 | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | 153.00 | 28.00 | 11.00 | 24.00 | 24.00 | 12.00 | 26.00 | 5.00 | 16.00 |
| ASIA AND PACIFIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Australia and New Zealand | --- | --- | 94193.00 | --- | --- | --- | --- | --- | --- |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Asia | 12923.00 | 13166.00 | 13236.00 | --- | 13453.00 | 16740.00 | 12146.00 | --- | --- |
| South East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Pacific | --- | --- | 39.00 | 40.00 | 57.00 | --- | --- | --- | --- |
| EUROPE | 177882.19 | 159198.93 | --- | --- | --- | --- | --- | 104609.00 | --- |
| Central Europe | --- | 21996.73 | 21259.00 | 23550.00 | 23586.00 | 23198.00 | --- | --- | --- |
| Eastern Europe | 17776.14 | 15383.20 | --- | --- | --- | --- | --- | 12110.00 | --- |
| Western Europe | --- | --- | --- | --- | --- | 166015.00 | 132419.00 | --- | --- |
| LATIN AMERICA AND CARIBBEAN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South America | --- | --- | --- | 19732.00 | 20845.00 | 23920.00 | --- | --- | --- |
| NORTH AMERICA | 24650.00 | 21319.00 | 20412.00 | 21319.00 | 25552.00 | 22226.00 | 24040.00 | 24040.00 | --- |
| North America | 24650.00 | 21319.00 | 20412.00 | 21319.00 | 25552.00 | 22226.00 | 24040.00 | 24040.00 | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | 234.00 | 578.00 | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Pesticides consumption corresponds to the quantities of pesticides used in (or sold to) the agricultural sector. Figures are generally expressed in terms of active ingredients data.

Fungicides, bactericides and seed treatments include: inorganics, dithiocarbamates, benzimidazoles, triazoles, diazoines, diazines, morpholines and others not elsewhere classified.

Pesticides Consumption – Herbicides

Units: metric tonnes

Data Source: FAOSTAT (data as of December 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1990-1998

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|
| AFRICA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Southern Africa | --- | --- | --- | --- | 8834.00 | 8652.00 | 9055.00 | --- | --- |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | 657.00 | 9.00 | 24.00 | 27.00 | 946.00 | 907.00 | 1039.00 | 1010.00 | 31.00 |
| ASIA AND PACIFIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Australia and New Zealand | --- | --- | 18031.00 | --- | --- | --- | --- | --- | --- |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Asia | 8846.00 | 8750.00 | 11816.00 | --- | 11060.00 | 9299.00 | 12210.00 | --- | --- |
| South East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Pacific | --- | --- | 163.00 | 116.00 | 150.00 | 110.00 | --- | --- | --- |
| EUROPE | --- | --- | --- | --- | --- | --- | --- | 94567.00 | --- |
| Central Europe | --- | 24104.46 | 27788.00 | 41415.00 | 37113.00 | 34455.00 | --- | --- | --- |
| Eastern Europe | 32839.10 | 41769.85 | --- | --- | --- | --- | --- | 12152.00 | --- |
| Western Europe | 111919.00 | 109527.00 | 97200.00 | 101215.00 | 112673.00 | 114123.00 | 106775.00 | --- | --- |
| LATIN AMERICA AND CARIBBEAN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South America | --- | 23997.00 | 29619.00 | 39634.00 | 54153.00 | 66366.00 | --- | --- | --- |
| NORTH AMERICA | 226869.00 | 195580.00 | 199762.00 | 188777.00 | 237902.00 | 205106.00 | 218177.00 | 213187.00 | --- |
| North America | 226869.00 | 195580.00 | 199762.00 | 188777.00 | 237902.00 | 205106.00 | 218177.00 | 213187.00 | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | 1204.00 | 2035.00 | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | 353.00 | 966.00 | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Pesticides consumption corresponds to the quantities of pesticides used in (or sold to) the agricultural sector. Figures are generally expressed in terms of active ingredients data.

Pesticides Consumption – Insecticides

Units: metric tonnes

Data Source: FAOSTAT (data as of December 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1990-1998

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|----------|----------|----------|----------|-----------|----------|----------|----------|---------|
| AFRICA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Southern Africa | --- | --- | --- | --- | 5552.00 | 5644.00 | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | 166.00 | 101.00 | 66.00 | 77.00 | 412.00 | 655.00 | 438.00 | 741.00 | 49.00 |
| ASIA AND PACIFIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Australia and New Zealand | --- | --- | 7430.00 | --- | --- | --- | --- | --- | --- |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Asia | 65335.00 | 62622.00 | 61672.00 | --- | 49599.00 | 49728.00 | 48513.00 | --- | --- |
| South East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Pacific | --- | --- | 452.00 | 117.00 | 17.00 | 1.00 | --- | --- | --- |
| EUROPE | --- | --- | --- | --- | --- | --- | --- | 27643.00 | --- |
| Central Europe | --- | 10904.06 | 10701.00 | 13674.00 | 11103.00 | 10712.00 | --- | --- | --- |
| Eastern Europe | --- | --- | --- | --- | --- | --- | --- | 1686.00 | --- |
| Western Europe | --- | 56026.00 | 50171.00 | 52219.00 | 51652.00 | 57362.00 | 26483.00 | --- | --- |
| LATIN AMERICA AND CARIBBEAN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South America | --- | --- | --- | 17775.00 | 23475.00 | 30065.00 | --- | --- | --- |
| NORTH AMERICA | 92724.00 | --- | --- | --- | 106845.00 | --- | --- | --- | --- |
| North America | 92724.00 | --- | --- | --- | 106845.00 | --- | --- | --- | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | 1121.00 | 2413.00 |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | 572.00 | 1662.00 | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Pesticides consumption corresponds to the quantities of pesticides used in (or sold to) the agricultural sector. Figures are generally expressed in terms of active ingredients data.

Insecticides include: chlorinated hydrocarbons, organo-phosphates, carbamates-insecticides, pyrethroids, botanical and biological products and others not elsewhere classified.

Pesticides Consumption – Mineral Oils

Units: metric tonnes

Data Source: FAOSTAT (data as of December 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1990-1998

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|------|
| AFRICA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Australia and New Zealand | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Europe | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Europe | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Europe | --- | --- | --- | --- | --- | 11690.00 | 11496.00 | --- | --- |
| LATIN AMERICA AND CARIBBEAN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NORTH AMERICA | 74389.00 | 63503.00 | 75296.00 | 73028.00 | 73935.00 | 76203.00 | 68946.00 | 78925.00 | --- |
| North America | 74389.00 | 63503.00 | 75296.00 | 73028.00 | 73935.00 | 76203.00 | 68946.00 | 78925.00 | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Pesticides consumption corresponds to the quantities of pesticides used in (or sold to) the agricultural sector. Figures are generally expressed in terms of active ingredients data.

Pesticides Consumption – Plant Growth Regulators

Units: metric tonnes

Data Source: FAOSTAT (data as of December 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1990-1998

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|----------|----------|----------|---------|----------|----------|----------|------|------|
| AFRICA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | 9.00 | --- | --- |
| ASIA AND PACIFIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Australia and New Zealand | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Asia | --- | --- | 46.00 | --- | 62.00 | 67.00 | --- | --- | --- |
| South East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Europe | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Europe | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Europe | 22225.00 | 17243.00 | 18328.00 | --- | 14923.00 | 15728.00 | 15072.00 | --- | --- |
| LATIN AMERICA AND CARIBBEAN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South America | --- | --- | --- | --- | --- | 1111.00 | --- | --- | --- |
| NORTH AMERICA | 4200.00 | 4000.00 | 4354.00 | 4000.00 | 4090.00 | 4000.00 | --- | --- | --- |
| North America | 4200.00 | 4000.00 | 4354.00 | 4000.00 | 4090.00 | 4000.00 | --- | --- | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | --- | 5.00 | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Pesticides consumption corresponds to the quantities of pesticides used in (or sold to) the agricultural sector. Figures are generally expressed in terms of active ingredients data.

Pesticides Consumption – Rodenticides

Units: metric tonnes

Data Source: FAOSTAT (data as of December 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1990-1998

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|----------|----------|----------|----------|----------|----------|--------|--------|------|
| AFRICA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Australia and New Zealand | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Asia | --- | 611.00 | 705.00 | --- | 336.00 | 285.00 | 329.00 | --- | --- |
| South East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Pacific | --- | --- | --- | 53.00 | --- | --- | --- | --- | --- |
| EUROPE | --- | --- | --- | --- | --- | --- | --- | 139.00 | --- |
| Central Europe | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Europe | --- | --- | --- | --- | --- | --- | --- | 13.00 | --- |
| Western Europe | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| LATIN AMERICA AND CARIBBEAN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NORTH AMERICA | 11340.00 | 11340.00 | 11340.00 | 11340.00 | 11340.00 | 11340.00 | --- | --- | --- |
| North America | 11340.00 | 11340.00 | 11340.00 | 11340.00 | 11340.00 | 11340.00 | --- | --- | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Rodenticides include anti-coagulants and others not elsewhere classified.

1.2.4 Land Use

Arable and Permanent Crops - Percent of Land Area

Units: percent of land area

Data Source: FAOSTAT (data as of July 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1961-1999

| | 1961 | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | 12.28 | 12.74 | 12.86 | 12.72 | 12.70 | 12.61 | 12.49 | 12.32 | 12.22 | 12.23 | 12.23 | 12.23 | 12.23 |
| Central Africa | 3.36 | 3.56 | 3.91 | 4.06 | 4.06 | 4.08 | 4.08 | 4.09 | 4.10 | 4.11 | 4.11 | 4.12 | 4.12 |
| Eastern Africa | 8.58 | 9.83 | 10.62 | 11.21 | 11.22 | 11.23 | 10.50 | 9.95 | 9.96 | 9.97 | 10.03 | 10.10 | 10.15 |
| Northern Africa | 4.15 | 4.36 | 4.59 | 4.93 | 4.95 | 5.04 | 5.28 | 5.33 | 5.49 | 5.62 | 5.63 | 5.62 | 5.56 |
| Southern Africa | 4.55 | 4.83 | 5.09 | 5.47 | 5.54 | 5.61 | 5.68 | 5.74 | 5.81 | 5.82 | 5.82 | 5.82 | 5.81 |
| Western Africa | 8.01 | 8.46 | 9.13 | 10.05 | 10.13 | 10.22 | 10.54 | 10.72 | 10.93 | 10.91 | 10.97 | 10.97 | 10.96 |
| Western Indian Ocean | 4.03 | 4.46 | 5.54 | 5.74 | 5.75 | 5.73 | 5.74 | 5.73 | 5.73 | 5.73 | 5.74 | 5.74 | 5.73 |
| ASIA AND PACIFIC | 5.08 | 5.80 | 6.87 | 7.42 | 7.49 | 7.56 | 7.63 | 7.66 | 7.92 | 7.89 | 7.89 | 7.90 | 7.91 |
| Australia and New Zealand | 4.26 | 5.70 | 6.00 | 6.53 | 6.26 | 6.39 | 6.27 | 7.32 | 6.74 | 6.98 | 6.73 | 7.18 | 6.48 |
| Central Asia | 11.36 | 11.04 | 10.97 | 10.84 | 10.84 | 11.23 | 11.27 | 11.21 | 10.42 | 10.22 | 9.96 | 9.95 | 9.95 |
| North West Pacific and East Asia | 10.08 | 9.86 | 9.67 | 12.38 | 12.38 | 12.41 | 12.49 | 12.54 | 12.64 | 12.66 | 12.68 | 12.68 | 12.67 |
| South Asia | 33.29 | 34.54 | 34.95 | 35.72 | 35.90 | 35.87 | 36.06 | 36.11 | 36.16 | 36.11 | 36.12 | 36.20 | 36.29 |
| South East Asia | 15.66 | 16.53 | 18.00 | 20.82 | 20.43 | 20.44 | 20.64 | 20.64 | 20.64 | 20.75 | 20.48 | 20.49 | 20.46 |
| South Pacific | 1.67 | 1.90 | 2.08 | 2.42 | 2.46 | 2.48 | 2.48 | 2.50 | 2.57 | 2.61 | 2.61 | 2.61 | 2.61 |
| EUROPE | 15.79 | 15.41 | 15.19 | 14.98 | 14.94 | 14.87 | 14.73 | 14.66 | 14.54 | 14.57 | 14.63 | 14.46 | 14.37 |
| Central Europe | 39.56 | 40.07 | 39.89 | 39.01 | 38.98 | 38.47 | 38.37 | 38.43 | 38.04 | 38.95 | 39.03 | 38.06 | 37.77 |
| Eastern Europe | 10.56 | 10.26 | 10.20 | 10.08 | 10.08 | 10.07 | 9.94 | 9.89 | 9.83 | 9.74 | 9.81 | 9.72 | 9.64 |
| Western Europe | 27.92 | 26.63 | 25.63 | 25.31 | 25.10 | 24.99 | 24.80 | 24.54 | 24.26 | 24.40 | 24.37 | 24.28 | 24.24 |
| LATIN AMERICA AND CARIBBEAN | 5.27 | 5.64 | 6.05 | 6.51 | 6.55 | 6.61 | 6.70 | 6.71 | 6.82 | 6.86 | 6.88 | 6.88 | 6.87 |
| Caribbean | 18.28 | 23.33 | 27.66 | 31.03 | 31.53 | 32.15 | 32.66 | 33.31 | 33.22 | 33.06 | 32.88 | 33.12 | 33.21 |
| Meso-America | 12.26 | 12.05 | 12.93 | 13.95 | 14.05 | 14.19 | 14.54 | 14.71 | 14.89 | 14.87 | 14.83 | 14.83 | 14.81 |
| South America | 3.92 | 4.71 | 5.77 | 6.21 | 6.27 | 6.32 | 6.35 | 6.35 | 6.63 | 6.60 | 6.61 | 6.61 | 6.63 |
| NORTH AMERICA | 13.75 | 14.31 | 14.57 | 16.09 | 16.00 | 16.09 | 16.15 | 16.41 | 16.23 | 16.28 | 16.16 | 16.28 | 16.13 |
| North America | 12.28 | 12.74 | 12.86 | 12.72 | 12.70 | 12.61 | 12.49 | 12.32 | 12.22 | 12.23 | 12.23 | 12.23 | 12.23 |
| POLAR | 3.81 | 3.88 | 4.10 | 4.61 | 4.65 | 4.63 | 4.67 | 4.68 | 4.69 | 4.61 | 4.70 | 4.69 | 4.69 |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arabian Peninsula | 0.85 | 0.96 | 1.17 | 1.75 | 1.81 | 1.79 | 1.89 | 1.89 | 1.90 | 1.81 | 1.91 | 1.90 | 1.90 |
| Mashriq | 16.17 | 16.02 | 16.35 | 16.55 | 16.48 | 16.46 | 16.24 | 16.28 | 16.31 | 16.27 | 16.34 | 16.29 | 16.32 |
| GLOBAL TOTALS | 10.35 | 10.70 | 11.01 | 11.55 | 11.55 | 11.57 | 11.57 | 11.61 | 11.59 | 11.62 | 11.60 | 11.60 | 11.55 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 10.35 | 10.35 | 10.35 | 10.35 | 10.35 | 10.35 | 10.35 | 10.35 | 10.35 | 10.35 | 10.35 | 10.35 | 10.35 |

Comments:

Arable and permanent crops shows the total of data from arable land and land under permanent crops:

Arable land: land under temporary crops (double-cropped areas are counted only once), temporary meadows for mowing or pasture, land under market and kitchen gardens and land temporarily fallow (less than five years). The abandoned land resulting from shifting cultivation is not included in this category. Data for "arable land" are not meant to indicate the amount of land that is potentially cultivable.

Permanent crops: land cultivated with crops that occupy the land for long periods and need not be replanted after each harvest, such as cocoa, coffee and rubber; this category includes land under flowering shrubs, fruit trees, nut trees and vines, but excludes land under trees grown for wood or timber.

Arable and Permanent Crops - Total

Units: thousand hectares

Data Source: FAOSTAT (data as of July 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1961-1999

| | 1961 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| AFRICA | 154948.00 | 165752.00 | 177954.00 | 191207.00 | 200406.00 | 201451.00 | 202200.00 | 202250.00 | 201782.00 |
| Central Africa | 17627.00 | 18646.00 | 20518.00 | 21261.00 | 21506.00 | 21548.00 | 21571.00 | 21594.00 | 21596.00 |
| Eastern Africa | 21829.00 | 25029.00 | 27035.00 | 28517.00 | 25356.00 | 25362.00 | 25518.00 | 25715.00 | 25839.00 |
| Northern Africa | 33669.00 | 35398.00 | 37224.00 | 39967.00 | 44521.00 | 45568.00 | 45699.00 | 45600.00 | 45110.00 |
| Southern Africa | 30930.00 | 32820.00 | 34611.00 | 37202.00 | 39482.00 | 39546.00 | 39585.00 | 39554.00 | 39516.00 |
| Western Africa | 48518.00 | 51235.00 | 55307.00 | 60881.00 | 66168.00 | 66054.00 | 66450.00 | 66410.00 | 66347.00 |
| Western Indian Ocean | 2375.00 | 2624.00 | 3259.00 | 3379.00 | 3373.00 | 3373.00 | 3377.00 | 3377.00 | 3374.00 |
| ASIA AND PACIFIC | 476106.57 | 495683.30 | 504721.23 | 557061.53 | 562046.00 | 563675.00 | 559734.00 | 563828.00 | 558629.00 |
| Australia and New Zealand | 33845.00 | 45287.00 | 47686.00 | 51946.00 | 53576.00 | 55499.00 | 53480.00 | 57066.00 | 51509.00 |
| Central Asia | 44478.57 | 43217.30 | 42942.23 | 42460.53 | 40823.00 | 40019.00 | 39000.00 | 38972.00 | 38975.00 |
| North West Pacific and East Asia | 115667.00 | 113146.00 | 110958.00 | 142120.00 | 145045.00 | 145340.00 | 145566.00 | 145502.00 | 145448.00 |
| South Asia | 213183.00 | 221176.00 | 223800.00 | 228754.00 | 231527.00 | 231248.00 | 231276.00 | 231829.00 | 232370.00 |
| South East Asia | 68031.00 | 71829.00 | 78210.00 | 90472.00 | 89676.00 | 90148.00 | 88990.00 | 89037.00 | 88905.00 |
| South Pacific | 902.00 | 1028.00 | 1125.00 | 1309.00 | 1399.00 | 1421.00 | 1422.00 | 1422.00 | 1422.00 |
| EUROPE | 372450.43 | 363506.70 | 358360.77 | 353292.47 | 343011.00 | 343808.00 | 345085.00 | 341089.00 | 338981.00 |
| Central Europe | 82807.14 | 83871.09 | 83499.83 | 81650.07 | 79622.00 | 81521.00 | 81685.00 | 79662.00 | 79057.00 |
| Eastern Europe | 188972.29 | 183613.61 | 182444.94 | 180398.40 | 175916.00 | 174327.00 | 175526.00 | 173867.00 | 172528.00 |
| Western Europe | 100671.00 | 96022.00 | 92416.00 | 91244.00 | 87473.00 | 87960.00 | 87874.00 | 87560.00 | 87396.00 |
| LATIN AMERICA AND CARIBBEAN | 102471.00 | 116945.00 | 138620.00 | 149642.00 | 159761.00 | 159166.00 | 159116.00 | 159295.00 | 159559.00 |
| Caribbean | 4179.00 | 5332.00 | 6322.00 | 7092.00 | 7593.00 | 7557.00 | 7515.00 | 7569.00 | 7591.00 |
| Meso-America | 29675.00 | 29144.00 | 31279.00 | 33761.00 | 36016.00 | 35975.00 | 35891.00 | 35885.00 | 35837.00 |
| South America | 68617.00 | 82469.00 | 101019.00 | 108789.00 | 116152.00 | 115634.00 | 115710.00 | 115841.00 | 116131.00 |
| NORTH AMERICA | 225712.00 | 234203.00 | 236327.00 | 233729.00 | 224603.00 | 224703.00 | 224703.00 | 224703.00 | 224703.00 |
| North America | 225712.00 | 234203.00 | 236327.00 | 233729.00 | 224603.00 | 224703.00 | 224703.00 | 224703.00 | 224703.00 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | 14200.00 | 14449.00 | 15284.00 | 17168.00 | 17451.00 | 17173.00 | 17513.00 | 17449.00 | 17460.00 |
| Arabian Peninsula | 2543.00 | 2887.00 | 3501.00 | 5243.00 | 5695.00 | 5444.00 | 5737.00 | 5708.00 | 5698.00 |
| Mashriq | 11657.00 | 11562.00 | 11783.00 | 11925.00 | 11756.00 | 11729.00 | 11776.00 | 11741.00 | 11762.00 |
| GLOBAL TOTALS | 1345888.00 | 1390539.00 | 1431267.00 | 1502100.00 | 1507278.00 | 1509976.00 | 1508351.00 | 1508614.00 | 1501114.00 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 1346202.00 | 1390865.00 | 1431603.00 | 1502448.00 | 1507618.00 | 1510316.00 | 1508690.00 | 1508953.00 | 1501452.00 |

Comments:

Arable and permanent crops shows the total of data from arable land and land under permanent crops:

Arable land: land under temporary crops (double-cropped areas are counted only once), temporary meadows for mowing or pasture, land under market and kitchen gardens and land temporarily fallow (less than five years). The abandoned land resulting from shifting cultivation is not included in this category. Data for "arable land" are not meant to indicate the amount of land that is potentially cultivable.

Permanent crops: land cultivated with crops that occupy the land for long periods and need not be replanted after each harvest, such as cocoa, coffee and rubber; this category includes land under flowering shrubs, fruit trees, nut trees and vines, but excludes land under trees grown for wood or timber.

Arable Land

Units: thousand hectares

Data Source: FAOSTAT (data as of July 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1961-1999

| | 1961 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| AFRICA | 140353.00 | 149101.00 | 158210.00 | 168440.00 | 176576.00 | 177246.00 | 177718.00 | 177684.00 | 177249.00 |
| Central Africa | 16298.00 | 16933.00 | 18096.00 | 18384.00 | 18632.00 | 18684.00 | 18717.00 | 18740.00 | 18742.00 |
| Eastern Africa | 19721.00 | 22228.00 | 23694.00 | 24912.00 | 21853.00 | 21838.00 | 21964.00 | 22141.00 | 22237.00 |
| Northern Africa | 31136.00 | 32689.00 | 33994.00 | 35786.00 | 40126.00 | 41037.00 | 41037.00 | 40893.00 | 40399.00 |
| Southern Africa | 28465.00 | 30271.00 | 31963.00 | 34441.00 | 36649.00 | 36698.00 | 36722.00 | 36672.00 | 36634.00 |
| Western Africa | 42599.00 | 44691.00 | 47736.00 | 52189.00 | 56539.00 | 56212.00 | 56501.00 | 56461.00 | 56461.00 |
| Western Indian Ocean | 2134.00 | 2289.00 | 2727.00 | 2728.00 | 2777.00 | 2777.00 | 2777.00 | 2777.00 | 2776.00 |
| ASIA AND PACIFIC | 449205.74 | 465714.93 | 470613.47 | 509529.99 | 506802.00 | 507633.00 | 503066.00 | 506921.00 | 501640.00 |
| Australia and New Zealand | 32685.00 | 44114.00 | 46531.00 | 50461.00 | 51717.00 | 53559.00 | 51525.00 | 55096.00 | 49534.00 |
| Central Asia | 43821.74 | 42406.93 | 42149.47 | 41773.99 | 40036.00 | 39236.00 | 38225.00 | 38199.00 | 38203.00 |
| North West Pacific and East Asia | 113134.00 | 109660.00 | 106650.00 | 133469.00 | 133493.00 | 133526.00 | 133462.00 | 133408.00 | 133363.00 |
| South Asia | 206255.00 | 214438.00 | 215977.00 | 219134.00 | 220250.00 | 219688.00 | 219372.00 | 219727.00 | 220213.00 |
| South East Asia | 53066.00 | 54858.00 | 59041.00 | 64331.00 | 60870.00 | 61186.00 | 60043.00 | 60052.00 | 59888.00 |
| South Pacific | 244.00 | 238.00 | 265.00 | 361.00 | 436.00 | 438.00 | 439.00 | 439.00 | 439.00 |
| EUROPE | 352727.26 | 341896.07 | 336341.53 | 332319.01 | 322708.00 | 323593.00 | 324787.00 | 320871.00 | 318702.00 |
| Central Europe | 78075.53 | 78344.21 | 77566.39 | 76037.70 | 74457.00 | 76385.00 | 76471.00 | 74501.00 | 73918.00 |
| Eastern Europe | 185311.74 | 179328.86 | 178240.13 | 176652.31 | 171700.00 | 170161.00 | 171452.00 | 169969.00 | 168647.00 |
| Western Europe | 89340.00 | 84223.00 | 80535.00 | 79629.00 | 76551.00 | 77047.00 | 76864.00 | 76401.00 | 76137.00 |
| LATIN AMERICA AND CARIBBEAN | 86612.00 | 99079.00 | 117147.00 | 125753.00 | 133679.00 | 133408.00 | 133179.00 | 133348.00 | 133216.00 |
| Caribbean | 3248.00 | 4116.00 | 4642.00 | 5218.00 | 5660.00 | 5635.00 | 5585.00 | 5639.00 | 5640.00 |
| Meso-America | 27142.00 | 26414.00 | 28302.00 | 30232.00 | 31979.00 | 31921.00 | 31591.00 | 31586.00 | 31434.00 |
| South America | 56222.00 | 68549.00 | 84203.00 | 90303.00 | 96040.00 | 95852.00 | 96003.00 | 96123.00 | 96142.00 |
| NORTH AMERICA | 223753.00 | 232348.00 | 234333.00 | 231565.00 | 222413.00 | 222513.00 | 222513.00 | 222513.00 | 222513.00 |
| North America | 223753.00 | 232348.00 | 234333.00 | 231565.00 | 222413.00 | 222513.00 | 222513.00 | 222513.00 | 222513.00 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | 13614.00 | 13740.00 | 14289.00 | 15647.00 | 15810.00 | 15467.00 | 15774.00 | 15669.00 | 15599.00 |
| Arabian Peninsula | 2418.00 | 2714.00 | 3292.00 | 4980.00 | 5366.00 | 5088.00 | 5369.00 | 5326.00 | 5264.00 |
| Mashriq | 11196.00 | 11026.00 | 10997.00 | 10667.00 | 10444.00 | 10379.00 | 10405.00 | 10343.00 | 10335.00 |
| GLOBAL TOTALS | 1266265.00 | 1301879.00 | 1330934.00 | 1383254.00 | 1377988.00 | 1379860.00 | 1377037.00 | 1377006.00 | 1368919.00 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 1266452.00 | 1302073.00 | 1331130.00 | 1383456.00 | 1378180.00 | 1380052.00 | 1377229.00 | 1377198.00 | 1369110.00 |

Comments:

Arable land: land under temporary crops (double-cropped areas are counted only once), temporary meadows for mowing or pasture, land under market and kitchen gardens and land temporarily fallow (less than five years). The abandoned land resulting from shifting cultivation is not included in this category. Data for "arable land" are not meant to indicate the amount of land that is potentially cultivable.

Forests and Woodland - Percent of Land Area

Units: percent of land area

Data Source: FAOSTAT (data as of July 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1961-1994

| | 1961 | 1970 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | 40.85 | 40.70 | 39.78 | 39.70 | 39.63 | 39.60 | 39.57 | 39.54 | 40.43 | 40.40 | 40.44 | 40.58 | 40.77 | 40.77 | 40.77 | 40.77 | 40.77 |
| Central Africa | 64.96 | 64.42 | 63.79 | 63.72 | 61.57 | 61.56 | 61.56 | 61.56 | 61.56 | 61.55 | 61.55 | 61.56 | 61.58 | 61.55 | 61.55 | 61.55 | 61.55 |
| Eastern Africa | 20.66 | 20.64 | 20.54 | 20.52 | 20.52 | 20.52 | 20.52 | 20.52 | 20.52 | 20.52 | 20.52 | 20.52 | 20.52 | 21.06 | 21.03 | 21.03 | 20.96 |
| Northern Africa | 6.68 | 6.82 | 6.94 | 6.95 | 6.95 | 6.96 | 6.96 | 6.99 | 6.97 | 7.01 | 7.05 | 7.09 | 7.04 | 6.97 | 6.91 | 7.01 | 6.96 |
| Southern Africa | 24.48 | 24.39 | 24.28 | 24.34 | 24.34 | 24.34 | 24.34 | 24.34 | 24.30 | 24.27 | 24.27 | 24.27 | 24.64 | 24.52 | 24.48 | 24.40 | 24.35 |
| Western Africa | 16.16 | 16.08 | 15.86 | 15.78 | 15.77 | 15.76 | 15.75 | 15.70 | 15.69 | 15.68 | 15.67 | 15.66 | 15.38 | 15.28 | 15.21 | 15.15 | 15.15 |
| Western Indian Ocean | 39.75 | 39.74 | 39.74 | 39.72 | 39.72 | 39.73 | 39.73 | 39.73 | 39.73 | 39.73 | 39.73 | 39.73 | 39.75 | 39.71 | 39.71 | 39.71 | 39.71 |
| ASIA AND PACIFIC | 51.62 | 50.01 | 49.73 | 49.73 | 49.73 | 49.73 | 49.79 | 49.80 | 50.31 | 50.37 | 50.41 | 50.43 | 50.56 | 50.42 | 50.20 | 50.07 | 49.90 |
| Australia and New Zealand | 19.25 | 19.25 | 19.25 | 19.25 | 19.25 | 19.25 | 19.25 | 19.25 | 19.25 | 19.25 | 19.25 | 19.25 | 19.28 | 19.20 | 19.20 | 19.20 | 19.20 |
| Central Asia | 18.85 | 18.85 | 19.17 | 19.17 | 19.17 | 19.17 | 19.17 | 19.17 | 19.17 | 19.17 | 19.17 | 19.17 | 19.44 | 19.44 | 16.76 | 16.75 | 16.75 |
| North West Pacific and East Asia | 18.29 | 17.41 | 16.48 | 16.38 | 16.28 | 16.19 | 16.09 | 15.99 | 15.90 | 15.69 | 15.60 | 15.60 | 15.57 | 15.92 | 15.92 | 15.92 | 15.92 |
| South Asia | 13.37 | 14.84 | 14.95 | 14.96 | 14.95 | 14.94 | 14.98 | 14.99 | 14.99 | 14.89 | 14.98 | 15.01 | 15.21 | 15.25 | 15.22 | 15.21 | 15.29 |
| South East Asia | 61.62 | 59.02 | 55.02 | 54.67 | 54.05 | 53.54 | 53.13 | 53.38 | 53.18 | 53.03 | 52.79 | 52.55 | 52.85 | 52.72 | 52.70 | 52.86 | 52.79 |
| South Pacific | 88.51 | 88.51 | 88.49 | 88.49 | 88.49 | 88.38 | 88.38 | 88.38 | 88.38 | 88.38 | 88.38 | 88.38 | 88.51 | 88.28 | 88.28 | 88.28 | 88.28 |
| EUROPE | 44.83 | 45.17 | 46.03 | 46.04 | 46.04 | 46.05 | 46.05 | 46.06 | 46.08 | 46.09 | 46.09 | 46.09 | 46.66 | 46.67 | 41.23 | 41.27 | 41.21 |
| Central Europe | 29.38 | 29.85 | 30.19 | 30.19 | 30.20 | 30.22 | 30.26 | 30.27 | 30.28 | 30.29 | 30.31 | 30.25 | 30.30 | 30.35 | 29.32 | 29.27 | 29.62 |
| Eastern Europe | 49.58 | 49.58 | 50.43 | 50.43 | 50.43 | 50.43 | 50.43 | 50.43 | 50.43 | 50.43 | 50.43 | 50.43 | 51.13 | 51.13 | 44.08 | 44.12 | 43.99 |
| Western Europe | 30.26 | 32.20 | 33.45 | 33.48 | 33.48 | 33.55 | 33.54 | 33.57 | 33.71 | 33.72 | 33.75 | 33.78 | 34.00 | 34.01 | 34.02 | 34.11 | 34.14 |
| LATIN AMERICA AND CARIBBEAN | 24.88 | 24.79 | 24.63 | 24.61 | 24.23 | 24.23 | 24.23 | 24.23 | 24.21 | 24.21 | 24.22 | 24.23 | 24.30 | 24.22 | 24.18 | 24.17 | 24.14 |
| Caribbean | 17.90 | 18.63 | 19.48 | 19.97 | 20.32 | 20.05 | 20.22 | 20.43 | 20.45 | 19.54 | 19.39 | 18.64 | 18.37 | 18.32 | 18.31 | 19.62 | 19.62 |
| Meso-America | 35.48 | 32.56 | 29.40 | 29.00 | 28.67 | 28.35 | 28.59 | 28.47 | 28.38 | 28.71 | 28.83 | 28.76 | 29.10 | 29.02 | 28.99 | 28.99 | 28.99 |
| South America | 54.29 | 52.82 | 52.93 | 52.97 | 53.02 | 53.06 | 53.11 | 53.12 | 53.73 | 53.76 | 53.79 | 53.83 | 53.94 | 53.79 | 53.54 | 53.38 | 53.18 |
| NORTH AMERICA | 24.19 | 23.85 | 23.09 | 23.02 | 22.91 | 22.81 | 22.73 | 22.73 | 22.68 | 22.57 | 22.53 | 22.50 | 22.61 | 22.69 | 22.38 | 22.40 | 22.40 |
| North America | 40.85 | 40.70 | 39.78 | 39.70 | 39.63 | 39.60 | 39.57 | 39.54 | 40.43 | 40.40 | 40.44 | 40.58 | 40.77 | 40.77 | 40.77 | 40.77 | 40.77 |
| POLAR | 1.87 | 1.87 | 1.75 | 1.62 | 1.47 | 1.35 | 1.36 | 1.23 | 1.25 | 1.28 | 1.28 | 1.30 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| WEST ASIA | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| Arabian Peninsula | 2.07 | 2.05 | 1.89 | 1.73 | 1.55 | 1.39 | 1.41 | 1.24 | 1.26 | 1.30 | 1.30 | 1.33 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 |
| Mashriq | 1.03 | 1.13 | 1.12 | 1.15 | 1.16 | 1.17 | 1.17 | 1.19 | 1.21 | 1.22 | 1.20 | 1.17 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 |
| GLOBAL TOTALS | 33.89 | 33.56 | 33.31 | 33.27 | 33.14 | 33.11 | 33.10 | 33.09 | 33.28 | 33.26 | 33.26 | 33.28 | 33.47 | 33.46 | 32.35 | 32.34 | 32.30 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 33.89 | 33.89 | 33.89 | 33.89 | 33.89 | 33.89 | 33.89 | 33.89 | 33.89 | 33.89 | 33.89 | 33.89 | 33.89 | 33.89 | 33.89 | 33.89 | 33.89 |

Comments:

Forests and woodland: land under natural or planted stands of trees, whether productive or not. This category includes land from which forests have been cleared but that will be reforested in the foreseeable future, but it excludes woodland or forest used only for recreation purposes. The question of shrub land, savannah, etc. raises the same problem as in the category "permanent meadows and pastures".

The forest and woodlands reporting was done from an agricultural perspective and handled forests as a side issue. Partly for this reason, the time series was discontinued in mid-1990s as it did not correspond to FAO figures on forest developments.

Irrigated Land

Units: thousand hectares

Data Source: FAOSTAT (data as of July 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1961-1999

| | 1961 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| AFRICA | 7410.00 | 8483.00 | 9491.00 | 11235.00 | 12380.00 | 12451.00 | 12458.00 | 12520.00 | 12538.00 |
| Central Africa | 27.00 | 35.00 | 55.00 | 75.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 |
| Eastern Africa | 276.00 | 315.00 | 389.00 | 480.00 | 567.00 | 567.00 | 567.00 | 567.00 | 568.00 |
| Northern Africa | 5373.00 | 6001.00 | 6183.00 | 7006.00 | 7873.00 | 7914.00 | 7911.00 | 7951.00 | 7965.00 |
| Southern Africa | 978.00 | 1251.00 | 1570.00 | 1838.00 | 1901.00 | 1931.00 | 1936.00 | 1956.00 | 1960.00 |
| Western Africa | 445.00 | 531.00 | 628.00 | 808.00 | 832.00 | 832.00 | 834.00 | 834.00 | 833.00 |
| Western Indian Ocean | 311.00 | 350.00 | 666.00 | 1028.00 | 1117.00 | 1117.00 | 1120.00 | 1122.00 | 1122.00 |
| ASIA AND PACIFIC | 91867.27 | 111928.87 | 136125.86 | 156786.90 | 169443.00 | 171534.00 | 174509.00 | 178351.00 | 181347.00 |
| Australia and New Zealand | 1078.00 | 1587.00 | 1683.00 | 2112.00 | 2685.00 | 2675.00 | 2665.00 | 2650.00 | 2536.00 |
| Central Asia | 4598.27 | 5429.87 | 8413.86 | 10174.90 | 10207.00 | 10087.00 | 10021.00 | 10204.00 | 10222.00 |
| North West Pacific and East Asia | 35006.00 | 43230.00 | 50987.00 | 53656.00 | 55354.00 | 56407.00 | 57229.00 | 58260.00 | 59102.00 |
| South Asia | 43135.00 | 52588.00 | 63251.00 | 76029.00 | 85023.00 | 86063.00 | 88156.00 | 90624.00 | 92720.00 |
| South East Asia | 8049.00 | 9093.00 | 11790.00 | 14814.00 | 16171.00 | 16299.00 | 16435.00 | 16610.00 | 16764.00 |
| South Pacific | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| EUROPE | 14601.73 | 18027.13 | 25698.14 | 31411.10 | 31842.00 | 31744.00 | 31778.00 | 31458.00 | 31357.00 |
| Central Europe | 3094.09 | 4441.82 | 7128.62 | 9420.40 | 9194.00 | 9166.00 | 9122.00 | 9099.00 | 8979.00 |
| Eastern Europe | 4786.63 | 5652.30 | 8758.52 | 10591.70 | 10580.00 | 10258.00 | 10080.00 | 9743.00 | 9668.00 |
| Western Europe | 6721.00 | 7933.00 | 9811.00 | 11399.00 | 12068.00 | 12320.00 | 12576.00 | 12616.00 | 12710.00 |
| LATIN AMERICA AND CARIBBEAN | 8260.00 | 10190.00 | 13807.00 | 16786.00 | 18123.00 | 18263.00 | 18411.00 | 18553.00 | 18601.00 |
| Caribbean | 441.00 | 705.00 | 1072.00 | 1267.00 | 1282.00 | 1282.00 | 1284.00 | 1289.00 | 1293.00 |
| Meso-America | 3158.00 | 3812.00 | 5343.00 | 6020.00 | 6855.00 | 6963.00 | 6973.00 | 6975.00 | 6982.00 |
| South America | 4661.00 | 5673.00 | 7392.00 | 9499.00 | 9986.00 | 10018.00 | 10154.00 | 10289.00 | 10326.00 |
| NORTH AMERICA | 14350.00 | 16421.00 | 21178.00 | 21618.00 | 22520.00 | 22720.00 | 23002.00 | 23020.00 | 23120.00 |
| North America | 14350.00 | 16421.00 | 21178.00 | 21618.00 | 22520.00 | 22720.00 | 23002.00 | 23020.00 | 23120.00 |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | 2490.00 | 2744.00 | 3407.00 | 6458.00 | 7062.00 | 7110.00 | 7165.00 | 7215.00 | 7191.00 |
| Arabian Peninsula | 602.00 | 702.00 | 985.00 | 2080.00 | 2257.00 | 2262.00 | 2268.00 | 2270.00 | 2273.00 |
| Mashriq | 1888.00 | 2042.00 | 2422.00 | 4378.00 | 4805.00 | 4848.00 | 4897.00 | 4945.00 | 4918.00 |
| GLOBAL TOTALS | 138979.00 | 167794.00 | 209707.00 | 244295.00 | 261370.00 | 263822.00 | 267323.00 | 271117.00 | 274154.00 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 138989.00 | 167803.00 | 209716.00 | 244305.00 | 261380.00 | 263833.00 | 267335.00 | 271129.00 | 274166.00 |

Comments:

Irrigated land: data on irrigation relates to areas equipped to provide water to the crops. These include areas equipped for full and partial control irrigation, spate irrigation areas and equipped wetland or inland valley bottoms.

Land in Permanent Crops

Units: thousand hectares

Data Source: FAOSTAT (data as of July 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1961-1999

| | 1961 | 1970 | 1980 | 1990 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| AFRICA | 14595.00 | 16650.00 | 19744.00 | 22767.00 | 23108.00 | 23125.00 | 23452.00 | 23830.00 | 24191.00 | 24482.00 | 24566.00 | 24596.00 |
| Central Africa | 1329.00 | 1713.00 | 2422.00 | 2877.00 | 2866.00 | 2869.00 | 2869.00 | 2874.00 | 2864.00 | 2854.00 | 2854.00 | 2854.00 |
| Eastern Africa | 2108.00 | 2801.00 | 3341.00 | 3605.00 | 3637.00 | 3532.00 | 3502.00 | 3503.00 | 3524.00 | 3554.00 | 3574.00 | 3602.00 |
| Northern Africa | 2533.00 | 2709.00 | 3230.00 | 4181.00 | 4264.00 | 4309.00 | 4342.00 | 4395.00 | 4517.00 | 4662.00 | 4707.00 | 4711.00 |
| Southern Africa | 2465.00 | 2549.00 | 2648.00 | 2761.00 | 2790.00 | 2805.00 | 2820.00 | 2833.00 | 2848.00 | 2863.00 | 2882.00 | 2882.00 |
| Western Africa | 5919.00 | 6543.00 | 7571.00 | 8692.00 | 8914.00 | 9002.00 | 9321.00 | 9629.00 | 9842.00 | 9949.00 | 9949.00 | 9949.00 |
| Western Indian Ocean | 241.00 | 335.00 | 532.00 | 651.00 | 637.00 | 608.00 | 598.00 | 596.00 | 596.00 | 600.00 | 600.00 | 598.00 |
| ASIA AND PACIFIC | 26937.20 | 29977.96 | 34118.11 | 47556.21 | 49308.00 | 51401.00 | 53617.00 | 55239.00 | 56037.00 | 56663.00 | 56902.00 | 56984.00 |
| Australia and New Zealand | 1160.00 | 1173.00 | 1155.00 | 1485.00 | 1513.00 | 1586.00 | 1737.00 | 1859.00 | 1940.00 | 1955.00 | 1970.00 | 1975.00 |
| Central Asia | 697.20 | 823.96 | 808.11 | 716.21 | 839.00 | 799.00 | 798.00 | 787.00 | 783.00 | 775.00 | 773.00 | 772.00 |
| North West Pacific and East Asia | 2533.00 | 3486.00 | 4308.00 | 8651.00 | 8948.00 | 9839.00 | 10431.00 | 11552.00 | 11814.00 | 12104.00 | 12094.00 | 12085.00 |
| South Asia | 6928.00 | 6738.00 | 7823.00 | 9620.00 | 10454.00 | 10759.00 | 11047.00 | 11277.00 | 11560.00 | 11904.00 | 12102.00 | 12157.00 |
| South East Asia | 14965.00 | 16971.00 | 19169.00 | 26141.00 | 26602.00 | 27466.00 | 28653.00 | 28806.00 | 28962.00 | 28947.00 | 28985.00 | 29017.00 |
| South Pacific | 654.00 | 786.00 | 855.00 | 943.00 | 952.00 | 952.00 | 951.00 | 958.00 | 978.00 | 978.00 | 978.00 | 978.00 |
| EUROPE | 19682.80 | 21597.04 | 22003.89 | 20943.79 | 21297.00 | 21232.00 | 21305.00 | 20303.00 | 20215.00 | 20298.00 | 20218.00 | 20279.00 |
| Central Europe | 4731.60 | 5519.62 | 5926.74 | 5609.85 | 5768.00 | 5924.00 | 5841.00 | 5165.00 | 5136.00 | 5214.00 | 5161.00 | 5139.00 |
| Eastern Europe | 3620.21 | 4278.42 | 4196.15 | 3718.94 | 4277.00 | 4227.00 | 4388.00 | 4216.00 | 4166.00 | 4074.00 | 3898.00 | 3881.00 |
| Western Europe | 11331.00 | 11799.00 | 11881.00 | 11615.00 | 11252.00 | 11081.00 | 11076.00 | 10922.00 | 10913.00 | 11010.00 | 11159.00 | 11259.00 |
| LATIN AMERICA AND CARIBBEAN | 15857.00 | 17864.00 | 21471.00 | 23887.00 | 24995.00 | 25435.00 | 25837.00 | 26080.00 | 25756.00 | 25935.00 | 25945.00 | 26341.00 |
| Caribbean | 929.00 | 1214.00 | 1678.00 | 1872.00 | 1918.00 | 1918.00 | 1918.00 | 1931.00 | 1920.00 | 1928.00 | 1928.00 | 1949.00 |
| Meso-America | 2533.00 | 2730.00 | 2977.00 | 3529.00 | 3670.00 | 3878.00 | 3974.00 | 4037.00 | 4054.00 | 4300.00 | 4299.00 | 4403.00 |
| South America | 12395.00 | 13920.00 | 16816.00 | 18486.00 | 19407.00 | 19639.00 | 19945.00 | 20112.00 | 19782.00 | 19707.00 | 19718.00 | 19989.00 |
| NORTH AMERICA | 1959.00 | 1855.00 | 1994.00 | 2164.00 | 2180.00 | 2180.00 | 2185.00 | 2190.00 | 2190.00 | 2190.00 | 2190.00 | 2190.00 |
| North America | 1959.00 | 1855.00 | 1994.00 | 2164.00 | 2180.00 | 2180.00 | 2185.00 | 2190.00 | 2190.00 | 2190.00 | 2190.00 | 2190.00 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | 586.00 | 709.00 | 995.00 | 1521.00 | 1618.00 | 1526.00 | 1581.00 | 1641.00 | 1706.00 | 1739.00 | 1780.00 | 1861.00 |
| Arabian Peninsula | 125.00 | 173.00 | 209.00 | 263.00 | 283.00 | 304.00 | 314.00 | 329.00 | 356.00 | 368.00 | 382.00 | 434.00 |
| Mashriq | 461.00 | 536.00 | 786.00 | 1258.00 | 1335.00 | 1222.00 | 1267.00 | 1312.00 | 1350.00 | 1371.00 | 1398.00 | 1427.00 |
| GLOBAL TOTALS | 79617.00 | 88653.00 | 100326.00 | 118839.00 | 122506.00 | 124899.00 | 127977.00 | 129283.00 | 130095.00 | 131307.00 | 131601.00 | 132251.00 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 79750.00 | 88791.00 | 100473.00 | 118992.00 | 122660.00 | 125053.00 | 128131.00 | 129438.00 | 130250.00 | 131461.00 | 131755.00 | 132405.00 |

Comments:

Permanent crops: land cultivated with crops that occupy the land for long periods and need not be replanted after each harvest, such as cocoa, coffee and rubber; this category includes land under flowering shrubs, fruit trees, nut trees and vines, but excludes land under trees grown for wood or timber.

Permanent Pasture - Percent of Land Area

Units: percent of land area

Data Source: FAOSTAT (data as of July 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1961-1999

| | 1961 | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | 31.31 | 31.17 | 31.21 | 31.55 | 31.55 | 31.58 | 30.84 | 30.89 | 30.91 | 30.91 | 30.90 | 31.02 | 31.02 |
| Central Africa | 15.29 | 15.26 | 15.22 | 15.22 | 15.22 | 15.22 | 15.22 | 15.22 | 15.21 | 15.22 | 15.23 | 15.24 | 15.24 |
| Eastern Africa | 46.66 | 46.48 | 46.41 | 46.22 | 46.20 | 46.18 | 37.37 | 37.38 | 37.39 | 37.39 | 37.39 | 37.39 | 37.39 |
| Northern Africa | 23.21 | 23.59 | 24.10 | 25.09 | 25.07 | 25.15 | 25.15 | 25.28 | 25.28 | 25.26 | 25.25 | 25.66 | 25.66 |
| Southern Africa | 49.76 | 48.83 | 48.56 | 48.72 | 48.77 | 48.81 | 48.84 | 48.88 | 48.92 | 48.94 | 48.94 | 48.95 | 48.95 |
| Western Africa | 28.24 | 28.19 | 28.05 | 28.23 | 28.22 | 28.22 | 28.30 | 28.30 | 28.37 | 28.36 | 28.31 | 28.31 | 28.31 |
| Western Indian Ocean | 40.85 | 40.85 | 40.85 | 40.85 | 40.85 | 40.85 | 40.85 | 40.86 | 40.86 | 40.86 | 40.86 | 40.86 | 40.86 |
| ASIA AND PACIFIC | 33.13 | 34.63 | 36.03 | 37.47 | 37.46 | 38.08 | 37.80 | 37.79 | 37.60 | 37.60 | 37.57 | 37.51 | 37.39 |
| Australia and New Zealand | 55.85 | 56.94 | 56.97 | 54.07 | 54.19 | 54.42 | 53.80 | 53.78 | 53.63 | 53.62 | 53.49 | 53.24 | 52.68 |
| Central Asia | 54.20 | 56.47 | 57.76 | 58.74 | 58.60 | 64.31 | 64.30 | 64.45 | 63.18 | 63.21 | 63.22 | 63.22 | 63.23 |
| North West Pacific and East Asia | 33.03 | 36.06 | 39.91 | 45.73 | 45.77 | 45.55 | 45.16 | 45.11 | 45.10 | 45.10 | 45.10 | 45.10 | 45.10 |
| South Asia | 14.94 | 14.83 | 14.73 | 14.64 | 14.66 | 14.64 | 14.58 | 14.57 | 14.54 | 14.54 | 14.55 | 14.55 | 14.55 |
| South East Asia | 3.67 | 3.67 | 3.67 | 4.25 | 3.93 | 3.95 | 3.95 | 3.94 | 3.94 | 3.89 | 3.89 | 3.89 | 3.89 |
| South Pacific | 0.90 | 0.95 | 1.07 | 1.07 | 1.07 | 1.08 | 1.08 | 1.07 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 |
| EUROPE | 8.07 | 8.17 | 8.12 | 8.15 | 8.06 | 8.37 | 8.35 | 8.36 | 8.34 | 8.42 | 8.43 | 8.48 | 8.52 |
| Central Europe | 15.65 | 15.49 | 15.22 | 16.18 | 16.38 | 15.92 | 15.93 | 15.94 | 15.94 | 16.21 | 16.13 | 16.08 | 15.96 |
| Eastern Europe | 4.91 | 5.11 | 5.23 | 5.32 | 5.30 | 5.80 | 5.78 | 5.76 | 5.75 | 5.82 | 5.87 | 5.91 | 5.95 |
| Western Europe | 19.38 | 19.08 | 18.37 | 17.55 | 16.90 | 16.74 | 16.70 | 16.84 | 16.82 | 16.75 | 16.69 | 16.81 | 16.97 |
| LATIN AMERICA AND CARIBBEAN | 25.12 | 26.91 | 28.32 | 29.58 | 29.69 | 29.79 | 29.74 | 29.77 | 29.79 | 29.82 | 29.81 | 29.83 | 29.83 |
| Caribbean | 22.89 | 25.47 | 25.87 | 27.03 | 26.84 | 26.02 | 25.16 | 24.73 | 24.25 | 23.81 | 23.42 | 23.28 | 23.32 |
| Meso-America | 34.56 | 35.01 | 35.58 | 37.53 | 37.74 | 37.96 | 38.24 | 38.45 | 38.63 | 38.65 | 38.64 | 38.64 | 38.64 |
| South America | 23.85 | 25.81 | 27.35 | 28.52 | 28.62 | 28.71 | 28.63 | 28.63 | 28.64 | 28.67 | 28.67 | 28.69 | 28.70 |
| NORTH AMERICA | 15.45 | 14.50 | 14.44 | 14.59 | 14.59 | 14.59 | 14.59 | 14.59 | 14.59 | 14.59 | 14.59 | 14.59 | 14.59 |
| North America | 15.45 | 14.50 | 14.44 | 14.59 | 14.59 | 14.59 | 14.59 | 14.59 | 14.59 | 14.59 | 14.59 | 14.59 | 14.59 |
| POLAR | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 |
| WEST ASIA | 31.13 | 30.82 | 31.05 | 40.32 | 40.35 | 40.39 | 53.86 | 53.88 | 53.88 | 53.89 | 53.88 | 53.88 | 53.88 |
| Arabian Peninsula | 34.11 | 34.11 | 34.11 | 45.78 | 45.79 | 45.79 | 62.44 | 62.45 | 62.45 | 62.45 | 62.45 | 62.45 | 62.45 |
| Mashriq | 18.68 | 17.12 | 18.29 | 17.59 | 17.69 | 17.86 | 18.08 | 18.19 | 18.18 | 18.22 | 18.17 | 18.15 | 18.15 |
| GLOBAL TOTALS | 24.18 | 24.69 | 25.28 | 26.21 | 26.21 | 26.45 | 26.58 | 26.60 | 26.55 | 26.57 | 26.56 | 26.59 | 26.56 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Permanent pasture: land used permanently (five years or more) for herbaceous forage crops, either cultivated or growing wild (wild prairie or grazing land). The dividing line between this category and the category "forests and woodland"; is rather indefinite, especially in the case of shrubs, savannah, etc., which may have been reported under either of these two categories.

1.3 Forests

The Forest Stewardship Council (FSC) is an international non-profit organisation founded in 1993 to support environmentally appropriate, socially beneficial, and economically viable management of the world's forests.

It is the only independent third-party certification body for forests and forest products. Membership in the FSC consists of representatives from social and environmental groups, timber trade and forestry professionals, indigenous peoples' organizations, community forestry groups, and forest product certification organizations such as the Certified Forest Products Council. The nine-member board has representatives from Sweden, USA, Cameroon, Indonesia, Malaysia, Brazil, Ecuador and Canada. These representatives are mostly from non-governmental organizations (NGOs).

The FSC is introducing an international labelling scheme for forest products, which provides a credible guarantee that the product comes from a well-managed forest. According to the FSC all forest products carrying their logo have been independently certified as coming from forests that meet the internationally recognised FSC Principles and Criteria of Forest Stewardship. For more detailed information on FSC Principles and Criteria please refer to Forest Stewardship Council (FSC) On-line Data Service, available at: <http://www.fscoax.org> (FSC, Oaxaca, Mexico, February 2000).

1.3.1 Vegetation and Land Cover

Forest Change

Forest plantation and natural forests are included in the term forest, a term that refers to land with a tree cover of more than 10 percent and area of more than 0.5 ha. Forests are determined both by the presence of trees and the absence of other predominant land uses. The trees should be able to reach a minimum height of 5 m. Young stands that have not yet reached, but are expected to reach, a crown density of 10 percent and tree height of 5 m are included under forest, as are temporarily unstocked areas. The term includes forests used for purposes of production, protection, multiple use or conservation (i.e. forest in national parks, nature reserves and other protected areas), as well as forest stands on agricultural lands (for example wind-breaks and shelterbelts of trees with a width of more than 20 m) and rubberwood plantations and cork oak stands. The term specifically excludes stands of trees established primarily for agricultural production, for example fruit tree plantations. It also excludes trees planted in agroforestry systems.

Units: thousand hectares

Data Source: Global Forest Resources Assessment 2000

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 2000

Annual Natural Forest Change

| | 2000 |
|---|-----------|
| AFRICA | ---- |
| Central Africa | ---- |
| Eastern Africa | ---- |
| Northern Africa | ---- |
| Southern Africa | ---- |
| Western Africa | ---- |
| Western Indian Ocean | ---- |
| ASIA AND PACIFIC | ---- |
| Australia and New Zealand | ---- |
| Central Asia | ---- |
| North West Pacific and East Asia | 652.20 |
| South Asia | -1731.50 |
| South East Asia | -3011.40 |
| South Pacific | -137.36 |
| EUROPE | ---- |
| Central Europe | ---- |
| Eastern Europe | ---- |
| Western Europe | ---- |
| LATIN AMERICA AND CARIBBEAN | -5234.42 |
| Caribbean | -8.92 |
| Meso-America | -1054.10 |
| South America | -4171.40 |
| NORTH AMERICA | ---- |
| North America | ---- |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | -17.46 |
| Arabian Peninsula | 7.47 |
| Mashriq | -24.93 |
| GLOBAL TOTALS | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | -12500.00 |

Annual Forest Plantation Change

| | 2000 |
|---|---------|
| AFRICA | 193.94 |
| Central Africa | 6.30 |
| Eastern Africa | 12.40 |
| Northern Africa | 89.58 |
| Southern Africa | ---- |
| Western Africa | 59.40 |
| Western Indian Ocean | 5.68 |
| ASIA AND PACIFIC | ---- |
| Australia and New Zealand | ---- |
| Central Asia | ---- |
| North West Pacific and East Asia | 1153.80 |
| South Asia | 1634.50 |
| South East Asia | 686.40 |
| South Pacific | 15.36 |
| EUROPE | ---- |
| Central Europe | ---- |
| Eastern Europe | ---- |
| Western Europe | ---- |
| LATIN AMERICA AND CARIBBEAN | 622.42 |
| Caribbean | 30.92 |
| Meso-America | 82.10 |
| South America | 509.40 |
| NORTH AMERICA | ---- |
| North America | ---- |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | 25.46 |
| Arabian Peninsula | 0.53 |
| Mashriq | 24.93 |
| GLOBAL TOTALS | 4457.88 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 4457.88 |

Comments:

Annual forest plantation change is the annual change of a forest established by planting and/or seeding in the process of afforestation or reforestation. It consists of introduced species or, in some cases, indigenous species.

Units: thousand hectares

Data Source: Global Forest Resources Assessment 2000

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1990-00

Forest Average Annual Change – Total

| | 1990-00 |
|---|-----------------|
| AFRICA | -5262.00 |
| Central Africa | -904.00 |
| Eastern Africa | -336.00 |
| Northern Africa | -925.00 |
| Southern Africa | -1714.00 |
| Western Africa | -1265.00 |
| Western Indian Ocean | -118.00 |
| ASIA AND PACIFIC | -774.00 |
| Australia and New Zealand | -243.00 |
| Central Asia | 269.00 |
| North West Pacific and East Asia | 1744.00 |
| South Asia | -97.00 |
| South East Asia | -2325.00 |
| South Pacific | -122.00 |
| EUROPE | 930.00 |
| Central Europe | 132.00 |
| Eastern Europe | 440.00 |
| Western Europe | 358.00 |
| LATIN AMERICA AND CARIBBEAN | -4669.00 |
| Caribbean | 14.00 |
| Meso-America | -972.00 |
| South America | -3711.00 |
| NORTH AMERICA | ---- |
| North America | 388.00 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | -1.00 |
| Arabian Peninsula | -1.00 |
| Mashriq | 0.00 |
| GLOBAL TOTALS | -9388.00 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | -9391.00 |

Comments:

Forest average annual change – total is the net change in forests and includes expansion of forest plantations and losses and gains in the area of natural forests.

Total forest includes natural forests and forest plantations. The term is used to refer to land with a tree cover of more than 10 percent and area of more than 0.5 ha. Forests are determined both by the presence of trees and the absence of other predominant land uses. The trees should be able to reach a minimum height of 5 m. Young stands that have not yet reached, but are expected to reach, a crown density of 10 percent and tree height of 5 m are included under forest, as are temporarily unstocked areas. The term includes forests used for purposes of production, protection, multiple use or conservation (that is to say forest in national parks, nature reserves and other protected areas), as well as forest stands on agricultural lands (for example windbreaks and shelterbelts of trees with a width of more than 20 m) and rubberwood plantations and cork oak stands. The term specifically excludes stands of trees established primarily for agricultural production, for example fruit tree plantations. It also excludes trees planted in agroforestry systems.

Forest Average Annual Change – Rate

| | 1990-00 |
|---|--------------|
| AFRICA | -0.74 |
| Central Africa | -0.37 |
| Eastern Africa | -0.87 |
| Northern Africa | -1.22 |
| Southern Africa | -0.70 |
| Western Africa | -1.53 |
| Western Indian Ocean | -0.90 |
| ASIA AND PACIFIC | -0.06 |
| Australia and New Zealand | -0.15 |
| Central Asia | 1.55 |
| North West Pacific and East Asia | 0.89 |
| South Asia | -0.06 |
| South East Asia | -1.05 |
| South Pacific | -0.37 |
| EUROPE | 0.09 |
| Central Europe | 0.26 |
| Eastern Europe | 0.04 |
| Western Europe | 0.37 |
| LATIN AMERICA AND CARIBBEAN | -0.46 |
| Caribbean | 0.33 |
| Meso-America | -1.24 |
| South America | -0.40 |
| NORTH AMERICA | 0.10 |
| North America | 0.10 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | 0.02 |
| Arabian Peninsula | 0.03 |
| Mashriq | -0.01 |
| GLOBAL TOTALS | -0.21 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | -0.22 |

Comments:

Forest average annual change – rate is the net change in forests and includes expansion of forest plantations and losses and gains in the area of natural forests.

Forests Certified by FSC - Accredited Certification Bodies

Units: hectares

Data Source: Forest Stewardship Council On-line Data Service (data as of January 2002)

Data Provider: Forest Stewardship Council (FSC)

Years: 1996-2001

| | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 |
|---|---------|---------|---------|----------|----------|----------|
| AFRICA | 26308 | 89626 | 254558 | 804513 | 855700 | 980077 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 26308 | 89626 | 250248 | 800203 | 851390 | 975767 |
| Western Africa | 0 | 0 | 4310 | 4310 | 4310 | 4310 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 12726 | 67809 | 70114 | 70114 | 565380 | 793096 |
| Australia and New Zealand | 0 | 0 | 2305 | 2305 | 378701 | 502404 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 0 | 0 | 3319 | 6390 |
| South Asia | 12726 | 12726 | 12726 | 12726 | 12726 | 18000 |
| South East Asia | 0 | 55083 | 55083 | 55083 | 131232 | 226900 |
| South Pacific | 0 | 0 | 0 | 0 | 39402 | 39402 |
| EUROPE | 3133871 | 3809188 | 5561549 | 9258239 | 15032370 | 17030126 |
| Central Europe | 1555563 | 1555563 | 2240069 | 2853006 | 3555605 | 4498226 |
| Eastern Europe | 0 | 0 | 0 | 0 | 184515 | 418715 |
| Western Europe | 1578308 | 2253625 | 3321480 | 6405233 | 11292250 | 12113185 |
| LATIN AMERICA AND CARIBBEAN | 223213 | 425605 | 826452 | 1598880 | 2179431 | 3600873 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 122251 | 244072 | 262389 | 413980 | 662270 | 1263816 |
| South America | 100962 | 181533 | 564063 | 1184900 | 1517161 | 2337057 |
| NORTH AMERICA | 598491 | 873349 | 1442287 | 1851719 | 3031225 | 3153267 |
| North America | 598491 | 873349 | 1442287 | 1851719 | 3031225 | 3153267 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 3994609 | 5265577 | 8154960 | 13583465 | 21664106 | 25557439 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 3994609 | 3994609 | 3994609 | 3994609 | 3994609 | 3994609 |

Forests Extent

Units: thousand hectares

Data Source: Global Forest Resources Assessment 2000

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Total Forest Extent

Years: 1990, 2000

| | 1990 | 2000 |
|---|----------------|----------------|
| AFRICA | 702502 | 649866 |
| Central Africa | 249370 | 240329 |
| Eastern Africa | 38753 | 35386 |
| Northern Africa | 77146 | 67889 |
| Southern Africa | 239085 | 221938 |
| Western Africa | 85112 | 72472 |
| Western Indian Ocean | 13036 | 11852 |
| ASIA AND PACIFIC | 734036 | 726284 |
| Australia and New Zealand | 164915 | 162485 |
| Central Asia | 16591 | 19275 |
| North West Pacific and East Asia | 195218 | 212664 |
| South Asia | 86294 | 85315 |
| South East Asia | 234662 | 211407 |
| South Pacific | 36356 | 35138 |
| EUROPE | 1042041 | 1051326 |
| Central Europe | 48948 | 50268 |
| Eastern Europe | 870732 | 875136 |
| Western Europe | 122361 | 125922 |
| LATIN AMERICA AND CARIBBEAN | 1011049 | 964358 |
| Caribbean | 5580 | 5711 |
| Meso-America | 82738 | 73029 |
| South America | 922731 | 885618 |
| NORTH AMERICA | 466684 | 470564 |
| North America | 466684 | 470564 |
| POLAR | ---- | ---- |
| Antarctic | ---- | ---- |
| Arctic | ---- | ---- |
| WEST ASIA | 3675 | 3663 |
| Arabian Peninsula | 2292 | 2281 |
| Mashriq | 1383 | 1382 |
| GLOBAL TOTALS | 3959987 | 3866061 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 3959987 | 3959987 |

Total Forest Extent

Years: 1990, 2000

| | 2000 |
|---|------------------|
| AFRICA | 8035.81 |
| Central Africa | 314.50 |
| Eastern Africa | 849.20 |
| Northern Africa | 2333.17 |
| Southern Africa | 2385.94 |
| Western Africa | 1781.20 |
| Western Indian Ocean | 371.80 |
| ASIA AND PACIFIC | 115905.74 |
| Australia and New Zealand | 2585.00 |
| Central Asia | 384.40 |
| North West Pacific and East Asia | 55765.00 |
| South Asia | 36936.60 |
| South East Asia | 19971.80 |
| South Pacific | 262.94 |
| EUROPE | 34192.70 |
| Central Europe | 4111.60 |
| Eastern Europe | 22194.10 |
| Western Europe | 7887.00 |
| LATIN AMERICA AND CARIBBEAN | 11750.19 |
| Caribbean | 566.19 |
| Meso-America | 728.90 |
| South America | 10455.10 |
| NORTH AMERICA | ---- |
| North America | ---- |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | 610.73 |
| Arabian Peninsula | 324.17 |
| Mashriq | 286.55 |
| GLOBAL TOTALS | 186733.20 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 186733.20 |

Comments:

Forest plantation is a forest established by planting and/or seeding in the process of afforestation or reforestation. It consists of introduced species or, in some cases, indigenous species.

Total forest includes natural forests and forest plantations. The term is used to refer to land with a tree cover of more than 10 percent and area of more than 0.5 ha. Forests are determined both by the presence of trees and the absence of other predominant land uses. The trees should be able to reach a minimum height of 5 m. Young stands that have not yet reached, but are expected to reach, a crown density of 10 percent and tree height of 5 m are included under forest, as are temporarily unstocked areas. The term includes forests used for purposes of production, protection, multiple use or conservation (that is to say forest in national parks, nature reserves and other protected areas), as well as forest stands on agricultural lands (for example windbreaks and shelterbelts of trees with a width of more than 20 m) and rubberwood plantations and cork oak stands. The term specifically excludes stands of trees established primarily for agricultural production, for example fruit tree plantations. It also excludes trees planted in agroforestry systems.

Natural Forests Extent

Units: thousand hectares

Data Source: Global Forest Resources Assessment 2000

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 2000

| | 2000 |
|---|-------------------|
| AFRICA | 639893.19 |
| Central Africa | 238235.50 |
| Eastern Africa | 34530.80 |
| Northern Africa | 65403.83 |
| Southern Africa | 219552.06 |
| Western Africa | 70690.80 |
| Western Indian Ocean | 11480.20 |
| ASIA AND PACIFIC | 583879.26 |
| Australia and New Zealand | 159900.00 |
| Central Asia | 18890.60 |
| North West Pacific and East Asia | 131796.00 |
| South Asia | 47026.40 |
| South East Asia | 191433.20 |
| South Pacific | 34833.06 |
| EUROPE | 980092.60 |
| Central Europe | 46411.40 |
| Eastern Europe | 852941.90 |
| Western Europe | 80739.30 |
| LATIN AMERICA AND CARIBBEAN | 951718.81 |
| Caribbean | 4255.81 |
| Meso-America | 72300.10 |
| South America | 875162.90 |
| NORTH AMERICA | ---- |
| North America | ---- |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | 2603.67 |
| Arabian Peninsula | 1508.23 |
| Mashriq | 1095.45 |
| GLOBAL TOTALS | 3367942.50 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 3367942.50 |

Comments:

Natural forest is a forest composed of indigenous trees, and not classified as forest plantation.

Roundwood – Production

Units: thousand cubic meters

Data Source: FAOSTAT (data as of August 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1961-2000

| | 1961 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| AFRICA | 195095.00 | 259910.60 | 337967.50 | 438708.70 | 542100.69 | 552355.04 | 565759.12 | 572471.94 | 582485.74 | 584171.67 |
| Central Africa | 29097.00 | 37105.00 | 46861.00 | 63808.00 | 75281.00 | 76754.00 | 79026.00 | 79534.00 | 81010.00 | 81010.00 |
| Eastern Africa | 41458.00 | 54106.60 | 71112.00 | 90408.70 | 1411172.60 | 144117.88 | 149079.86 | 151865.74 | 155394.39 | 157080.32 |
| Northern Africa | 8279.00 | 10255.00 | 13469.70 | 17132.00 | 18958.40 | 19279.80 | 18921.80 | 20253.80 | 19976.80 | 19976.80 |
| Southern Africa | 41201.00 | 61867.00 | 79422.00 | 103457.20 | 122329.10 | 124271.20 | 126708.10 | 125013.00 | 126636.60 | 126636.60 |
| Western Africa | 71099.00 | 90919.00 | 120712.00 | 155652.80 | 174548.70 | 177732.20 | 181791.20 | 185670.80 | 189039.20 | 189039.20 |
| Western Indian Ocean | 3961.00 | 5658.00 | 6390.80 | 8250.00 | 9810.89 | 10199.96 | 10232.16 | 10134.60 | 10428.75 | 10428.75 |
| ASIA AND PACIFIC | 593134.12 | 712831.04 | 902238.29 | 1073243.57 | 1152186.99 | 1174504.01 | 1182931.59 | 1150275.41 | 1156469.60 | 1156469.60 |
| Australia and New Zealand | 19530.00 | 20739.00 | 26892.00 | 31910.00 | 39171.00 | 38433.00 | 39717.00 | 39186.00 | 40891.00 | 40891.00 |
| Central Asia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| North West Pacific and East Asia | 219049.00 | 229697.60 | 280891.02 | 318582.02 | 336164.00 | 343519.00 | 341469.00 | 327194.00 | 319714.00 | 319714.00 |
| South Asia | 184426.00 | 231004.99 | 289610.41 | 353058.41 | 386229.69 | 393372.70 | 402044.69 | 406076.00 | 412988.99 | 412988.99 |
| South East Asia | 165675.00 | 225403.00 | 296242.61 | 359806.52 | 379832.50 | 388413.51 | 388999.50 | 367626.51 | 372717.51 | 372717.51 |
| South Pacific | 3806.50 | 5276.10 | 7944.30 | 9173.70 | 10450.80 | 10450.80 | 10348.80 | 10192.90 | 10158.10 | 10158.10 |
| EUROPE | 667388.38 | 756163.35 | 710691.05 | 789811.87 | 505754.00 | 485745.10 | 540366.00 | 486528.34 | 553349.22 | 588971.10 |
| Central Europe | 101082.46 | 140233.84 | 121993.35 | 106773.17 | 100288.00 | 101507.10 | 106109.00 | 108167.34 | 118331.62 | 124603.00 |
| Eastern Europe | 334250.93 | 366628.51 | 339583.70 | 367961.70 | 126225.00 | 123325.00 | 162707.00 | 111327.00 | 160217.60 | 174302.10 |
| Western Europe | 232055.00 | 249301.00 | 249114.00 | 315077.00 | 279241.00 | 260913.00 | 271550.00 | 267034.00 | 274800.00 | 290066.00 |
| LATIN AMERICA AND CARIBBEAN | 160777.30 | 202305.90 | 296295.39 | 345385.02 | 362072.00 | 360031.00 | 360791.00 | 361384.00 | 359914.60 | 359914.60 |
| Caribbean | 6229.00 | 6584.40 | 8082.90 | 9683.40 | 9393.10 | 9447.20 | 9571.30 | 9553.00 | 9456.00 | 9456.00 |
| Meso-America | 22601.30 | 31632.50 | 44153.20 | 52580.90 | 55967.60 | 56455.30 | 58677.30 | 59861.00 | 60947.60 | 60947.60 |
| South America | 131947.00 | 164089.00 | 244059.29 | 283120.72 | 296711.30 | 294128.50 | 292542.40 | 291970.00 | 289511.00 | 289511.00 |
| NORTH AMERICA | 383339.02 | 449570.01 | 570619.02 | 672227.00 | 687742.00 | 680349.00 | 677058.01 | 679971.33 | 683299.83 | 686092.83 |
| North America | 383339.02 | 449570.01 | 570619.02 | 672227.00 | 687742.00 | 680349.00 | 677058.01 | 679971.33 | 683299.83 | 686092.83 |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arabian Peninsula | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Mashriq | 379.00 | 450.00 | 479.60 | 450.60 | 508.55 | 518.55 | 622.55 | 645.55 | 650.55 | 650.55 |
| GLOBAL TOTALS | 2000112.82 | 2381230.90 | 2818290.84 | 3319826.76 | 3250364.23 | 3253502.69 | 3327528.27 | 3251276.57 | 3336169.54 | 3376270.35 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 2000112.82 | 2381230.90 | 2818290.84 | 3319826.76 | 3250364.23 | 3253502.69 | 3327590.47 | 3251276.57 | 3336169.54 | 3376270.35 |

Comments:

Roundwood comprises wood in the rough, wood in its natural state as felled, or otherwise harvested, with or without bark, round, split, roughly squared or other forms (for example roots, stumps, burls, etc.). It may also be impregnated (for example telegraph poles) or roughly shaped or pointed. It comprises all wood obtained from removals, that is to say the quantities removed from forests and from trees outside the forest, including wood recovered from natural, felling and logging losses during the period - calendar year or forest year. Commodities included are sawlogs and veneer logs, pulpwood, other industrial roundwood (including pitprops) and fuelwood. The statistics include recorded volumes, as well as estimated unrecorded volumes.

Figures are given in solid volume of roundwood (or roundwood equivalent) without bark.

Production of primary products is reported, even though a portion may immediately be consumed in the production of another commodity (for example wood pulp, which may immediately be converted into paper as part of a continuous process). An exception is made in the case of veneer production, which excludes veneer sheets used for plywood production within the country.

Forest Fire Extent – Annual Average

Units: thousand hectares

Data Source: Global Forest Resources Assessment 2000

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1990-00

| | 1990-00 |
|--|----------------|
| AFRICA | ---- |
| Central Africa | ---- |
| Eastern Africa | ---- |
| Northern Africa | ---- |
| Southern Africa | ---- |
| Western Africa | ---- |
| Western Indian Ocean | ---- |
| ASIA AND PACIFIC | 4.46 |
| Australia and New Zealand | 0.33 |
| Central Asia | 1.80 |
| North West Pacific and East Asia | 2.33 |
| South Asia | ---- |
| South East Asia | ---- |
| South Pacific | ---- |
| EUROPE | 1050.67 |
| Central Europe | 33.45 |
| Eastern Europe | 825.71 |
| Western Europe | 191.50 |
| LATIN AMERICA AND CARIBBEAN | 556.49 |
| Caribbean | 0.42 |
| Meso-America | 66.78 |
| South America | 489.30 |
| NORTH AMERICA | 501.63 |
| North America | 501.63 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | ---- |
| Arabian Peninsula | ---- |
| Mashriq | ---- |
| GLOBAL TOTALS | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ---- |

Comments:

Forest fire extent - annual average comprises the reported forest areas exposed to fire.

Mangroves Forest

Units: thousand hectares

Data Source: Statistical Analysis of Global Forest Conservation, 1997

Data Provider: World Conservation Monitoring Centre (UNEP-WCMC) and Centre for International Forestry Research (CIFOR)

Years: Various

Mangroves Forest Extent - Protected Area

| | VARIOUS |
|---|----------------|
| AFRICA | 54.70 |
| Central Africa | 23.10 |
| Eastern Africa | 0.00 |
| Northern Africa | 0.00 |
| Southern Africa | 22.50 |
| Western Africa | 8.50 |
| Western Indian Ocean | 0.60 |
| ASIA AND PACIFIC | 1431.80 |
| Australia and New Zealand | 254.40 |
| Central Asia | 0.00 |
| North West Pacific and East Asia | 0.00 |
| South Asia | 217.10 |
| South East Asia | 853.40 |
| South Pacific | 106.90 |
| EUROPE | 0.00 |
| Central Europe | 0.00 |
| Eastern Europe | 0.00 |
| Western Europe | 0.00 |
| LATIN AMERICA AND CARIBBEAN | 1154.50 |
| Caribbean | 93.00 |
| Meso-America | 121.80 |
| South America | 939.70 |
| NORTH AMERICA | 119.50 |
| North America | 119.50 |
| POLAR | 0.00 |
| Antarctic | 0.00 |
| Arctic | 0.00 |
| WEST ASIA | ---- |
| Arabian Peninsula | ---- |
| Mashriq | ---- |
| GLOBAL TOTALS | 2760.50 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 2261.70 |

Mangroves Forest Extent - Total Area

| | VARIOUS |
|---|-----------------|
| AFRICA | 3801.40 |
| Central Africa | 440.90 |
| Eastern Africa | 0.00 |
| Northern Africa | 0.00 |
| Southern Africa | 887.90 |
| Western Africa | 2162.90 |
| Western Indian Ocean | 309.70 |
| ASIA AND PACIFIC | 9499.20 |
| Australia and New Zealand | 4902.40 |
| Central Asia | 0.00 |
| North West Pacific and East Asia | 0.00 |
| South Asia | 825.40 |
| South East Asia | 3207.30 |
| South Pacific | 564.10 |
| EUROPE | 0.00 |
| Central Europe | 0.00 |
| Eastern Europe | 0.00 |
| Western Europe | 0.00 |
| LATIN AMERICA AND CARIBBEAN | 4441.10 |
| Caribbean | 862.40 |
| Meso-America | 649.20 |
| South America | 2929.50 |
| NORTH AMERICA | 199.00 |
| North America | 199.00 |
| POLAR | 0.00 |
| Antarctic | 0.00 |
| Arctic | 0.00 |
| WEST ASIA | ---- |
| Arabian Peninsula | ---- |
| Mashriq | ---- |
| GLOBAL TOTALS | 17940.70 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 16945.20 |

Comments:

Mangrove trees and shrubs, including ferns and palms, are found along river banks and coastlines in tropical and subtropical countries. Their main characteristic is that they can tolerate salt and brackish water environments. Globally, there are seventy known species of mangroves.

The data for forest cover by forest type are for 1996. The WCMC analysis was carried out by overlaying forest and protected areas coverages in a Geographic Information System. The forest GIS coverages were created at WCMC by compiling many national and regional data showing forest extent. Many of the map sources where forest, land cover and/or vegetation maps.

Data source: Iremonger, S., C. Ravilious, T. Quinton, "A statistical analysis of global forest conservation." In: S. Iremonger, C. Ravilious, and T. Quinton (Eds). "A Global Overview of Forest Conservation CD-ROM" (World Conservation Monitoring Centre (WCMC) and Centre for International Forestry Research, Cambridge, U.K., 1997).

1.4 Biodiversity

1.4.1 Protected Areas and Environmental Protection

A **protected area** is defined by The World Conservation Union (IUCN) as: an area of land and/or sea especially dedicated to the protection and maintenance of biological diversity, and of natural and associated cultural resources, and managed through legal or other effective means. Although all protected areas meet the general purposes contained in this definition, in practice the precise purposes for which protected areas are managed differ greatly.

Following are the definitions of IUCN Management categories I-VI:

Category Ia. Strict Nature Reserve: protected area managed mainly for science. Area of land and/or sea possessing some outstanding or representative ecosystems, geological or physiological features and/or species, available primarily for scientific research and/or environmental monitoring.

Category Ib. Wilderness Area: protected area managed mainly for wilderness protection.

Large area of unmodified or slightly modified land, and/or sea, retaining its natural character and influence, without permanent or significant habitation, which is protected and managed so as to preserve its natural condition.

Category II. National Park: protected area managed mainly for ecosystem protection and recreation. Natural area of land and/or sea, designated to a) protect the ecological integrity of one or more ecosystems for present and future generations; b) exclude exploitation or occupation inimical to the purposes of designation of the area and c) provide a foundation for spiritual, scientific, educational, recreational and visitor opportunities, all of which must be environmentally and culturally compatible.

Category III. Natural Monument: protected area managed mainly for conservation of specific natural features. Area containing one, or more, specific natural or natural/cultural feature which is of outstanding or unique value because of its inherent rarity, representative or aesthetic qualities or cultural significance.

Category IV. Habitat/Species Management Area: protected area managed mainly for conservation through management intervention. Area of land and/or sea subject to active intervention for management purposes so as to ensure the maintenance of habitats and/or to meet the requirements of specific species.

Category V. Protected Landscape/Seascape: protected area managed mainly for landscape/seascape conservation and recreation. Area of land, with coast and sea as appropriate, where the interaction of people and nature over time has produced an area of distinct character with significant aesthetic, ecological and/or cultural value, and often with high biological diversity. Safeguarding the integrity of this traditional interaction is vital to the protection, maintenance and evolution of such an area.

Category VI. Managed Resource Protected Area: protected area managed mainly for the sustainable use of natural ecosystems. Area containing predominantly unmodified natural systems, managed to ensure long term protection and maintenance of biological diversity, while providing at the same time a sustainable flow of natural products and services to meet community needs.

Please refer to the original source for the most recent data (<http://quin.unep-wcmc.org/wdbpa/GEO3.cfm>). For more information on the variables and collection methodologies see original source or the IUCN web site: <http://wcpa.iucn.org>.

Protected Areas (IUCN Categories I-VI)

Units: hectares

Data Source: World Database of Protected Areas

Data Provider: World Conservation Monitoring Centre (UNEP-WCMC)

Years: 1970, 1980, 1990, 2002

Protected Areas (IUCN Categories I-VI) - Area

| | 1970 | 1980 | 1990 | 2002 |
|---|------------------|------------------|-------------------|-------------------|
| AFRICA | 95072911 | 174810658 | 200611691 | 206274903 |
| Central Africa | 29453375 | 31029169 | 31760369 | 33519586 |
| Eastern Africa | 10149148 | 28614104 | 29332798 | 29514399 |
| Northern Africa | 7113060 | 8700004 | 19345347 | 19665372 |
| Southern Africa | ---- | ---- | ---- | ---- |
| Western Africa | 12056765 | 18556298 | 28466074 | 30699160 |
| Western Indian Ocean | 1085799 | 1109024 | 1213705 | 1273065 |
| ASIA AND PACIFIC | 48105467 | 135196921 | 249609663 | 295851606 |
| Australia and New Zealand | 16808387 | 66391288 | 97005388 | 108424536 |
| Central Asia | 5054196 | 8300025 | 9948026 | 10450307 |
| North West Pacific and East Asia | 8274030 | 13573238 | 73452715 | 89784764 |
| South Asia | 5470474 | 22099703 | 31256144 | 33596650 |
| South East Asia | 12436599 | 23786868 | 36765800 | 52345560 |
| South Pacific | 61781 | 1045799 | 1181590 | 1249789 |
| EUROPE | 24481271 | 55512523 | 91861814 | 126368040 |
| Central Europe | 1857486 | 4305729 | 8140654 | 10930863 |
| Eastern Europe | 8591098 | 18620177 | 37887630 | 62167901 |
| Western Europe | 14032687 | 32586617 | 45833530 | 53269276 |
| LATIN AMERICA AND CARIBBEAN | 44171363 | 92359073 | 161401928 | 213104123 |
| Caribbean | 1399502 | 1368022 | 2746964 | 2720245 |
| Meso-America | 5192900 | 7530232 | 16191416 | 26877929 |
| South America | 37578961 | 83460819 | 142463548 | 183505949 |
| NORTH AMERICA | 75095863 | 190137768 | 206883435 | 267391191 |
| North America | 75095863 | 190137768 | 206883435 | 267391191 |
| POLAR | 44470 | 98370164 | 98466435 | 98649045 |
| Antarctic | 44470 | 120164 | 216435 | 399045 |
| Arctic | ---- | 98250000 | 98250000 | 98250000 |
| WEST ASIA | 210786 | 217106 | 16039211 | 86341355 |
| Arabian Peninsula | 420 | 3430 | 15736435 | 85943079 |
| Mashriq | 210366 | 213676 | 302776 | 398276 |
| GLOBAL TOTALS | 287182131 | 746604213 | 1024874177 | 1293980263 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 285190725 | 752614639 | 1032212740 | 1303488421 |

Protected Areas (IUCN Categories I-VI) - Number

| | 1970 | 1980 | 1990 | 2002 |
|---|-------------|--------------|--------------|--------------|
| AFRICA | 366 | 694 | 844 | 909 |
| Central Africa | 58 | 68 | 73 | 75 |
| Eastern Africa | 82 | 139 | 175 | 183 |
| Northern Africa | 30 | 44 | 79 | 92 |
| Southern Africa | ---- | ---- | ---- | ---- |
| Western Africa | 68 | 110 | 131 | 141 |
| Western Indian Ocean | 51 | 78 | 110 | 131 |
| ASIA AND PACIFIC | 1913 | 3581 | 5852 | 6961 |
| Australia and New Zealand | 749 | 1601 | 2543 | 3242 |
| Central Asia | 41 | 158 | 184 | 195 |
| North West Pacific and East Asia | 65 | 197 | 849 | 1041 |
| South Asia | 167 | 430 | 743 | 779 |
| South East Asia | 859 | 1101 | 1406 | 1565 |
| South Pacific | 32 | 94 | 127 | 139 |
| EUROPE | 4444 | 9133 | 17087 | 21900 |
| Central Europe | 1122 | 1683 | 2808 | 3348 |
| Eastern Europe | 431 | 2274 | 3905 | 5381 |
| Western Europe | 2891 | 5176 | 10374 | 13171 |
| LATIN AMERICA AND CARIBBEAN | 592 | 1012 | 1902 | 2649 |
| Caribbean | 264 | 286 | 461 | 499 |
| Meso-America | 72 | 159 | 338 | 532 |
| South America | 256 | 567 | 1103 | 1618 |
| NORTH AMERICA | 1906 | 3071 | 4176 | 4616 |
| North America | 1906 | 3071 | 4176 | 4616 |
| POLAR | 13 | 30 | 57 | 65 |
| Antarctic | 13 | 28 | 55 | 63 |
| Arctic | ---- | 2 | 2 | 2 |
| WEST ASIA | 10 | 16 | 39 | 54 |
| Arabian Peninsula | 1 | 6 | 22 | 35 |
| Mashriq | 9 | 10 | 17 | 19 |
| GLOBAL TOTALS | 9244 | 17537 | 29957 | 37154 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 9394 | 17924 | 30623 | 37957 |

1.4.2 Total and Threatened Species

The assessments for the different species were assessed in different years; 1996, 1998, 1999 and 2000 (hence "various" at the top of the "year" column).

The knowledge about the number of species is constantly changing with new assessments and according to the data provider the current numbers of threaten species are underestimated. Changes are going to be made by the provider in 2003, for the latest data see <http://www.redlist.org>.

Critically endangered: a specie is "critically endangered" when it is facing an extremely high risk of extinction in the wild in the immediate future, as defined by any of the criteria (A to E) as described below.

Endangered: a species is "endangered" when it is not "critically endangered" but is facing a very high risk of extinction in the wild in the near future.

Extinct: a species is "extinct" when there is no reasonable doubt that the last individual has died.

Extinct in the wild: a species is "extinct in the wild" when it is known only to survive in cultivation, in captivity or as a naturalised population (or populations) well outside the past range. A taxon is presumed extinct in the wild when exhaustive surveys in known and/or expected habitat, at appropriate times (diurnal, seasonal, annual), throughout its historic range have failed to record an individual. Surveys should be over a time frame appropriate to the taxon's life cycle and life form.

Vulnerable: a species is "vulnerable" when it is not "critically endangered" or "endangered" but is facing a high risk of extinction in the wild in the medium-term future, as defined by any of the criteria (A to E) as described below.

A) Population reduction in the form of either of the following:

1) An observed, estimated, inferred or suspected reduction of at least 20 percent over the last 10 years or three generations, whichever is the longer, based on (and specifying) any of the following:

- a) direct observation
- b) an index of abundance appropriate for the taxon
- c) a decline in area of occupancy, extent of occurrence and/or quality of habitat
- d) actual or potential levels of exploitation
- e) the effects of introduced taxa, hybridisation, pathogens, pollutants, competitors or parasites.

2) A reduction of at least 20 percent, projected or suspected to be met within the next ten years or three generations, whichever is the longer, based on (and specifying) any of (b), (c), (d) or (e) above.

B) Extent of occurrence estimated to be less than 20000 km² or area of occupancy estimated to be less than 2000 km², and estimates indicating any two of the following:

1) Severely fragmented or known to exist at no more than ten locations.

2) Continuing decline, inferred, observed or projected, in any of the following:

- a) extent of occurrence
- b) area of occupancy
- c) area, extent and/or quality of habitat
- d) number of locations or subpopulations
- e) number of mature individuals

3) Extreme fluctuations in any of the following:

- a) extent of occurrence
- b) area of occupancy
- c) number of locations or subpopulations
- d) number of mature individuals

C) Population estimated to number less than 10000 mature individuals and either:

1) An estimated continuing decline of at least 10 percent within 10 years or three generations, whichever is longer, or

2) A continuing decline, observed, projected, or inferred, in numbers of mature individuals and population structure in the form of either:

- a) severely fragmented (that is to say no subpopulation estimated to contain more than 1000 mature individuals)
- b) all individuals are in a single subpopulation

D) Population very small or restricted in the form of either of the following:

1) Population estimated to number less than 1000 mature individuals.

2) Population is characterised by an acute restriction in its area of occupancy (typically less than 100 km²) or in the number of locations (typically less than five). Such a taxon would thus be prone to the effects of human activities (or stochastic events whose impact is increased by human activities) within a very short period of time in an unforeseeable future, and is thus capable of becoming Critically Endangered or even Extinct in a very short period.

E) Quantitative analysis showing the probability of extinction in the wild is at least 10 percent within 100 years.

The knowledge about the number of species is constantly changing with new assessments and according to the data provider the current numbers of threaten amphibian species are underestimated. Changes are going to be made by the provider in 2003, for the latest data see <http://www.redlist.org>.

Amphibian Species

Units: number of species

Data Source: 2000 IUCN Red List of Threatened Species On-line Data Service (data as of February 2002)

Data Provider: International Union for the Conservation of Nature
and Natural Resources (IUCN) and Species Survival Commission (SSC)

Years: various

| | Critically Endangered | Endangered | Extinct in the Wild | Vulnerable |
|---|-----------------------|------------|---------------------|------------|
| AFRICA | 0 | 3 | 0 | 13 |
| Central Africa | 0 | 0 | 0 | 1 |
| Eastern Africa | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 2 | 0 | 7 |
| Western Africa | 0 | 1 | 0 | 0 |
| Western Indian Ocean | 0 | 1 | 0 | 5 |
| ASIA AND PACIFIC | 15 | 23 | 0 | 32 |
| Australia and New Zealand | 8 | 10 | 0 | 9 |
| Central Asia | 0 | 1 | 0 | 0 |
| North West Pacific and East Asia | 0 | 4 | 0 | 7 |
| South Asia | 0 | 2 | 0 | 4 |
| South East Asia | 7 | 6 | 0 | 12 |
| South Pacific | 0 | 1 | 0 | 0 |
| EUROPE | 3 | 2 | 0 | 8 |
| Central Europe | 0 | 1 | 0 | 3 |
| Eastern Europe | 0 | 0 | 0 | 1 |
| Western Europe | 3 | 1 | 0 | 7 |
| LATIN AMERICA AND CARIBBEAN | 7 | 4 | 0 | 17 |
| Caribbean | 1 | 0 | 0 | 7 |
| Meso-America | 2 | 1 | 0 | 2 |
| South America | 4 | 3 | 0 | 8 |
| NORTH AMERICA | 1 | 8 | 0 | 16 |
| North America | 1 | 8 | 0 | 16 |
| POLAR | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 26 | 40 | 0 | 85 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 26 | 40 | 0 | 85 |

Bird Species

Units: number of species

Data Source: 2000 IUCN Red List of Threatened Species On-line Data Service (Data as of February 2002)

Data Provider: International Union for the Conservation of Nature
and Natural Resources (IUCN) and Species Survival Commission (SSC)

Years: various

| | Critically Endangered | Endangered | Extinct | Extinct in the Wild | Vulnerable |
|---|-----------------------|------------|------------|---------------------|------------|
| AFRICA | 28 | 57 | 37 | 0 | 118 |
| Central Africa | 3 | 15 | 0 | 0 | 35 |
| Eastern Africa | 6 | 17 | 0 | 0 | 31 |
| Northern Africa | 2 | 3 | 0 | 0 | 8 |
| Southern Africa | 3 | 20 | 9 | 0 | 55 |
| Western Africa | 3 | 5 | 0 | 0 | 17 |
| Western Indian Ocean | 15 | 15 | 28 | 0 | 26 |
| ASIA AND PACIFIC | 70 | 118 | 46 | 1 | 335 |
| Australia and New Zealand | 8 | 27 | 22 | 0 | 57 |
| Central Asia | 1 | 1 | 0 | 0 | 13 |
| North West Pacific and East Asia | 6 | 13 | 4 | 0 | 71 |
| South Asia | 8 | 11 | 0 | 0 | 66 |
| South East Asia | 36 | 53 | 2 | 0 | 146 |
| South Pacific | 18 | 28 | 19 | 1 | 82 |
| EUROPE | 5 | 10 | 3 | 0 | 30 |
| Central Europe | 2 | 1 | 0 | 0 | 10 |
| Eastern Europe | 3 | 9 | 1 | 0 | 27 |
| Western Europe | 3 | 2 | 2 | 0 | 14 |
| LATIN AMERICA AND CARIBBEAN | 70 | 135 | 17 | 2 | 212 |
| Caribbean | 12 | 21 | 12 | 0 | 24 |
| Meso-America | 10 | 16 | 4 | 1 | 38 |
| South America | 48 | 100 | 2 | 1 | 160 |
| NORTH AMERICA | 15 | 13 | 25 | 0 | 32 |
| North America | 15 | 13 | 25 | 0 | 32 |
| POLAR | 1 | 0 | 2 | 0 | 10 |
| Antarctic | 1 | 0 | 1 | 0 | 10 |
| Arctic | 0 | 0 | 1 | 0 | 0 |
| WEST ASIA | 2 | 1 | 0 | 0 | 17 |
| Arabian Peninsula | 2 | 1 | 0 | 0 | 15 |
| Mashriq | 2 | 1 | 0 | 0 | 12 |
| GLOBAL TOTALS | 182 | 321 | 128 | 3 | 680 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 182 | 321 | 128 | 3 | 680 |

Mammal Species

Units: number of species

Data Source: 2000 IUCN Red List of Threatened Species On-line Data Service (Data as of February 2002)

Data Provider: International Union for the Conservation of Nature
and Natural Resources (IUCN) and Species Survival Commission (SSC)

Years: various

| | Critically Endangered | Endangered | Extinct | Extinct in the Wild | Vulnerable |
|---|-----------------------|------------|------------|---------------------|------------|
| AFRICA | 79 | 108 | 9 | 2 | 173 |
| Central Africa | 22 | 47 | 0 | 1 | 48 |
| Eastern Africa | 22 | 31 | 1 | 0 | 61 |
| Northern Africa | 15 | 18 | 2 | 2 | 24 |
| Southern Africa | 13 | 26 | 5 | 0 | 58 |
| Western Africa | 10 | 37 | 0 | 1 | 29 |
| Western Indian Ocean | 18 | 23 | 1 | 0 | 38 |
| ASIA AND PACIFIC | 114 | 236 | 45 | 2 | 356 |
| Australia and New Zealand | 13 | 25 | 26 | 1 | 57 |
| Central Asia | 2 | 10 | 0 | 1 | 28 |
| North West Pacific and East Asia | 28 | 64 | 3 | 1 | 80 |
| South Asia | 18 | 69 | 3 | 0 | 89 |
| South East Asia | 47 | 96 | 11 | 0 | 152 |
| South Pacific | 13 | 20 | 4 | 0 | 56 |
| EUROPE | 15 | 25 | 7 | 1 | 71 |
| Central Europe | 5 | 8 | 0 | 0 | 29 |
| Eastern Europe | 9 | 16 | 1 | 0 | 45 |
| Western Europe | 4 | 14 | 6 | 1 | 45 |
| LATIN AMERICA AND CARIBBEAN | 48 | 102 | 38 | 1 | 178 |
| Caribbean | 7 | 11 | 31 | 0 | 15 |
| Meso-America | 19 | 51 | 5 | 1 | 49 |
| South America | 22 | 46 | 4 | 0 | 133 |
| NORTH AMERICA | 17 | 31 | 12 | 1 | 62 |
| North America | 17 | 31 | 12 | 1 | 62 |
| POLAR | 1 | 4 | 0 | 0 | 4 |
| Antarctic | 0 | 2 | 0 | 0 | 0 |
| Arctic | 1 | 4 | 0 | 0 | 4 |
| WEST ASIA | 5 | 8 | 3 | 1 | 19 |
| Arabian Peninsula | 3 | 5 | 3 | 1 | 10 |
| Mashriq | 2 | 5 | 1 | 1 | 17 |
| GLOBAL TOTALS | 276 | 485 | 109 | 7 | 784 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 276 | 485 | 109 | 7 | 784 |

Plant Species

Units: number of species

Data Source: 2000 IUCN Red List of Threatened Species On-line Data Service (Data as of February 2002)

Data Provider: International Union for the Conservation of Nature
and Natural Resources (IUCN) and Species Survival Commission (SSC)

Years: various

| | Critically Endangered | Endangered | Extinct | Extinct in the Wild | Vulnerable |
|---|-----------------------|-------------|-----------|---------------------|-------------|
| AFRICA | 184 | 195 | 8 | 3 | 695 |
| Central Africa | 47 | 34 | 1 | 0 | 200 |
| Eastern Africa | 7 | 21 | 0 | 0 | 159 |
| Northern Africa | 2 | 4 | 0 | 0 | 19 |
| Southern Africa | 20 | 62 | 5 | 3 | 341 |
| Western Africa | 19 | 39 | 2 | 0 | 172 |
| Western Indian Ocean | 113 | 88 | 2 | 0 | 118 |
| ASIA AND PACIFIC | 555 | 564 | 26 | 7 | 1471 |
| Australia and New Zealand | 7 | 15 | 0 | 0 | 39 |
| Central Asia | 1 | 0 | 0 | 0 | 1 |
| North West Pacific and East Asia | 43 | 77 | 2 | 3 | 149 |
| South Asia | 130 | 206 | 9 | 2 | 232 |
| South East Asia | 288 | 189 | 3 | 2 | 812 |
| South Pacific | 100 | 103 | 12 | 0 | 336 |
| EUROPE | 16 | 19 | 1 | 1 | 42 |
| Central Europe | 1 | 2 | 0 | 1 | 11 |
| Eastern Europe | 0 | 2 | 0 | 0 | 7 |
| Western Europe | 15 | 16 | 1 | 0 | 31 |
| LATIN AMERICA AND CARIBBEAN | 273 | 506 | 20 | 4 | 1360 |
| Caribbean | 97 | 138 | 6 | 1 | 237 |
| Meso-America | 72 | 161 | 0 | 1 | 279 |
| South America | 104 | 222 | 14 | 2 | 887 |
| NORTH AMERICA | 60 | 81 | 22 | 2 | 72 |
| North America | 60 | 81 | 22 | 2 | 72 |
| POLAR | 0 | 0 | 0 | 0 | 1 |
| Antarctic | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 1 |
| WEST ASIA | 0 | 6 | 0 | 0 | 52 |
| Arabian Peninsula | 0 | 6 | 0 | 0 | 51 |
| Mashriq | 0 | 0 | 0 | 0 | 1 |
| GLOBAL TOTALS | 1095 | 1389 | 79 | 17 | 3765 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 1095 | 1389 | 79 | 17 | 3765 |

Reptile Species

Units: number of species

Data Source: 2000 IUCN Red List of Threatened Species On-line Data Service (Data as of February 2002)

Data Provider: International Union for the Conservation of Nature
and Natural Resources (IUCN) and Species Survival Commission (SSC)

Years: various

| | Critically Endangered | Endangered | Extinct | Extinct in the Wild | Vulnerable |
|---|-----------------------|------------|---------|---------------------|------------|
| AFRICA | 4 | 12 | 12 | 1 | 34 |
| Central Africa | 2 | 1 | 0 | 0 | 2 |
| Eastern Africa | 2 | 3 | 0 | 0 | 4 |
| Northern Africa | 1 | 3 | 0 | 0 | 3 |
| Southern Africa | 4 | 5 | 1 | 0 | 17 |
| Western Africa | 2 | 3 | 1 | 0 | 2 |
| Western Indian Ocean | 1 | 9 | 10 | 1 | 14 |
| ASIA AND PACIFIC | 27 | 47 | 3 | 0 | 74 |
| Australia and New Zealand | 4 | 12 | 1 | 0 | 42 |
| Central Asia | 0 | 1 | 0 | 0 | 2 |
| North West Pacific and East Asia | 11 | 20 | 1 | 0 | 7 |
| South Asia | 5 | 17 | 0 | 0 | 13 |
| South East Asia | 16 | 21 | 0 | 0 | 18 |
| South Pacific | 3 | 6 | 1 | 0 | 7 |
| EUROPE | 13 | 12 | 0 | 0 | 12 |
| Central Europe | 6 | 10 | 0 | 0 | 3 |
| Eastern Europe | 3 | 3 | 0 | 0 | 4 |
| Western Europe | 7 | 6 | 0 | 0 | 9 |
| LATIN AMERICA AND CARIBBEAN | 32 | 29 | 6 | 2 | 49 |
| Caribbean | 22 | 18 | 5 | 0 | 13 |
| Meso-America | 5 | 6 | 0 | 0 | 10 |
| South America | 10 | 11 | 1 | 2 | 29 |
| NORTH AMERICA | 3 | 9 | 1 | 0 | 17 |
| North America | 3 | 9 | 1 | 0 | 17 |
| POLAR | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 2 | 4 | 0 | 0 | 0 |
| Arabian Peninsula | 1 | 3 | 0 | 0 | 0 |
| Mashriq | 1 | 1 | 0 | 0 | 2 |
| GLOBAL TOTALS | 71 | 93 | 22 | 3 | 175 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 71 | 93 | 22 | 3 | 175 |

1.5 Freshwater

1.5.1 Waste Production and Management

Reused Treated Wastewater

Units: million cubic meters

Data Source: AQUASTAT Information System on Water in Agriculture (data as of January 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: various

| VARIOUS | |
|---|--------|
| AFRICA | 320.00 |
| Central Africa | 0.00 |
| Eastern Africa | 0.00 |
| Northern Africa | 320.00 |
| Southern Africa | 0.00 |
| Western Africa | 0.00 |
| Western Indian Ocean | 0.00 |
| ASIA AND PACIFIC | 299.10 |
| Australia and New Zealand | ---- |
| Central Asia | 299.10 |
| North West Pacific and East Asia | 0.00 |
| South Asia | 0.00 |
| South East Asia | 0.00 |
| South Pacific | ---- |
| EUROPE | ---- |
| Central Europe | ---- |
| Eastern Europe | 0.10 |
| Western Europe | ---- |
| LATIN AMERICA AND CARIBBEAN | 0.00 |
| Caribbean | 0.00 |
| Meso-America | 0.00 |
| South America | 0.00 |
| NORTH AMERICA | ---- |
| North America | ---- |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | 858.53 |
| Arabian Peninsula | 436.23 |
| Mashriq | 422.30 |
| GLOBAL TOTALS | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ---- |

Comments:

Reused treated wastewater: annual quantity of treated wastewater that is reused. The treated wastewater is wastewater discharged from treatment plant (effluent).

1.5.2 Water Consumption and Resources

Desalinated Water

Units: million cubic meters

Data Source: AQUASTAT Information System on Water in Agriculture (data as of January 2001)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: various

| | VARIOUS |
|---|----------------|
| AFRICA | 173.00 |
| Central Africa | 0.00 |
| Eastern Africa | 0.20 |
| Northern Africa | 171.10 |
| Southern Africa | 0.00 |
| Western Africa | 1.70 |
| Western Indian Ocean | 0.00 |
| ASIA AND PACIFIC | 1330.90 |
| Australia and New Zealand | ---- |
| Central Asia | 1328.00 |
| North West Pacific and East Asia | 0.00 |
| South Asia | 2.90 |
| South East Asia | 0.00 |
| South Pacific | ---- |
| EUROPE | ---- |
| Central Europe | ---- |
| Eastern Europe | 0.00 |
| Western Europe | ---- |
| LATIN AMERICA AND CARIBBEAN | 3.30 |
| Caribbean | 3.30 |
| Meso-America | 0.00 |
| South America | 0.00 |
| NORTH AMERICA | ---- |
| North America | ---- |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | 1518.70 |
| Arabian Peninsula | 1516.70 |
| Mashriq | 2.00 |
| GLOBAL TOTALS | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** |

Comments:

Desalinated water corresponds to the annual amount of fresh water generated by desalination of sea or brackish waters (annually estimated on the basis of the total capacity of water desalination installations).

Groundwater Recharge

Units: cubic kilometres

Data Source: various

Data Provider: World Resources Institute

Groundwater Recharge – Total

Years: various

| VARIOUS | |
|---|----------|
| AFRICA | 1586.60 |
| Central Africa | 858.50 |
| Eastern Africa | 106.00 |
| Northern Africa | 23.80 |
| Southern Africa | 181.60 |
| Western Africa | 361.02 |
| Western Indian Ocean | 55.68 |
| ASIA AND PACIFIC | 2818.64 |
| Australia and New Zealand | 270.00 |
| Central Asia | 78.51 |
| North West Pacific and East Asia | 896.20 |
| South Asia | 573.33 |
| South East Asia | 1000.60 |
| South Pacific | ---- |
| EUROPE | 1416.71 |
| Central Europe | 113.18 |
| Eastern Europe | 854.34 |
| Western Europe | 449.19 |
| LATIN AMERICA AND CARIBBEAN | 4084.50 |
| Caribbean | ---- |
| Meso-America | 331.00 |
| South America | 3740.00 |
| NORTH AMERICA | 1884.00 |
| North America | 1884.00 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | 28.58 |
| Arabian Peninsula | 3.60 |
| Mashriq | 24.98 |
| GLOBAL TOTALS | 11819.03 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** |

Groundwater Recharge – per Capita

Year: 2000

| 2000 | |
|---|----------|
| AFRICA | 2023.85 |
| Central Africa | 10454.20 |
| Eastern Africa | 766.82 |
| Northern Africa | 140.89 |
| Southern Africa | 1273.44 |
| Western Africa | 1601.02 |
| Western Indian Ocean | 3255.97 |
| ASIA AND PACIFIC | 809.60 |
| Australia and New Zealand | 11636.53 |
| Central Asia | 1401.58 |
| North West Pacific and East Asia | 606.02 |
| South Asia | 405.90 |
| South East Asia | 1950.21 |
| South Pacific | ---- |
| EUROPE | 1744.14 |
| Central Europe | 656.72 |
| Eastern Europe | 3740.67 |
| Western Europe | 1138.30 |
| LATIN AMERICA AND CARIBBEAN | 7882.41 |
| Caribbean | ---- |
| Meso-America | 2569.81 |
| South America | 10771.97 |
| NORTH AMERICA | 6069.91 |
| North America | 6069.91 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | 312.50 |
| Arabian Peninsula | 80.37 |
| Mashriq | 527.35 |
| GLOBAL TOTALS | 1965.67 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** |

Comments:

Groundwater recharge is the average annual amount of water that is estimated to infiltrate soils, including water from rivers and streams that lose it to underlying strata. In general, this figure would represent the maximum amount of water that could be withdrawn annually without ultimately depleting the groundwater resource.

Groundwater Withdrawal

Data Source: various

Data Provider: World Resources Institute

Years: various

Groundwater Withdrawal – Total

Units: cubic kilometres

| | VARIOUS |
|---|---------------|
| AFRICA | ---- |
| Central Africa | ---- |
| Eastern Africa | ---- |
| Northern Africa | 16.39 |
| Southern Africa | ---- |
| Western Africa | ---- |
| Western Indian Ocean | 4.99 |
| ASIA AND PACIFIC | 380.15 |
| Australia and New Zealand | 2.24 |
| Central Asia | 13.05 |
| North West Pacific and East Asia | 69.26 |
| South Asia | 289.69 |
| South East Asia | ---- |
| South Pacific | ---- |
| EUROPE | 77.48 |
| Central Europe | 21.44 |
| Eastern Europe | ---- |
| Western Europe | 47.84 |
| LATIN AMERICA AND CARIBBEAN | ---- |
| Caribbean | ---- |
| Meso-America | ---- |
| South America | ---- |
| NORTH AMERICA | 110.87 |
| North America | 110.87 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | 21.15 |
| Arabian Peninsula | 18.22 |
| Mashriq | 2.93 |
| GLOBAL TOTALS | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 600.00 |

Comments:

Total groundwater withdrawal refers to the annual abstractions from all groundwater sources—even nonrenewable sources.

Groundwater Withdrawals – from Agriculture

Units: percent

| | VARIOUS |
|---|--------------|
| AFRICA | ---- |
| Central Africa | ---- |
| Eastern Africa | ---- |
| Northern Africa | 64.66 |
| Southern Africa | ---- |
| Western Africa | ---- |
| Western Indian Ocean | ---- |
| ASIA AND PACIFIC | 78.76 |
| Australia and New Zealand | 66.67 |
| Central Asia | 43.60 |
| North West Pacific and East Asia | 47.93 |
| South Asia | 89.20 |
| South East Asia | ---- |
| South Pacific | ---- |
| EUROPE | ---- |
| Central Europe | ---- |
| Eastern Europe | ---- |
| Western Europe | 38.94 |
| LATIN AMERICA AND CARIBBEAN | ---- |
| Caribbean | ---- |
| Meso-America | ---- |
| South America | ---- |
| NORTH AMERICA | 62.03 |
| North America | 62.03 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | 87.23 |
| Arabian Peninsula | 89.37 |
| Mashriq | 73.95 |
| GLOBAL TOTALS | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** |

Comments:

Groundwater withdrawal – agricultural refers to the annual sector share of water abstractions from all groundwater sources (even nonrenewable) for agricultural use (irrigation and livestock).

Units: percent

Data Source: various

Data Provider: World Resources Institute

Years: various

Groundwater Withdrawal – from Industry

| VARIOUS | |
|---|-------|
| AFRICA | ---- |
| Central Africa | ---- |
| Eastern Africa | ---- |
| Northern Africa | 2.21 |
| Southern Africa | ---- |
| Western Africa | ---- |
| Western Indian Ocean | ---- |
| ASIA AND PACIFIC | ---- |
| Australia and New Zealand | 19.51 |
| Central Asia | 25.05 |
| North West Pacific and East Asia | ---- |
| South Asia | 1.94 |
| South East Asia | ---- |
| South Pacific | ---- |
| EUROPE | ---- |
| Central Europe | ---- |
| Eastern Europe | ---- |
| Western Europe | 20.48 |
| LATIN AMERICA AND CARIBBEAN | ---- |
| Caribbean | ---- |
| Meso-America | ---- |
| South America | ---- |
| NORTH AMERICA | 5.42 |
| North America | 5.42 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | 2.62 |
| Arabian Peninsula | 1.87 |
| Mashriq | 7.32 |
| GLOBAL TOTALS | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ---- |

Comments:

Groundwater withdrawal - industrial refers to the annual sector share of water abstractions from all groundwater sources (even nonrenewable) for industrial use, including water withdrawn to cool thermoelectric plants.

Groundwater Withdrawals – from Domestic

| VARIOUS | |
|---|-------|
| AFRICA | ---- |
| Central Africa | ---- |
| Eastern Africa | ---- |
| Northern Africa | 33.11 |
| Southern Africa | ---- |
| Western Africa | ---- |
| Western Indian Ocean | 2.51 |
| ASIA AND PACIFIC | ---- |
| Australia and New Zealand | 13.00 |
| Central Asia | 32.03 |
| North West Pacific and East Asia | ---- |
| South Asia | 9.23 |
| South East Asia | ---- |
| South Pacific | ---- |
| EUROPE | ---- |
| Central Europe | ---- |
| Eastern Europe | ---- |
| Western Europe | 42.00 |
| LATIN AMERICA AND CARIBBEAN | ---- |
| Caribbean | ---- |
| Meso-America | ---- |
| South America | ---- |
| NORTH AMERICA | 20.05 |
| North America | 20.05 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | 10.15 |
| Arabian Peninsula | 8.79 |
| Mashriq | 18.60 |
| GLOBAL TOTALS | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ---- |

Comments:

Groundwater withdrawal - domestic refers to the annual sector share of water abstractions from all groundwater sources (even nonrenewable) for domestic use. It includes drinking water, homes, commercial establishments, public services (for example hospitals) and municipal use or provision.

Internal Renewable Water Resources

Units: cubic meters per person

Data Source: AQUASTAT Information System on Water in Agriculture (data as of February 2002)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Internal Renewable Water Resources - Total

Years: various

| | VARIOUS |
|---|-----------------|
| AFRICA | 3990.82 |
| Central Africa | 1777.20 |
| Eastern Africa | 188.20 |
| Northern Africa | 84.82 |
| Southern Africa | 537.50 |
| Western Africa | 1062.90 |
| Western Indian Ocean | 340.20 |
| ASIA AND PACIFIC | 12973.63 |
| Australia and New Zealand | 670.00 |
| Central Asia | 205.87 |
| North West Pacific and East Asia | 3409.05 |
| South Asia | 2140.27 |
| South East Asia | 5674.19 |
| South Pacific | 874.25 |
| EUROPE | 6835.34 |
| Central Europe | 651.21 |
| Eastern Europe | 4479.32 |
| Western Europe | 1704.82 |
| LATIN AMERICA AND CARIBBEAN | 13428.97 |
| Caribbean | 85.53 |
| Meso-America | 1097.46 |
| South America | 12245.98 |
| NORTH AMERICA | 5308.60 |
| North America | 5308.60 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | 55.37 |
| Arabian Peninsula | 7.69 |
| Mashriq | 47.68 |
| GLOBAL TOTALS | 42592.73 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 41022.00 |

Comments:

Internal renewable water resources is that part of the water resources (surface water and groundwater) generated from endogenous precipitation. It is computed by adding up average annual surface runoff and groundwater recharge occurring within the countries borders.

Internal Renewable Water Resources - per Capita

Year: 2000

| | 2000 |
|---|-----------------|
| AFRICA | 5048.03 |
| Central Africa | 21602.24 |
| Eastern Africa | 1307.76 |
| Northern Africa | 487.76 |
| Southern Africa | 3572.15 |
| Western Africa | 4741.22 |
| Western Indian Ocean | 19072.00 |
| ASIA AND PACIFIC | 3755.33 |
| Australia and New Zealand | 29237.66 |
| Central Asia | 3624.59 |
| North West Pacific and East Asia | 2302.43 |
| South Asia | 1502.92 |
| South East Asia | 10882.93 |
| South Pacific | 144022.07 |
| EUROPE | 8362.84 |
| Central Europe | 3323.67 |
| Eastern Europe | 19764.70 |
| Western Europe | 4322.40 |
| LATIN AMERICA AND CARIBBEAN | 25923.09 |
| Caribbean | 2668.02 |
| Meso-America | 8121.56 |
| South America | 35436.93 |
| NORTH AMERICA | 16907.07 |
| North America | 16907.07 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | 602.87 |
| Arabian Peninsula | 170.72 |
| Mashriq | 1002.85 |
| GLOBAL TOTALS | 7077.37 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 7077.37 |

Comments:

Internal renewable water resources - per capita is the amount of water resources on a per person basis, using 2000 population estimates.

Water Withdrawal

Data Source: AQUASTAT Information System on Water in Agriculture (data as of February 2002)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: various

Water Withdrawal – Total

Units: cubic kilometres

| | VARIOUS |
|--|----------------|
| AFRICA | 151.92 |
| Central Africa | 1.12 |
| Eastern Africa | 6.14 |
| Northern Africa | 96.12 |
| Southern Africa | 20.49 |
| Western Africa | 11.40 |
| Western Indian Ocean | 16.66 |
| ASIA AND PACIFIC | 1849.99 |
| Australia and New Zealand | 16.60 |
| Central Asia | 137.46 |
| North West Pacific and East Asia | 655.15 |
| South Asia | 805.13 |
| South East Asia | 235.52 |
| South Pacific | 0.13 |
| EUROPE | 455.92 |
| Central Europe | 97.48 |
| Eastern Europe | 131.71 |
| Western Europe | 226.73 |
| LATIN AMERICA AND CARIBBEAN | 262.82 |
| Caribbean | 15.85 |
| Meso-America | 90.01 |
| South America | 156.95 |
| NORTH AMERICA | 512.44 |
| North America | 512.44 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | 83.83 |
| Arabian Peninsula | 24.34 |
| Mashriq | 59.49 |
| GLOBAL TOTALS | 3316.92 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 3253.30 |

Comments:

Total water withdrawal: annual quantity of water extracted from the resources for agricultural, industrial and domestic purposes. It does not include other withdrawals.

Water Withdrawal – from Agriculture

Units: percent

| | VARIOUS |
|--|--------------|
| AFRICA | 85.43 |
| Central Africa | 38.51 |
| Eastern Africa | 83.91 |
| Northern Africa | 87.10 |
| Southern Africa | 75.58 |
| Western Africa | 75.36 |
| Western Indian Ocean | 98.52 |
| ASIA AND PACIFIC | 85.79 |
| Australia and New Zealand | 34.33 |
| Central Asia | 91.33 |
| North West Pacific and East Asia | 75.38 |
| South Asia | 93.38 |
| South East Asia | 89.20 |
| South Pacific | 51.54 |
| EUROPE | 36.42 |
| Central Europe | 46.69 |
| Eastern Europe | 30.74 |
| Western Europe | 35.31 |
| LATIN AMERICA AND CARIBBEAN | 73.46 |
| Caribbean | 74.00 |
| Meso-America | 77.89 |
| South America | 70.86 |
| NORTH AMERICA | 39.36 |
| North America | 39.36 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | 90.40 |
| Arabian Peninsula | 87.27 |
| Mashriq | 91.68 |
| GLOBAL TOTALS | 70.95 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 71.00 |

Comments:

Agricultural water withdrawal: annual quantity of water withdrawn for agricultural purposes including irrigation and live-stock watering

Units: percent

Data Source: AQUASTAT Information System on Water in Agriculture (data as of February 2002)

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: various

Water Withdrawal – from Industry

| VARIOUS | |
|---|-------|
| AFRICA | 5.81 |
| Central Africa | 14.82 |
| Eastern Africa | 2.92 |
| Northern Africa | 6.01 |
| Southern Africa | 8.95 |
| Western Africa | 7.37 |
| Western Indian Ocean | 0.15 |
| ASIA AND PACIFIC | 8.39 |
| Australia and New Zealand | 2.96 |
| Central Asia | 5.75 |
| North West Pacific and East Asia | 17.57 |
| South Asia | 2.48 |
| South East Asia | 4.93 |
| South Pacific | 21.54 |
| EUROPE | 48.98 |
| Central Europe | 39.87 |
| Eastern Europe | 52.66 |
| Western Europe | 50.76 |
| LATIN AMERICA AND CARIBBEAN | 8.72 |
| Caribbean | 0.95 |
| Meso-America | 5.39 |
| South America | 11.41 |
| NORTH AMERICA | 47.20 |
| North America | 47.20 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | 3.52 |
| Arabian Peninsula | 1.82 |
| Mashriq | 4.22 |
| GLOBAL TOTALS | 19.75 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 19.75 |

Comments:

Industrial water withdrawal: annual quantity of water withdrawn for industrial purposes. This sector usually refers to self-supplied industries not connected to any distribution network.

Water Withdrawal – from Domestic

| VARIOUS | |
|---|-------|
| AFRICA | 8.66 |
| Central Africa | 46.68 |
| Eastern Africa | 13.29 |
| Northern Africa | 6.74 |
| Southern Africa | 15.42 |
| Western Africa | 17.27 |
| Western Indian Ocean | 1.32 |
| ASIA AND PACIFIC | 6.22 |
| Australia and New Zealand | 62.71 |
| Central Asia | 2.83 |
| North West Pacific and East Asia | 7.85 |
| South Asia | 4.33 |
| South East Asia | 6.16 |
| South Pacific | 26.92 |
| EUROPE | 14.74 |
| Central Europe | 13.06 |
| Eastern Europe | 17.18 |
| Western Europe | 14.05 |
| LATIN AMERICA AND CARIBBEAN | 17.82 |
| Caribbean | 24.99 |
| Meso-America | 16.71 |
| South America | 17.73 |
| NORTH AMERICA | 13.44 |
| North America | 13.44 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | 6.08 |
| Arabian Peninsula | 10.93 |
| Mashriq | 4.10 |
| GLOBAL TOTALS | 9.00 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 9.00 |

Comments:

Domestic water withdrawal: annual quantity of water withdrawn for domestic purposes (drinking water, homes, commercial establishments, public services, and municipal use). It is usually computed as the total amount of water withdrawn by public distribution networks, and usually includes the withdrawal by those industries connected to public networks.

1.6 Coastal and Marine Areas

All data reported as "0.5" values are according to the provider considered as greater than zero, but less than 0.5 metric tonnes. Database downloadable with Fishstat-Plus software (Version 2.3 2000) at: <http://www.fao.org/fi/statist/fisoft/fishplus.asp>.

1.6.1 Aquaculture Production

Aquaculture Production – Total

Units: metric tonnes

Data Source: FAO Fisheries Department, Fishery Information, Data and Statistics Units

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1970-1999

| | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| AFRICA | --- | --- | 82480.50 | 104621.00 | 120660.50 | 121636.50 | 192790.50 | 284127.00 |
| Central Africa | --- | --- | 1153.00 | 1045.00 | 976.00 | 853.00 | 945.00 | 1346.00 |
| Eastern Africa | --- | --- | 1518.00 | 1680.00 | 977.00 | 751.00 | 710.00 | 1015.50 |
| Northern Africa | --- | 19154.00 | 64065.00 | 66316.00 | 80836.00 | 79041.00 | 144729.00 | 231473.00 |
| Southern Africa | --- | --- | 7367.00 | 12693.00 | 11961.00 | 12792.50 | 15167.50 | 16618.50 |
| Western Africa | --- | --- | 7972.50 | 17800.00 | 19860.50 | 18779.00 | 21950.00 | 23811.00 |
| Western Indian Ocean | --- | 69.00 | 405.00 | 5087.00 | 6050.00 | 9420.00 | 9289.00 | 9863.00 |
| ASIA AND PACIFIC | 2760115.45 | 6200333.73 | 14500809.00 | 28544080.50 | 30915017.50 | 32660627.00 | 35673995.50 | 38922834.50 |
| Australia and New Zealand | 8421.00 | 12214.00 | 41001.00 | 92786.00 | 100123.00 | 103487.00 | 121913.00 | 125379.00 |
| Central Asia | 8350.45 | 16733.23 | 38407.00 | 14277.00 | 7249.00 | 10237.00 | 8862.00 | 7591.00 |
| North West Pacific and East Asia | 2159909.00 | 4811813.00 | 11355028.00 | 23450124.00 | 25509750.00 | 27169817.00 | 29895765.00 | 32880816.00 |
| South Asia | 188955.00 | 473214.00 | 1256706.00 | 2063200.00 | 2222894.00 | 2358613.00 | 2618195.00 | 2728841.00 |
| South East Asia | 394479.00 | 886349.00 | 1803004.00 | 2916993.00 | 3063946.00 | 3009280.00 | 3020909.00 | 3165285.00 |
| South Pacific | ---- | ---- | 6663.00 | 6700.50 | 11055.50 | 9193.00 | 8351.50 | 14922.50 |
| EUROPE | 581563.05 | 912758.77 | 1638940.00 | 1647949.00 | 1743471.00 | 1832290.00 | 2037024.00 | 2181641.00 |
| Central Europe | 82546.59 | 114424.79 | 140820.00 | 112631.00 | 117626.00 | 130869.00 | 147438.00 | 166923.00 |
| Eastern Europe | 68222.46 | 136708.98 | 372033.00 | 112603.00 | 94293.00 | 96385.00 | 101162.00 | 112685.00 |
| Western Europe | 430794.00 | 661625.00 | 1126087.00 | 1422715.00 | 1531552.00 | 1605036.00 | 1788424.00 | 1902033.00 |
| LATIN AMERICA AND CARIBBEAN | 1221.50 | 28374.00 | 230656.00 | 489949.00 | 657812.00 | 781248.00 | 807825.00 | 769388.50 |
| Caribbean | ---- | ---- | 13170.50 | 27926.00 | 40871.00 | 48402.00 | 51356.00 | 60530.50 |
| Meso-America | 540.50 | 8919.00 | 31470.00 | 52533.00 | 60595.00 | 72598.00 | 77951.00 | 81600.00 |
| South America | 331.00 | 17126.00 | 186015.50 | 409490.00 | 556346.00 | 660248.00 | 678518.00 | 627258.00 |
| NORTH AMERICA | 172272.00 | 171931.00 | 356664.00 | 478618.00 | 464709.00 | 519248.00 | 536279.00 | 592279.00 |
| North America | 172272.00 | 171931.00 | 356664.00 | 478618.00 | 464709.00 | 519248.00 | 536279.00 | 592279.00 |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arabian Peninsula | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Mashriq | ---- | 4171.00 | 4469.00 | 8927.00 | 9386.00 | 9496.00 | 15426.00 | 9077.00 |
| GLOBAL TOTALS | ---- | ---- | 16816007.50 | 31276934.00 | 33914985.50 | 35929496.00 | 39268705.50 | 42764678.50 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Aquaculture total production includes all fish, molluscs, crustaceans, aquatic plants, aquatic animals and animal products, cultivated in freshwater, marine and brackish environments. Aquaculture is defined by FAO as "the farming of aquatic organisms". Farming implies some form of intervention in the rearing process to enhance production, such as regular stocking, feeding, protection from predators, etc. Farming also implies individual or corporate ownership of the stock being cultivated. For statistical purposes, aquatic organisms which are harvested by an individual or corporate body which has owned them throughout their rearing period contribute to aquaculture while aquatic organisms which are exploitable by the public as a common property resource, with or without appropriate licenses, are the harvest of fisheries. Production of fish, crustaceans and molluscs is expressed in live weight, that is the nominal weight of the aquatic organisms at the time of capture. The harvest of aquatic plants is given in wet weight. Fish, crustaceans, molluscs and all other aquatic organisms included in the database have been classified according to approximately 350 commercial species items, further arranged within the 50 groups of species constituting the nine divisions of the FAO International Standard Statistical Classification of Aquatic Animals and Plants (ISSCAAP). The taxonomic code descriptors are taken from FAO's Aquatic Science and Fisheries Information System.

Crustaceans and Molluscs Catch – Marine

Units: metric tonnes

Data Source: FAO Fisheries Department, Fishery Information, Data and Statistics Units

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1970-1999

| | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|
| AFRICA | 44504.00 | 102307.00 | 234811.50 | 251857.00 | 240313.00 | 232347.00 | 247498.00 | 336683.00 |
| Central Africa | 1601.00 | 2595.00 | 2888.00 | 2231.00 | 3103.00 | 3751.00 | 4763.00 | 4384.00 |
| Eastern Africa | 2200.00 | 2251.00 | 1749.00 | 2202.00 | 2344.00 | 2577.00 | 2177.00 | 2008.00 |
| Northern Africa | 7400.50 | 35040.00 | 103465.50 | 130942.00 | 122908.00 | 102475.00 | 108616.00 | 164079.00 |
| Southern Africa | 17200.50 | 26713.00 | 28632.00 | 27358.00 | 28496.00 | 28304.00 | 33119.00 | 31537.00 |
| Western Africa | 10801.50 | 29103.00 | 86413.00 | 75965.00 | 69942.00 | 80428.00 | 83836.00 | 120845.00 |
| Western Indian Ocean | 5300.50 | 6605.00 | 11664.00 | 13159.00 | 13520.00 | 14812.00 | 14987.00 | 13830.00 |
| ASIA AND PACIFIC | 2588222.50 | 3301374.00 | 5110972.00 | 7294013.00 | 7222472.00 | 8206841.00 | 7948440.00 | 8470597.00 |
| Australia and New Zealand | 54600.00 | 71230.00 | 88425.00 | 162741.00 | 105698.00 | 132936.00 | 131455.00 | 122508.00 |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | 1807912.00 | 2196024.00 | 3576889.00 | 5378519.00 | 5293662.00 | 6126553.00 | 5953548.00 | 6468173.00 |
| South Asia | 162080.00 | 310856.00 | 336208.00 | 397105.00 | 399842.00 | 488841.00 | 458222.00 | 427988.00 |
| South East Asia | 562857.00 | 720979.00 | 1098625.00 | 1340372.00 | 1409157.00 | 1442272.00 | 1393540.00 | 1439768.00 |
| South Pacific | 773.50 | 2285.00 | 10825.00 | 15276.00 | 14113.00 | 16239.00 | 11675.00 | 12160.00 |
| EUROPE | 603663.50 | 1224554.00 | 1540922.00 | 1190354.00 | 1140782.00 | 1119099.00 | 1192213.00 | 1144161.00 |
| Central Europe | 17449.45 | 89931.03 | 159948.00 | 46030.00 | 63184.00 | 56618.00 | 52539.00 | 62249.00 |
| Eastern Europe | 97157.55 | 475565.97 | 526831.00 | 202443.00 | 188963.00 | 170612.00 | 155975.00 | 177471.00 |
| Western Europe | 489056.50 | 659057.00 | 854143.00 | 941881.00 | 888635.00 | 891869.00 | 983699.00 | 904441.00 |
| LATIN AMERICA AND CARIBBEAN | 423318.50 | 514218.00 | 670501.50 | 861821.00 | 1024363.00 | 1182868.00 | 959834.00 | 1127892.00 |
| Caribbean | 21253.50 | 28664.00 | 42446.50 | 36145.00 | 35114.00 | 39040.00 | 38005.00 | 37939.00 |
| Meso-America | 160400.00 | 217050.00 | 229162.00 | 252888.00 | 350018.00 | 343207.00 | 226811.00 | 285978.00 |
| South America | 241665.00 | 268504.00 | 398893.00 | 572788.00 | 639231.00 | 800621.00 | 695018.00 | 803975.00 |
| NORTH AMERICA | 899673.00 | 1256480.00 | 1364124.00 | 1361969.00 | 1334343.00 | 1308819.00 | 1276350.00 | 1371427.00 |
| North America | 899673.00 | 1256480.00 | 1364124.00 | 1361969.00 | 1334343.00 | 1308819.00 | 1276350.00 | 1371427.00 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | 8429.00 | 35942.00 | 69319.00 | 88211.00 | 74176.00 | 68375.00 | 73728.00 | 82074.00 |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | 11080.00 | 16165.00 | 16135.00 | 18543.00 | 25266.00 | 31860.00 | 26502.00 | 22858.00 |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | 4579490.50 | 6451300.00 | 9007194.00 | 11067505.00 | 11062492.00 | 12151232.00 | 11725596.00 | 12556817.00 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 4579490.50 | 4579490.50 | 4579490.50 | 4579490.50 | 4579490.50 | 4579490.50 | 4579490.50 | 4579490.50 |

Comments:

Crustaceans and molluscs catch data relate to nominal catch of crustaceans and molluscs, taken for commercial, industrial, recreational and subsistence purposes from marine waters. The harvest from mariculture, aquaculture and other kinds of fish farming is excluded.

Data include all quantities caught and landed for both food and feed purposes, but exclude discards. Catches of fish are expressed in live weight, that is the nominal weight of the aquatic organisms at the time of capture. To assign nationality to catches, the flag of the fishing vessel is used, unless the wording of chartering and joint operation contracts indicates otherwise.

Fish Catch

Units: metric tonnes

Data Source: FAO Fisheries Department, Fishery Information, Data and Statistics Units

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1970-1999

| | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| AFRICA | 3577558.50 | 3503907.00 | 4737127.50 | 5201994.00 | 5002643.00 | 5377880.50 | 5449378.00 | 5588027.50 |
| Central Africa | 309701.00 | 309878.00 | 387169.50 | 443309.50 | 466022.50 | 441596.50 | 473770.50 | 505143.50 |
| Eastern Africa | 186501.00 | 235985.00 | 477375.50 | 443604.00 | 416616.00 | 419204.00 | 440639.00 | 481413.00 |
| Northern Africa | 391972.50 | 564741.50 | 949900.00 | 1290679.50 | 1079659.50 | 1284604.50 | 1221445.00 | 1237213.50 |
| Southern Africa | 1848972.00 | 1279613.00 | 1440942.50 | 1410727.50 | 1249277.50 | 1362583.00 | 1444892.00 | 1435006.00 |
| Western Africa | 782510.00 | 1047267.50 | 1355341.50 | 1474107.50 | 1656244.50 | 1723175.50 | 1712017.50 | 1742727.50 |
| Western Indian Ocean | 57902.00 | 66422.00 | 126398.50 | 139566.00 | 134823.00 | 146717.00 | 156614.00 | 186524.00 |
| ASIA AND PACIFIC | 17448450.70 | 23104453.94 | 29375433.50 | 30392490.00 | 32125644.00 | 32869889.50 | 33832999.50 | 34512507.50 |
| Australia and New Zealand | 95500.00 | 203809.00 | 460136.00 | 581627.00 | 515090.00 | 656495.00 | 704904.00 | 682394.00 |
| Central Asia | 59254.70 | 43699.94 | 52756.00 | 42411.00 | 36542.50 | 28306.50 | 21518.50 | 23374.50 |
| North West Pacific and East Asia | 10613499.50 | 14396317.50 | 16789989.50 | 15445410.50 | 16920931.50 | 17282607.50 | 17971926.50 | 17683985.50 |
| South Asia | 2405214.50 | 2825732.50 | 3820611.50 | 4438287.50 | 4704121.50 | 4726475.50 | 4503305.50 | 4856218.50 |
| South East Asia | 4221927.50 | 5506647.00 | 8084145.00 | 9649394.50 | 9733467.50 | 9926916.00 | 10340500.00 | 10926348.00 |
| South Pacific | 53054.50 | 128248.00 | 167795.50 | 235359.50 | 215491.00 | 249089.00 | 290845.00 | 340187.00 |
| EUROPE | 17389470.30 | 19830850.56 | 18521713.50 | 16258499.00 | 16535187.00 | 16849199.00 | 15983616.00 | 15022309.00 |
| Central Europe | 1608647.83 | 2407007.77 | 2053745.00 | 1442752.50 | 1209288.50 | 1094603.50 | 1041564.50 | 1073466.50 |
| Eastern Europe | 5493302.47 | 7143765.29 | 7788501.00 | 4197567.00 | 4631856.00 | 4537235.00 | 4388108.00 | 3955604.00 |
| Western Europe | 10287520.00 | 10280077.50 | 8679467.50 | 10618179.50 | 10694042.50 | 11217360.50 | 10553943.50 | 9993238.50 |
| LATIN AMERICA AND CARIBBEAN | 14908984.50 | 8982930.50 | 15381384.00 | 20460399.50 | 20525419.00 | 17881332.00 | 11308251.50 | 16841294.00 |
| Caribbean | 127686.00 | 221194.50 | 222292.50 | 131632.50 | 136472.00 | 136783.00 | 140735.50 | 124028.00 |
| Meso-America | 278616.00 | 1287634.00 | 1306068.00 | 1350281.50 | 1333882.50 | 1389486.50 | 1235222.50 | 1150278.50 |
| South America | 14502682.50 | 7474102.00 | 13853023.50 | 18978485.50 | 19055064.50 | 16355062.50 | 9932293.50 | 15566987.50 |
| NORTH AMERICA | 2775855.50 | 3232230.50 | 5331783.50 | 4060423.50 | 4061427.50 | 4256283.50 | 4044538.50 | 3943024.50 |
| North America | 2775855.50 | 3232230.50 | 5331783.50 | 4060423.50 | 4061427.50 | 4256283.50 | 4044538.50 | 3943024.50 |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | 29653.50 | 66375.50 | 73657.50 | 40554.50 | 41717.50 | 52099.50 | 54786.50 | 78155.50 |
| WEST ASIA | 303506.50 | 296331.50 | 365247.50 | 436029.50 | 420309.50 | 431479.50 | 432385.50 | 432891.50 |
| Arabian Peninsula | 267423.50 | 241549.50 | 337907.00 | 396612.00 | 377083.00 | 386748.00 | 395705.00 | 393370.00 |
| Mashriq | 36083.00 | 54782.00 | 27340.50 | 39417.50 | 43226.50 | 44731.50 | 36680.50 | 39521.50 |
| GLOBAL TOTALS | 56433679.50 | 59017379.50 | 73786412.00 | 76850465.50 | 78712423.00 | 77718239.00 | 71106031.00 | 76418285.00 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 56433679.50 | 56433679.50 | 56433679.50 | 56433679.50 | 56433679.50 | 56433679.50 | 56433679.50 | 56433679.50 |

Comments:

Fish catch relates to nominal catch of fish, taken for commercial, industrial, recreational and subsistence purposes from freshwater, marine and brackish environments. The harvest from mariculture, aquaculture and other kinds of fish farming is excluded.

Data include all quantities caught and landed for both food and feed purposes, but exclude discards. Catches of fish are expressed in live weight, that is the nominal weight of the aquatic organisms at the time of capture. To assign nationality to catches, the flag of the fishing vessel is used, unless the wording of chartering and joint operation contracts indicates otherwise.

Fish Catch Marine

Units: metric tonnes

Data Source: FAO Fisheries Department, Fishery Information, Data and Statistics Units

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1970-1999

| | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| AFRICA | 2540310.50 | 2276370.50 | 2991340.50 | 3374495.50 | 3239288.50 | 3559851.50 | 3588042.50 | 3714271.50 |
| Central Africa | 74000.00 | 102277.00 | 94452.00 | 122929.00 | 127217.00 | 123225.00 | 132789.00 | 131901.00 |
| Eastern Africa | 27800.00 | 18279.00 | 31897.00 | 34976.00 | 33354.00 | 28786.00 | 28390.00 | 32002.00 |
| Northern Africa | 322571.50 | 452584.50 | 761683.50 | 1045944.50 | 826543.50 | 1019989.50 | 950513.50 | 989592.50 |
| Southern Africa | 1614020.00 | 983614.00 | 981844.00 | 1019334.00 | 896604.00 | 976106.00 | 1076867.00 | 1099824.00 |
| Western Africa | 479119.00 | 691160.00 | 1025027.00 | 1041748.00 | 1250749.00 | 1295030.00 | 1272871.00 | 1304430.00 |
| Western Indian Ocean | 22800.00 | 28456.00 | 96437.00 | 109564.00 | 104821.00 | 116715.00 | 126612.00 | 156522.00 |
| ASIA AND PACIFIC | 15183723.64 | 20937318.57 | 26709542.00 | 27363383.00 | 28929091.00 | 29666046.00 | 30467344.00 | 30629430.00 |
| Australia and New Zealand | 94500.00 | 201908.00 | 457056.00 | 580825.00 | 514237.00 | 655668.00 | 704290.00 | 681062.00 |
| Central Asia | 69.64 | 92.57 | 93.00 | ---- | ---- | ---- | ---- | 23.00 |
| North West Pacific and East Asia | 10227908.00 | 13995710.00 | 16080028.00 | 14499313.00 | 15876177.00 | 16201330.00 | 16706980.00 | 16244944.00 |
| South Asia | 1282041.50 | 1799265.50 | 2744812.50 | 3278384.50 | 3495349.50 | 3486512.50 | 3270353.50 | 3461849.50 |
| South East Asia | 3526161.50 | 4819621.50 | 7271365.50 | 8780301.50 | 8838668.50 | 9084340.50 | 9506028.50 | 9912528.50 |
| South Pacific | 53043.00 | 120721.00 | 156187.00 | 224528.00 | 204629.00 | 238175.00 | 279677.00 | 329023.00 |
| EUROPE | 16983168.86 | 19422475.43 | 18116009.00 | 15956421.50 | 16228504.50 | 16562956.50 | 15681980.50 | 14743095.50 |
| Central Europe | 1546604.54 | 2327940.70 | 1955525.00 | 1352182.50 | 1123609.50 | 1024791.50 | 966768.50 | 1001703.50 |
| Eastern Europe | 5225151.82 | 6946192.72 | 7579620.00 | 4096692.00 | 4519141.00 | 4429735.00 | 4268021.00 | 3854730.00 |
| Western Europe | 10211412.50 | 10148342.00 | 8580864.00 | 10507547.00 | 10585754.00 | 11108430.00 | 10447191.00 | 9886662.00 |
| LATIN AMERICA AND CARIBBEAN | 14760702.50 | 8674590.50 | 14944898.00 | 19956854.00 | 20049190.00 | 17433114.00 | 10871211.00 | 16413013.00 |
| Caribbean | 126977.00 | 213576.00 | 204859.00 | 119971.00 | 124424.00 | 127228.00 | 133559.00 | 117785.00 |
| Meso-America | 270845.00 | 1260467.00 | 1187877.00 | 1224820.00 | 1209273.00 | 1271823.00 | 1128014.00 | 1051704.00 |
| South America | 14362880.50 | 7200547.50 | 13552162.00 | 18612063.00 | 18715493.00 | 16034063.00 | 9609638.00 | 15243524.00 |
| NORTH AMERICA | 2703205.00 | 3157621.00 | 5294388.00 | 4026116.00 | 4031917.00 | 4224620.00 | 4013539.00 | 3904547.00 |
| North America | 2703205.00 | 3157621.00 | 5294388.00 | 4026116.00 | 4031917.00 | 4224620.00 | 4013539.00 | 3904547.00 |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | 29653.00 | 66375.00 | 73657.00 | 40554.00 | 41717.00 | 52099.00 | 54786.00 | 78155.00 |
| WEST ASIA | 272220.00 | 280023.00 | 344564.00 | 408869.00 | 397784.00 | 407030.00 | 418554.00 | 415660.00 |
| Arabian Peninsula | 267420.00 | 241546.00 | 337904.00 | 396609.00 | 377080.00 | 386745.00 | 395702.00 | 393367.00 |
| Mashriq | 4800.00 | 38477.00 | 6660.00 | 12260.00 | 20704.00 | 20285.00 | 22852.00 | 22293.00 |
| GLOBAL TOTALS | 52473183.50 | 54815074.00 | 68474463.50 | 71126768.00 | 72917567.00 | 71905792.00 | 65095532.00 | 69898247.00 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 52473183.50 | 52473183.50 | 52473183.50 | 52473183.50 | 52473183.50 | 52473183.50 | 52473183.50 | 52473183.50 |

Comments:

Fish catch data relate to nominal catch of fish, taken for commercial, industrial, recreational and subsistence purposes from marine waters. The harvest from mariculture, aquaculture and other kinds of fish farming is excluded.

Data include all quantities caught and landed for both food and feed purposes but exclude discards. Catches of fish are expressed in live weight, that is the nominal weight of the aquatic organisms at the time of capture. To assign nationality to catches, the flag of the fishing vessel is used, unless the wording of chartering and joint operation contracts indicates otherwise.

Fishery Production – Marine

Units: metric tonnes

Data Source: FAO Fisheries Department, Fishery Information, Data and Statistics Units

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| AFRICA | 1637800.00 | 2586738.50 | 2383351.50 | 3219197.50 | 3623428.50 | 3486842.50 | 3795438.50 | 3843337.50 | 4057219.50 |
| Central Africa | 42600.00 | 75600.00 | 104872.00 | 97340.00 | 125160.00 | 130320.00 | 126976.00 | 137552.00 | 136285.00 |
| Eastern Africa | 17700.00 | 30000.00 | 20530.00 | 33873.00 | 37181.00 | 35700.00 | 31367.00 | 30571.00 | 34011.00 |
| Northern Africa | 230200.00 | 330199.50 | 486054.50 | 849041.50 | 1163993.50 | 943095.50 | 1114084.50 | 1056220.50 | 1152710.50 |
| Southern Africa | 1137500.00 | 1631220.00 | 1010340.00 | 1012233.00 | 1049419.00 | 927275.00 | 1007480.00 | 1113262.00 | 1134253.00 |
| Western Africa | 198900.00 | 491619.00 | 726494.00 | 1118556.00 | 1123161.00 | 1329376.00 | 1380931.00 | 1360980.00 | 1425886.00 |
| Western Indian Ocean | 10900.00 | 28100.00 | 35061.00 | 108154.00 | 124514.00 | 121076.00 | 134600.00 | 144752.00 | 174074.00 |
| ASIA AND PACIFIC | 11631561.00 | 18709443.00 | 26071970.00 | 36270713.00 | 44140036.00 | 45932394.00 | 47830719.00 | 48949500.00 | 50623271.00 |
| Australia and New Zealand | 103100.00 | 158721.00 | 287221.00 | 587934.00 | 836529.00 | 719677.00 | 891210.00 | 956493.00 | 928437.00 |
| Central Asia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| North West Pacific and East Asia | 8703556.00 | 12827862.00 | 17730316.00 | 23368922.00 | 28093494.00 | 29705203.00 | 31070515.00 | 31872647.00 | 32828809.00 |
| South Asia | 1077600.00 | 1467391.50 | 2149496.50 | 3268862.50 | 3972733.50 | 4213695.50 | 4269671.50 | 4044129.50 | 4268026.50 |
| South East Asia | 1716100.50 | 4201255.50 | 5781493.50 | 8878513.50 | 10997909.50 | 11075418.50 | 11345085.50 | 11784937.50 | 12255016.50 |
| South Pacific | 31204.50 | 54213.00 | 123443.00 | 166481.00 | 239370.00 | 218400.00 | 254237.00 | 291293.00 | 342982.00 |
| EUROPE | 9931136.05 | 18181059.50 | 21357611.00 | 20677587.00 | 18480892.50 | 18782992.50 | 19213693.50 | 18623076.50 | 17742848.50 |
| Central Europe | 585680.00 | 1581674.75 | 2419293.73 | 2116940.00 | 1396769.50 | 1191527.50 | 1079832.50 | 1026709.50 | 1074044.50 |
| Eastern Europe | 2008106.55 | 5511519.25 | 7579865.27 | 8221794.00 | 4469831.00 | 4848640.00 | 4798793.00 | 4637322.00 | 4232736.00 |
| Western Europe | 7337349.50 | 11087865.50 | 11358452.00 | 10338853.00 | 12614292.00 | 12742825.00 | 13335068.00 | 12959045.00 | 12436068.00 |
| LATIN AMERICA AND CARIBBEAN | 4546701.00 | 15185417.50 | 9200773.50 | 15745325.00 | 21140964.00 | 21459789.00 | 19088692.00 | 12354184.00 | 18033828.00 |
| Caribbean | 67300.50 | 148577.00 | 243350.00 | 249629.00 | 158014.00 | 161218.00 | 168379.00 | 173525.00 | 157135.00 |
| Meso-America | 202100.00 | 432045.00 | 1477981.00 | 1431846.00 | 1517241.00 | 1597360.00 | 1660951.00 | 1409186.00 | 1390446.00 |
| South America | 4277300.50 | 14604795.50 | 7479442.50 | 14063850.00 | 19465709.00 | 19701211.00 | 17259362.00 | 10771473.00 | 16486247.00 |
| NORTH AMERICA | 3476717.00 | 4030505.00 | 4865146.00 | 7215726.00 | 6158823.00 | 5979714.00 | 6052691.00 | 5829573.00 | 5908857.00 |
| North America | 3476717.00 | 4030505.00 | 4865146.00 | 7215726.00 | 6158823.00 | 5979714.00 | 6052691.00 | 5829573.00 | 5908857.00 |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | 34786.00 | 39461.00 | 103738.00 | 143331.00 | 128890.00 | 116018.00 | 120596.00 | 128590.00 | 160253.00 |
| WEST ASIA | 127200.00 | 283600.00 | 296338.00 | 361302.00 | 429403.00 | 425026.00 | 441635.00 | 448639.00 | 441846.00 |
| Arabian Peninsula | 123100.00 | 278800.00 | 257801.00 | 354535.00 | 416831.00 | 403970.00 | 420752.00 | 425181.00 | 418853.00 |
| Mashriq | 4100.00 | 4800.00 | 38537.00 | 6767.00 | 12572.00 | 21056.00 | 20883.00 | 23458.00 | 22993.00 |
| GLOBAL TOTALS | 31386501.05 | 59017024.50 | 64279428.00 | 83633548.50 | 94102937.00 | 96183276.00 | 96543965.00 | 90177400.00 | 96968623.00 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 31386501.05 | 31386501.05 | 31386501.05 | 31386501.05 | 31386501.05 | 31386501.05 | 31386501.05 | 31386501.05 | 31386501.05 |

Comments:

Fishery production - marine includes: marine fish, marine, crustaceans, marine molluscs and diadromous fish caught in marine areas.

Fishery production relates to catch of aquatic organisms, taken for commercial, industrial, recreational and subsistence purposes from inland, brackish and marine waters. The harvest from mariculture, aquaculture and other kinds of fish farming is also included. Data include all quantities caught for both food and feed purposes but exclude discards. Catches of fish, crustaceans and molluscs are expressed in live weight, that is the nominal weight of the aquatic organisms at the time of capture. To assign nationality to catches, the flag of the fishing vessel is used, unless the wording of chartering and joint operation contracts indicates otherwise. According to the inland or marine area where caught, capture production is also classified into seven major inland fishing areas and 18 major marine fishing areas, internationally established for fishery statistical purposes.

1.6.2 Boundaries

The United Nations Convention on the Law of the Sea (UNCLOS) was opened for signature on 10 December 1982 in Montego Bay, Jamaica, and it entered into force on 16 November 1994. As of January 2000, there were 132 countries that have ratified UNCLOS. Under UNCLOS, coastal States can claim sovereign rights in a 200-nautical mile exclusive economic zone (EEZ). This allows for sovereign rights over the EEZ in terms of exploration, exploitation, conservation and management of all natural resources in the seabed, its subsoil and overlaying waters. UNCLOS allows other states to navigate and fly over the EEZ, as well as to lay submarine cables and pipelines. The inner limit of the EEZ starts at the outer boundary of the Territorial Sea (that is to say 12 nautical miles from the low-water line along the coast).

In cases where a country's low-water lines is within 400 nautical miles of each other the EEZ boundaries are generally established by treaty, though there are many cases where these are in dispute. Under UNCLOS, "land-locked and geographically disadvantaged States have the right to participate on an equitable basis in exploitation of an appropriate part of the surplus of the living resources of the EEZ's of coastal States of the same region or sub-region". Some States have not ratified UNCLOS and many have not yet claimed their EEZ. These areas of unclaimed EEZ are the areas that a State has the right to claim under UNCLOS, but has not done so yet. Given the uncertainties surrounding much of the delimitation of the EEZ, these figures should be used with caution. Further information on the Web site: <http://www.maritimeboundaries.com>. Data source: exclusive economic zone area calculations are from L. Pruitt and J. Cimino, unpublished data, Global Maritime Boundaries Database (GMBD), Veridian - MRJ Technology Solutions, (Fairfax, Virginia, January, 2000).

Units: square kilometres

Data Source: The Global Maritime Boundaries Database (GMBD)

Data Provider: Viridian - MRJ Technology Solutions

Years: 2000

Claimed Exclusive Economic Zone (EEZ)

| | 2000 |
|---|-----------|
| AFRICA | ---- |
| Central Africa | ---- |
| Eastern Africa | 106544 |
| Northern Africa | ---- |
| Southern Africa | ---- |
| Western Africa | 1784273 |
| Western Indian Ocean | 4114902 |
| ASIA AND PACIFIC | ---- |
| Australia and New Zealand | 10551548 |
| Central Asia | ---- |
| North West Pacific and East Asia | ---- |
| South Asia | 3845876 |
| South East Asia | 4185408 |
| South Pacific | 19603432 |
| EUROPE | 11642594 |
| Central Europe | 270650 |
| Eastern Europe | 6361067 |
| Western Europe | ---- |
| LATIN AMERICA AND CARIBBEAN | 15847750 |
| Caribbean | 2356050 |
| Meso-America | 4132911 |
| South America | 9358789 |
| NORTH AMERICA | 11084405 |
| North America | 11084405 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | ---- |
| Arabian Peninsula | ---- |
| Mashriq | ---- |
| GLOBAL TOTALS | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 102108403 |

Exclusive Fishing Zone (EFZ)

| | 2000 |
|---|----------|
| AFRICA | ---- |
| Central Africa | 41483 |
| Eastern Africa | 759253 |
| Northern Africa | ---- |
| Southern Africa | ---- |
| Western Africa | ---- |
| Western Indian Ocean | ---- |
| ASIA AND PACIFIC | ---- |
| Australia and New Zealand | ---- |
| Central Asia | ---- |
| North West Pacific and East Asia | ---- |
| South Asia | ---- |
| South East Asia | ---- |
| South Pacific | ---- |
| EUROPE | ---- |
| Central Europe | ---- |
| Eastern Europe | ---- |
| Western Europe | ---- |
| LATIN AMERICA AND CARIBBEAN | ---- |
| Caribbean | ---- |
| Meso-America | ---- |
| South America | ---- |
| NORTH AMERICA | ---- |
| North America | ---- |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | ---- |
| Arabian Peninsula | ---- |
| Mashriq | ---- |
| GLOBAL TOTALS | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 12885241 |

Comments: The exclusive fishing zone or fishery zone refers to an area beyond the outer limit of the territorial sea (12 nautical miles from the coast) in which the coastal State has the right to fish, subject to any concessions which may be granted to foreign fishermen. Some countries have made no claim beyond the territorial sea. Some states have claimed an exclusive fishing zone instead of the more encompassing 200 nautical mile EEZ.

Units: square kilometres

Data Source: The Global Maritime Boundaries Database (GMBD)

Data Provider: Viridian - MRJ Technology Solutions

Year: 2000

Territorial Sea

| | 2000 |
|---|-----------------|
| AFRICA | 1069124 |
| Central Africa | 61038 |
| Eastern Africa | 125325 |
| Northern Africa | 229874 |
| Southern Africa | 249572 |
| Western Africa | 197739 |
| Western Indian Ocean | 205576 |
| ASIA AND PACIFIC | 8631507 |
| Australia and New Zealand | 949726 |
| Central Asia | ---- |
| North West Pacific and East Asia | 851989 |
| South Asia | 498281 |
| South East Asia | 4450878 |
| South Pacific | 1880633 |
| EUROPE | 2694369 |
| Central Europe | 194138 |
| Eastern Europe | 1378150 |
| Western Europe | 1122081 |
| LATIN AMERICA AND CARIBBEAN | 2079913 |
| Caribbean | 575449 |
| Meso-America | 474504 |
| South America | 1029960 |
| NORTH AMERICA | 3484108 |
| North America | 3484108 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | 277302 |
| Arabian Peninsula | 267931 |
| Mashriq | 9371 |
| GLOBAL TOTALS | 18236323 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 18816919 |

Comments:

World total ("reported global totals from original data") excludes 2,867,050 square kilometres of disputed territorial seas.

Territorial sea is defined under UNCLOS as the 12-nautical mile zone from the baseline or low-water line along the coast. The coastal State's sovereignty extends to the territorial sea, including its sea-bed, subsoil, and air space above it. Foreign vessels are allowed "innocent passage" through those waters. Even though the established limit for a territorial sea is 12 nautical miles, some countries claim larger areas. Territorial seas with overlapping claims from different countries are shown separately as disputed territorial seas.

Continental Shelf Area

| | 2000 |
|---|--------------------|
| AFRICA | 1246082.90 |
| Central Africa | 67391.10 |
| Eastern Africa | 99726.90 |
| Northern Africa | 274922.00 |
| Southern Africa | 391344.30 |
| Western Africa | 254813.50 |
| Western Indian Ocean | 157885.10 |
| ASIA AND PACIFIC | 8158697.10 |
| Australia and New Zealand | 2312994.10 |
| Central Asia | 237621.00 |
| North West Pacific and East Asia | 1446521.30 |
| South Asia | 684836.10 |
| South East Asia | 3224698.90 |
| South Pacific | 252025.70 |
| EUROPE | 6456161.30 |
| Central Europe | 239877.80 |
| Eastern Europe | 4295697.00 |
| Western Europe | 1920586.50 |
| LATIN AMERICA AND CARIBBEAN | 3009595.90 |
| Caribbean | 187606.90 |
| Meso-America | 619006.50 |
| South America | 2202982.50 |
| NORTH AMERICA | 5107516.90 |
| North America | 5107516.90 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | 307772.00 |
| Arabian Peninsula | 304635.30 |
| Mashriq | 3136.70 |
| GLOBAL TOTALS | 24285826.10 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 24285959.12 |

Comments:

According to UNCLOS, the continental shelf is the area of the seabed and subsoil which extends beyond the territorial sea to a distance of 200 nautical miles from the territorial sea baseline and beyond that distance to the outer edge of the continental margin.

Areas of continental shelf that are disputed by overlapping claims by one or more nations have been excluded from this table. Areas that are of cooperative joint development between two or more nations have also been excluded. Coastal States have sovereign rights over the continental shelf (the national area of the seabed) for exploring and exploiting it; the shelf can extend at least 200 nautical miles from the shore, and more under specified circumstances.

Length of Coastline

Units: kilometres

Data Source: World Vector Shoreline, United States Defence Mapping Agency

Data Provider: Viridian - MRJ Technology Solutions

Year: 2000

| | 2000 |
|---|-------------------|
| AFRICA | 76540.50 |
| Central Africa | 5071.30 |
| Eastern Africa | 9373.30 |
| Northern Africa | 15660.80 |
| Southern Africa | 18158.70 |
| Western Africa | 16411.20 |
| Western Indian Ocean | 11865.20 |
| ASIA AND PACIFIC | 429920.30 |
| Australia and New Zealand | 83738.90 |
| Central Asia | 7524.40 |
| North West Pacific and East Asia | 77567.30 |
| South Asia | 33803.90 |
| South East Asia | 173252.20 |
| South Pacific | 54033.60 |
| EUROPE | 336155.50 |
| Central Europe | 21151.10 |
| Eastern Europe | 116510.30 |
| Western Europe | 198494.10 |
| LATIN AMERICA AND CARIBBEAN | 218270.00 |
| Caribbean | 35246.30 |
| Meso-America | 38456.90 |
| South America | 144566.80 |
| NORTH AMERICA | 398835.20 |
| North America | 398835.20 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | 18959.80 |
| Arabian Peninsula | 18321.20 |
| Mashriq | 638.60 |
| GLOBAL TOTALS | 1478681.30 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 1634700.69 |

Comments:

The measurement of an irregular and curving feature such as a nation's coastal length is scale-dependent and very difficult to measure. Maps of individual islands for example, frequently show great detail, whereas regional maps summarize complex coastlines into a few simple lines. In addition, coastal features are constantly changing due to erosion, etc. The only way to derive comparable statistics on coastline length is to use a single source which uses a constant scale. This is what has been attempted with the data presented in this table, however, highly complex coastlines will appear longer at higher resolutions. Estimates may differ from other published sources.

Because of the difficulty in trying to measure coastline length, these figures should be interpreted as approximations and should be used with caution. Coastline length was derived from the World Vector Shoreline database at 1:250,000 kilometres. The estimates presented here were calculated using a geographic information system (GIS) and an underlying database consistent for the entire world.

The methodology used to estimate length is based on the following: 1) A country's coastline is made up of individual lines, and an individual line has two or more vertices and/or nodes. 2) The length between two vertices is calculated on the surface of a sphere. 3) The sum of the lengths of the pairs of vertices is aggregated for each individual line, and 4) the sum of the lengths of individual lines was aggregated for a country. In general, the coastline length of islands that are part of a country, but are not overseas territories, are included in the coastline estimate for that country (that is to say Canary Islands are included in Spain). Coastline length for overseas territories and dependencies are listed separately. Disputed areas are not included in country or regional totals. Data source: coastal length data are based on the World Vector Shoreline, United States Defence Mapping Agency, 1989. Figures were calculated by L. Pruitt and J. Cimino, unpublished data, Global Maritime Boundaries Database (GMBD), Veridian - MRJ Technology Solutions, (Fairfax, Virginia, January, 2000).

1.6.3 Population

Population Within 100 Kilometres of Coast

Units: percent

Data Source: Gridded Population of the World (GPW), Version 2 alpha

Data Provider: Consortium for International Earth Science Information Network (CIESIN)

Year: 1995

| | 1995 |
|--|--------------|
| AFRICA | 28.89 |
| Central Africa | 8.08 |
| Eastern Africa | 7.84 |
| Northern Africa | 51.54 |
| Southern Africa | 26.20 |
| Western Africa | 30.76 |
| Western Indian Ocean | 61.90 |
| ASIA AND PACIFIC | 38.14 |
| Australia and New Zealand | 91.50 |
| Central Asia | 2.84 |
| North West Pacific and East Asia | 33.82 |
| South Asia | 27.45 |
| South East Asia | 80.75 |
| South Pacific | 73.39 |
| EUROPE | 41.30 |
| Central Europe | 30.32 |
| Eastern Europe | 17.13 |
| Western Europe | 60.98 |
| LATIN AMERICA AND CARIBBEAN | 50.71 |
| Caribbean | 99.91 |
| Meso-America | 41.47 |
| South America | 48.73 |
| NORTH AMERICA | 41.39 |
| North America | 41.39 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | 38.79 |
| Arabian Peninsula | 54.28 |
| Mashriq | 25.07 |
| GLOBAL TOTALS | 38.69 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 39.00 |

Comments:

Globally 2.2 billion people or 39 percent of the population live within 100 km from the coast. Estimates were based on 1995 population figures. The Gridded Population of the World is a raster data set that provides information on the spatial distribution of the world's human population. The grid cells are approximately 4.6 km on each side. Populations are distributed according to administrative districts which vary in scale, level and size from country to country. A 100 km coastal buffer with a 10 km "safe area" falling into the sea were used in the geographic information system to calculate the number of people in the coastal zone for each country individually. The percentage population in the coastal zone were calculated from 1995 United Nations (UN) Population Division totals for each country. Please refer to the original source for further information on the variables and collection methodologies.

Data source: percent of the population living within 100 kilometres from the coast is derived from the Centre for International Earth Science Information Network (CIESIN), World Resources Institute, and International Food Policy Research Institute, "Gridded Population of the World, Version 2 alpha" (Columbia University, Palisades, NY, 2000), available at <http://sedac.ciesin.columbia.edu/plue/gpw/index.html>.

1.7 Atmosphere

1.7.1 Climate

Precipitation

Data Source: Mitchell, T.D. and Hulme, M. (2001), Climate Data for Political Areas

Data Provider: Intergovernmental Panel on Climate Change (IPCC) Data Distribution Centre (DDC)

Years: 1961-90

Precipitation - Cubic Kilometres

Units: cubic kilometres per year

| | 1961-90 |
|---|------------------|
| AFRICA | 20445.51 |
| Central Africa | 6745.23 |
| Eastern Africa | 1918.30 |
| Northern Africa | 1624.50 |
| Southern Africa | 5394.42 |
| Western Africa | 3860.44 |
| Western Indian Ocean | 902.63 |
| ASIA AND PACIFIC | 29929.43 |
| Australia and New Zealand | 4606.10 |
| Central Asia | 997.59 |
| North West Pacific and East Asia | 7267.55 |
| South Asia | 5156.64 |
| South East Asia | 10227.74 |
| South Pacific | 1673.81 |
| EUROPE | 12930.33 |
| Central Europe | 1403.27 |
| Eastern Europe | 8471.30 |
| Western Europe | 3055.76 |
| LATIN AMERICA AND CARIBBEAN | 30796.12 |
| Caribbean | 341.94 |
| Meso-America | 2738.57 |
| South America | 27715.61 |
| NORTH AMERICA | 12435.42 |
| North America | 12435.42 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | 199.72 |
| WEST ASIA | 421.53 |
| Arabian Peninsula | 251.28 |
| Mashriq | 170.26 |
| GLOBAL TOTALS | 107163.02 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 107163.02 |

Precipitation - Cubic Kilometres

Units: millimetres per year

| | 1961-90 |
|---|----------------|
| AFRICA | 674.50 |
| Central Africa | 1257.04 |
| Eastern Africa | 695.45 |
| Northern Africa | 190.56 |
| Southern Africa | 778.38 |
| Western Africa | 628.94 |
| Western Indian Ocean | 1517.93 |
| ASIA AND PACIFIC | 844.50 |
| Australia and New Zealand | 574.92 |
| Central Asia | 249.19 |
| North West Pacific and East Asia | 619.77 |
| South Asia | 761.38 |
| South East Asia | 2335.05 |
| South Pacific | 3055.25 |
| EUROPE | 537.88 |
| Central Europe | 656.66 |
| Eastern Europe | 467.86 |
| Western Europe | 804.93 |
| LATIN AMERICA AND CARIBBEAN | 1496.47 |
| Caribbean | 1466.40 |
| Meso-America | 1104.35 |
| South America | 1551.29 |
| NORTH AMERICA | 634.47 |
| North America | 634.47 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | 584.50 |
| WEST ASIA | 113.33 |
| Arabian Peninsula | 83.67 |
| Mashriq | 235.45 |
| GLOBAL TOTALS | 832.52 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 832.52 |

Comments:

The Global totals do not include values for Antarctica.

Precipitation is the annual average (within 1961-90) of water falling on the country. The original data took the form of a value for each month and each box on a 0.5 degree latitude / longitude grid. The seasonal and annual values are the means of their constituent months. Original Data Station observations were first collected by national meteorological, hydrological and related services, and were acquired through the free and unrestricted exchange of meteorological and related data. These observations were gridded by collaborators at the Climatic Research Unit (www.cru.uea.ac.uk).

The gridded data-set is publicly available, and has been published in a peer-reviewed scientific journal: New, M., Hulme, M., and Jones, P., 1999: Representing twentieth-century space-time climate variability. Part I: Development of a 1961-1990 mean monthly terrestrial climatology. *Journal of Climate* 12: 829-856.

New, M.G., Hulme,M., and Jones,P.D., 2000: Representing twentieth-century space-time climate variability. Part II: Development of 1901-1996 monthly grids of terrestrial surface climate. *Journal of Climate* 13: 2217-2238.).

1.7.2 Emissions of GHG, ODS, Dust, Metals

Some of the figures may be negative since the figures are for each calendar year, it is quite possible that in some years the feedstock figure may exceed the production figure of that year, if the feedstock use is from a carry-over stock. The production could be negative in such cases. For the same reason, the consumption could also be negative. The data formats used by the Parties, before 1997, to report data were replaced by a revised format after the Ninth Meeting of the Parties (for more information see Article 7 of the Protocol).

Carbon to the Atmosphere from Land-Use Change - Annual Net Flux

Units: million tonnes of carbon

Data Source: Houghton and Hackler (2001), CDIAC NPD-050/R1

Data Provider: Carbon Dioxide Information Analysis Centre (CDIAC)

Years: 1960-1990

| | 1960 | 1970 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| AFRICA | 95.34 | 149.73 | 238.69 | 256.24 | 261.24 | 265.19 | 267.79 | 269.92 | 318.45 | 326.58 | 332.71 | 337.54 | 341.50 |
| Central Africa | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Eastern Africa | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Northern Africa | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Southern Africa | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Western Africa | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Western Indian Ocean | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| ASIA AND PACIFIC | 527.77 | 635.99 | 808.66 | 1068.87 | 1125.17 | 1166.90 | 1196.46 | 1219.02 | 1237.49 | 1215.52 | 1224.47 | 1235.19 | 1147.00 |
| Australia and New Zealand | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Central Asia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| North West Pacific and East Asia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| South Asia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| South East Asia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| South Pacific | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| EUROPE | 230.33 | 128.03 | 21.35 | 18.07 | 14.34 | 11.59 | 9.28 | 7.43 | 4.74 | 3.85 | 3.20 | 2.77 | 2.03 |
| Central Europe | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Eastern Europe | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Western Europe | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| LATIN AMERICA AND CARIBBEAN | 366.65 | 638.01 | 511.59 | 516.39 | 517.03 | 516.74 | 552.39 | 563.87 | 567.57 | 592.06 | 596.17 | 579.12 | 577.16 |
| Caribbean | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Meso-America | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| South America | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| NORTH AMERICA | -2.61 | -9.26 | -7.09 | -7.01 | -5.80 | -4.30 | -2.55 | -0.55 | 1.67 | 4.08 | 6.69 | 9.47 | 12.42 |
| North America | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arabian Peninsula | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Mashriq | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GLOBAL TOTALS | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 1240.68 | 1563.98 | 1595.05 | 1869.54 | 1928.54 | 1972.56 | 2041.41 | 2079.48 | 2150.28 | 2163.10 | 2184.95 | 2186.55 | 2103.34 |

Comments:

Carbon to the atmosphere from land-use change - annual net flux is a numeric database with annual estimations, from 1850 through 1990, of the net flux of carbon between terrestrial ecosystems and the atmosphere. The data is the result of deliberate changes in land cover and land use, especially forest clearing for agriculture and the harvest of wood for wood products or energy.

The database is an attempt to calculate the flux between the atmosphere and the terrestrial ecosystems, for both temperate and tropical ecosystems. The database is a revision to Houghton and Hackler (1995) and it provides and documents the data corresponding to the analysis reported by Houghton (1999).

Consumption of ODS: Carbon Tetrachloride

Units: ozone depleting potential (ODP) tonnes

Data Source: Production and Consumption of Ozone Depleting Substances 1986-2000

Data Provider: Secretariat for the Vienna Convention and the Montreal Protocol (the Ozone Secretariat)

Years: 1989-2000

| | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|---------|------|
| AFRICA | --- | --- | --- | --- | --- | --- | 898.99 | 518.36 | 489.87 | 348.20 | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | 7.37 | --- | --- | --- | --- | --- | 40.72 | 24.78 | 71.88 | 69.70 | --- | --- |
| Northern Africa | 262.35 | --- | 180.51 | --- | 185.68 | 94.95 | 250.25 | 245.30 | 138.53 | 83.60 | 59.40 | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | 590.02 | 656.87 | 607.37 | 230.52 | 244.42 | 160.78 | 151.58 | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | 0.09 | 0.05 | 0.11 | 0.03 | 0.03 | --- |
| ASIA AND PACIFIC | 110148.86 | --- | 41696.31 | 50877.84 | 9642.79 | -11604.51 | 7394.70 | 8850.30 | 92126.54 | 16942.24 | --- | --- |
| Australia and New Zealand | 9.12 | --- | 12.32 | 1.51 | 0.86 | 0.24 | 0.43 | 0.52 | 0.24 | 0.01 | --- | --- |
| Central Asia | 136.62 | --- | 86.24 | --- | 44.53 | 35.43 | 20.90 | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | 104820.10 | --- | 14567.30 | 35884.20 | 39486.70 | -18.70 | -15579.30 | -2160.40 | 149.60 | 85661.40 | 147.40 | --- |
| South Asia | 4868.38 | --- | 5529.71 | 11059.96 | 9386.85 | 3752.62 | 9381.35 | 8627.88 | 6432.78 | 16786.50 | --- | --- |
| South East Asia | 314.43 | --- | 267.77 | --- | 263.11 | 213.79 | 128.68 | 36.87 | 11.22 | 8.25 | --- | --- |
| South Pacific | 0.21 | --- | 0.00 | --- | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | --- | --- | --- |
| EUROPE | 185103.09 | --- | 14365.62 | 20619.15 | 14714.93 | -493.51 | -3656.14 | -1943.93 | 7854.07 | 2270.53 | --- | --- |
| Central Europe | 8237.45 | --- | 1122.13 | 7195.65 | --- | 636.65 | -98.66 | 2135.27 | -685.76 | --- | --- | --- |
| Eastern Europe | 103299.90 | 1989.90 | 2209.90 | 3000.03 | -3011.69 | 35.31 | 16.25 | 548.78 | -2177.52 | 4956.17 | 2038.10 | --- |
| Western Europe | 73565.74 | --- | 10156.91 | 22508.71 | 7483.97 | 693.91 | -4841.57 | 332.25 | 762.63 | --- | --- | --- |
| LATIN AMERICA AND CARIBBEAN | 37547.20 | 37390.14 | 22136.50 | 23170.70 | 1196.85 | 5671.46 | -617.83 | -235.48 | 15.23 | 4024.38 | --- | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | 18409.60 | 6551.60 | 2966.04 | 612.04 | 602.91 | 16.17 | 13.97 | 13.53 | 16.06 | 19.51 | 12.32 | --- |
| South America | 19046.48 | 30641.13 | 21524.38 | 22529.51 | 1180.68 | 5561.79 | -638.18 | -317.54 | -50.16 | 4011.99 | --- | --- |
| NORTH AMERICA | 18091.70 | --- | 3671.80 | 37921.40 | 405.90 | -18829.80 | 11.00 | -27239.80 | -32361.67 | -12486.77 | --- | --- |
| North America | 18091.70 | --- | 3671.80 | 37921.40 | 405.90 | -18829.80 | 11.00 | -27239.80 | -32361.67 | -12486.77 | --- | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | 990.13 | 568.84 | 337.21 | 683.21 | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Consumption means production plus imports minus exports of controlled substances, as reported to the Secretariat by 183 parties to the Montreal Protocol on Substances that Deplete the Ozone Layer. Annex B, Group II: carbon tetrachloride comprises CCl₄.

Consumption of ODS: Chlorofluorocarbons

Units: ozone depleting potential (ODP) tonnes

Data Source: Production and Consumption of Ozone Depleting Substances 1986-2000

Data Provider: Secretariat for the Vienna Convention and the Montreal Protocol (the Ozone Secretariat)

Years: 1986, 1989-2000

| | 1986 | 1989 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-----------|-----------|-----------|-----------|----------|----------|----------|----------|------|
| AFRICA | ---- | 20632.54 | ---- | 12327.30 | 13630.08 | 13262.02 | 12076.61 | ---- | ---- |
| Central Africa | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Eastern Africa | 305.96 | 317.11 | ---- | 401.52 | 272.29 | 361.48 | 359.38 | ---- | ---- |
| Northern Africa | 10258.20 | 7728.00 | ---- | 6804.84 | 6879.52 | 6215.88 | 5097.90 | 3736.30 | ---- |
| Southern Africa | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Western Africa | ---- | 1158.84 | 1322.98 | 2436.32 | 5454.13 | 5554.93 | 5540.44 | 4826.04 | ---- |
| Western Indian Ocean | 111.57 | ---- | ---- | 49.55 | 61.20 | 136.25 | 68.50 | 48.43 | ---- |
| ASIA AND PACIFIC | 181146.86 | 220271.64 | ---- | 135675.69 | 79031.13 | 79638.05 | 79191.05 | 65940.73 | ---- |
| Australia and New Zealand | 16378.40 | 15477.28 | 7974.80 | 2773.65 | 235.86 | 183.93 | 195.06 | 274.14 | ---- |
| Central Asia | 3157.76 | 4019.86 | ---- | ---- | 1115.54 | 757.41 | 1170.21 | ---- | ---- |
| North West Pacific and East Asia | 147378.40 | 181398.88 | 139552.20 | 98361.80 | 46486.76 | 50975.90 | 55226.54 | 43027.20 | ---- |
| South Asia | 3296.96 | 5516.96 | ---- | 9338.17 | 9761.31 | 9019.10 | 7575.21 | 10683.79 | ---- |
| South East Asia | 10864.58 | 13813.89 | ---- | 24775.22 | 21334.81 | 18643.99 | 14961.54 | 11871.92 | ---- |
| South Pacific | 70.76 | ---- | ---- | 77.10 | 96.85 | 57.72 | 62.49 | ---- | ---- |
| EUROPE | 499785.38 | 452814.26 | 333708.39 | 47825.07 | 42645.09 | 34786.97 | 37829.55 | 31555.06 | ---- |
| Central Europe | 46102.04 | 39865.44 | ---- | 11607.08 | 7014.04 | 6826.52 | 5884.56 | 2662.98 | ---- |
| Eastern Europe | 110986.00 | 107546.20 | 104500.02 | 22328.36 | 14749.78 | 12994.74 | 13356.14 | 16099.65 | ---- |
| Western Europe | 342697.34 | 305402.62 | 207651.75 | 13889.63 | 20881.27 | 14965.71 | 18588.85 | ---- | ---- |
| LATIN AMERICA AND CARIBBEAN | 35496.73 | 32605.90 | 32225.41 | 33096.52 | 30608.92 | 27778.85 | 24789.96 | 25360.89 | ---- |
| Caribbean | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Meso-America | 10193.82 | 10701.97 | 12733.05 | 6261.53 | 6875.84 | 5518.03 | 4227.84 | 3979.24 | ---- |
| South America | 23813.14 | 20032.31 | 18131.33 | 25387.62 | 22234.83 | 20838.46 | 19273.05 | 20500.59 | ---- |
| NORTH AMERICA | 325921.80 | 336386.00 | 211481.80 | 40346.00 | 2026.00 | 1053.57 | 2563.24 | 2898.96 | ---- |
| North America | 325921.80 | 336386.00 | 211481.80 | 40346.00 | 2026.00 | 1053.57 | 2563.24 | 2898.96 | ---- |
| POLAR | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| WEST ASIA | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arabian Peninsula | 8508.46 | ---- | ---- | 3575.81 | 3484.38 | 3867.57 | 4043.04 | ---- | ---- |
| Mashriq | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GLOBAL TOTALS | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Consumption means production plus imports minus exports of controlled substances, as reported to the Secretariat by 183 parties to the Montreal Protocol on Substances that Deplete the Ozone Layer. The Annex A, Group I: chlorofluorocarbons (CFCs) comprise CFC₁, CF₂Cl₂, C₂F₃Cl₃, C₂F₄Cl₂, C₂F₅Cl.

Consumption of ODS: Hydrochlorofluorocarbons

Units: ozone depleting potential (ODP) tonnes

Data Source: Production and Consumption of Ozone Depleting Substances 1986-2000

Data Provider: Secretariat for the Vienna Convention and the Montreal Protocol (the Ozone Secretariat)

Years: 1989-2000

| | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|---------|--------|---------|---------|----------|----------|----------|----------|----------|----------|---------|------|
| AFRICA | --- | --- | --- | --- | --- | --- | 235.91 | 367.92 | 448.52 | 503.38 | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | 2.75 | --- | --- | --- | --- | --- | 6.73 | 13.35 | 13.36 | 18.94 | --- | --- |
| Northern Africa | 5.72 | --- | 21.77 | --- | 20.85 | 22.16 | 9.52 | 86.63 | 96.14 | 125.13 | 117.94 | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | 28.19 | 29.85 | 12.99 | 8.11 | 26.51 | 35.86 | 49.47 | 74.83 | 60.82 | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | 3.73 | 1.23 | 11.09 | 6.96 | 5.62 | --- |
| ASIA AND PACIFIC | 2781.55 | --- | 3254.07 | 6071.78 | 5271.45 | 7764.54 | 6604.73 | 7183.61 | 6621.02 | 9359.00 | --- | --- |
| Australia and New Zealand | 171.37 | --- | 148.04 | 223.22 | 142.42 | 196.69 | 254.74 | 248.87 | 284.94 | 286.58 | --- | --- |
| Central Asia | 7.34 | --- | --- | 7.22 | --- | --- | 3.95 | 3.30 | 1.78 | --- | --- | --- |
| North West Pacific and East Asia | 2080.50 | --- | 2399.03 | 2568.74 | 5038.42 | 4236.55 | 6429.13 | 5059.71 | 5680.21 | 5010.30 | 7717.79 | --- |
| South Asia | 124.28 | --- | 147.79 | 181.56 | 176.40 | 187.99 | 214.39 | 38.13 | 42.72 | 49.16 | --- | --- |
| South East Asia | 396.99 | --- | 387.18 | --- | 709.75 | 943.74 | 1068.45 | 1210.32 | 1273.58 | 1301.45 | --- | --- |
| South Pacific | 1.07 | --- | --- | --- | --- | --- | 3.81 | 3.49 | 2.78 | 7.70 | --- | --- |
| EUROPE | 4258.26 | --- | 4978.73 | 5791.65 | 7748.75 | 9681.56 | 9260.77 | 9214.35 | 11074.52 | 9552.91 | --- | --- |
| Central Europe | 124.91 | --- | --- | 114.46 | 155.21 | --- | 264.31 | 351.86 | 393.61 | 408.31 | --- | --- |
| Eastern Europe | 1243.23 | 474.20 | 356.30 | 289.53 | 181.49 | 121.03 | 115.26 | 105.33 | 114.74 | 102.23 | 157.95 | --- |
| Western Europe | 2890.12 | --- | 4625.69 | 5495.70 | 7472.51 | 9328.11 | 8891.13 | 8747.75 | 10578.68 | --- | --- | --- |
| LATIN AMERICA AND CARIBBEAN | 507.83 | 427.52 | --- | 740.67 | 782.40 | 870.40 | 1031.88 | 948.00 | 1168.27 | 1297.16 | 1970.71 | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | 150.16 | 132.58 | 127.38 | 333.99 | 346.83 | 335.34 | 322.23 | 362.72 | 463.47 | 513.31 | 1171.03 | --- |
| South America | 338.39 | 290.50 | --- | 388.77 | 398.94 | 517.26 | 665.45 | 545.03 | 682.05 | 746.52 | 765.87 | --- |
| NORTH AMERICA | 6728.00 | --- | 5956.59 | 7272.65 | 11478.34 | 14663.15 | 12113.29 | 11656.65 | 14706.60 | 14794.52 | --- | --- |
| North America | 6728.00 | --- | 5956.59 | 7272.65 | 11478.34 | 14663.15 | 12113.29 | 11656.65 | 14706.60 | 14794.52 | --- | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | 214.96 | 280.10 | 312.36 | 322.85 | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Consumption means production plus imports minus exports of controlled substances, as reported to the Secretariat by 183 parties to the Montreal Protocol on Substances that Deplete the Ozone Layer. The Annex C, Group I: hydrochlorofluorocarbons (HCFCs) comprise CHFCl₂, CHF₂Cl, CH₂FCl, C₂HFCl₄, C₂HF₂Cl₃, C₂HF₃Cl₂, CHCl₂CF₃, C₂HF₄Cl, CHFCICF₃, C₂H₂FCl₃, C₂H₂F₂Cl₂, C₂H₂F₃Cl, C₂H₃FCl₂, C₂H₃CF₂Cl, C₂H₄FCI, C₃HFCI₆, C₃HF₂Cl₅, C₃HF₃Cl₄, C₃HF₄Cl₃, C₃HF₅Cl₂, CF₃CF₂CHCl₂, CF₂ClCF₂CHClF, C₃HF₆Cl, C₃H₂FCl₅, C₃H₂F₂Cl₄, C₃H₂F₃Cl₃, C₃H₂F₄Cl₂, C₃H₂F₅Cl, C₃H₃FCl₄, C₃H₃F₂Cl₃, C₃H₃F₃Cl₂, C₃H₃F₄Cl, C₃H₄FCI₃, C₃H₄F₂Cl₂, C₃H₄F₃Cl, C₃H₅FCI₂, C₃H₆FCl.

Consumption of ODS: Methyl Chloroform

Units: ozone depleting potential (ODP) tonnes

Data Source: Production and Consumption of Ozone Depleting Substances 1986-2000

Data Provider: Secretariat for the Vienna Convention and the Montreal Protocol (the Ozone Secretariat)

Years: 1989-2000

| | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|----------|--------|----------|----------|----------|---------|---------|--------|---------|---------|---------|------|
| AFRICA | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | 0.00 | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | --- | --- |
| Northern Africa | 0.00 | --- | 0.00 | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| ASIA AND PACIFIC | 15683.10 | --- | --- | 15773.70 | 7221.35 | 388.90 | 5149.10 | 967.00 | 1183.10 | 1033.70 | 1170.30 | --- |
| Australia and New Zealand | 0.00 | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Central Asia | 0.00 | --- | --- | --- | 0.00 | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| North West Pacific and East Asia | 15636.40 | 44.00 | 17119.10 | 15725.40 | 7165.45 | 388.90 | 5149.10 | 967.00 | 1183.10 | 1033.70 | 1170.30 | --- |
| South Asia | 46.70 | --- | --- | 48.30 | 55.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| South East Asia | 0.00 | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| South Pacific | 0.00 | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| EUROPE | 13421.90 | --- | --- | 11361.40 | 5534.70 | 3044.47 | 1641.95 | 79.86 | 225.91 | 184.30 | 259.40 | --- |
| Central Europe | 27.20 | --- | --- | --- | 9.90 | 7.80 | --- | 12.90 | 2.91 | 0.00 | 0.00 | --- |
| Eastern Europe | 330.00 | 310.00 | 310.00 | 400.00 | 100.00 | 196.57 | 196.90 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Western Europe | 13064.70 | --- | --- | 10961.40 | 5424.80 | 2840.10 | 1439.00 | 66.96 | 223.00 | 184.30 | --- | --- |
| LATIN AMERICA AND CARIBBEAN | 1130.00 | 660.00 | --- | 750.00 | 764.00 | 39.20 | 0.00 | 0.00 | 0.00 | 0.00 | 97.20 | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| South America | 1130.00 | 660.00 | --- | 750.00 | 764.00 | 39.20 | 0.00 | 0.00 | 0.00 | 0.00 | 97.20 | --- |
| NORTH AMERICA | 32649.10 | --- | --- | 25722.60 | 20637.10 | 5794.60 | 4598.60 | 447.50 | 437.30 | 262.30 | 245.80 | --- |
| North America | 32649.10 | --- | --- | 25722.60 | 20637.10 | 5794.60 | 4598.60 | 447.50 | 437.30 | 262.30 | 245.80 | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Production means the amount of controlled substances produced, minus the amount destroyed by technologies approved by the parties (to the Montreal Protocol on Substances that Deplete the Ozone Layer) and minus the amount entirely used as feedstock in the manufacture of other chemicals. The amount recycled and reused is not to be considered as production. The data forms prescribe reporting of feedstock use and of quantities destroyed separately, and reporting of total production without deduction. The Secretariat would make the necessary deduction.

Consumption of ODS: Other Fully Halogenated CFCs

Units: ozone depleting potential (ODP) tonnes

Data Source: Production and Consumption of Ozone Depleting Substances 1986-2000

Data Provider: Secretariat for the Vienna Convention and the Montreal Protocol (the Ozone Secretariat)

Years: 1989-2000

| | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|---------|--------|---------|---------|--------|---------|---------|---------|-------|-------|-------|------|
| AFRICA | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | 0.00 | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | --- | --- |
| Northern Africa | 0.00 | --- | 0.00 | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| ASIA AND PACIFIC | 2342.00 | --- | --- | 1600.00 | 808.00 | 136.00 | 35.00 | 17.00 | 27.00 | 26.00 | 27.00 | --- |
| Australia and New Zealand | 0.00 | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Central Asia | 0.00 | --- | --- | --- | 0.00 | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| North West Pacific and East Asia | 2342.00 | --- | 1585.00 | 1600.00 | 808.00 | 136.00 | 35.00 | 17.00 | 27.00 | 26.00 | 27.00 | --- |
| South Asia | 0.00 | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| South East Asia | 0.00 | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| South Pacific | 0.00 | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| EUROPE | 384.00 | --- | --- | --- | 51.60 | -145.50 | -257.77 | -126.00 | 75.00 | 13.05 | 16.50 | --- |
| Central Europe | 0.00 | --- | --- | --- | 0.00 | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Eastern Europe | 300.00 | 300.00 | 250.00 | 17.00 | 0.60 | 25.00 | 24.78 | 20.00 | 75.00 | 13.05 | 16.50 | --- |
| Western Europe | 84.00 | --- | --- | 20.00 | 51.00 | -170.50 | -282.00 | -146.00 | 0.00 | 0.00 | --- | --- |
| LATIN AMERICA AND CARIBBEAN | 0.00 | 0.00 | --- | 10.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| South America | 0.00 | 0.00 | --- | 10.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| NORTH AMERICA | 577.00 | --- | --- | 75.00 | 106.00 | 101.00 | 38.00 | 0.00 | 0.00 | -1.00 | 0.00 | --- |
| North America | 577.00 | --- | --- | 75.00 | 106.00 | 101.00 | 38.00 | 0.00 | 0.00 | -1.00 | 0.00 | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Production means the amount of controlled substances produced, minus the amount destroyed by technologies approved by the Parties (to the Montreal Protocol on Substances that Deplete the Ozone Layer) and minus the amount entirely used as feedstock in the manufacture of other chemicals. The amount recycled and reused is not to be considered as production. The data forms prescribe reporting of feedstock use and of quantities destroyed separately, and reporting of total production without deduction. The Secretariat would make the necessary deduction.

The data is reported to the Secretariat by the parties to the Montreal Protocol on Substances that Deplete the Ozone Layer. Annex B, Group I: other fully halogenated CFCs comprise CF₃Cl, C₂FCl₅, C₂F₂Cl₄, C₃FCl₇, C₃F₂Cl₆, C₃F₃Cl₅, C₃F₄Cl₄, C₃F₅Cl₃, C₃F₆Cl₂, C₃F₇Cl.

Emissions of CO₂ - from Cement Production (CDIAC)

Units: thousand metric tonnes of CO₂

Data Source: Energy Statistics Published by the United Nations and the U.S. Bureau of Mines and Energy Information Administration

Data Provider: Carbon Dioxide Information Analysis Centre (CDIAC)

Years: 1960-1998

| | 1960 | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| AFRICA | 4136.37 | 8886.90 | 15897.20 | 24981.73 | 26786.10 | 27480.57 | 27280.00 | 28732.73 | 30627.30 | 31525.63 | 31428.10 | 32714.37 |
| Central Africa | 99.73 | 224.03 | 545.60 | 643.87 | 494.27 | 511.13 | 506.37 | 427.53 | 517.37 | 495.00 | 478.50 | 382.07 |
| Eastern Africa | 225.87 | 579.70 | 694.10 | 985.97 | 914.10 | 969.10 | 948.57 | 1013.47 | 1170.77 | 1357.03 | 1263.53 | 1122.00 |
| Northern Africa | 2101.73 | 3396.80 | 7929.17 | 15362.23 | 17485.23 | 18096.10 | 17737.13 | 18488.80 | 19661.03 | 20286.93 | 19762.23 | 20990.20 |
| Southern Africa | 1540.00 | 3731.93 | 4337.30 | 4949.27 | 4816.53 | 4615.97 | 4808.47 | 4992.53 | 5530.07 | 5589.47 | 5971.53 | 6051.10 |
| Western Africa | 169.03 | 916.30 | 2361.33 | 3010.33 | 3045.90 | 3258.20 | 3249.40 | 3630.37 | 3572.07 | 3608.00 | 3754.30 | 3959.63 |
| Western Indian Ocean | 0.00 | 38.13 | 29.70 | 30.07 | 30.07 | 30.07 | 30.07 | 180.03 | 176.00 | 189.20 | 198.00 | 209.37 |
| ASIA AND PACIFIC | 30935.85 | 63941.31 | 140693.89 | 255070.17 | 283324.83 | 317884.60 | 355851.47 | 390703.50 | 426102.60 | 448582.20 | 462728.93 | 444907.47 |
| Australia and New Zealand | 1699.50 | 2662.37 | 3045.53 | 3899.50 | 3333.00 | 2987.23 | 3141.60 | 3690.13 | 3715.07 | 3727.17 | 3727.90 | 3727.53 |
| Central Asia | 3220.98 | 6739.84 | 8848.62 | 9694.27 | 8986.66 | 7430.13 | 5684.80 | 4039.20 | 3422.47 | 2725.07 | 2545.77 | 2582.07 |
| North West Pacific and East Asia | 19989.93 | 40805.97 | 103302.83 | 181889.40 | 206685.97 | 240026.60 | 272274.57 | 301827.90 | 330623.33 | 341479.60 | 351332.67 | 338996.17 |
| South Asia | 4948.17 | 9528.93 | 14971.00 | 35128.87 | 37300.63 | 37176.33 | 39684.33 | 41317.47 | 44202.77 | 51144.87 | 53128.90 | 56572.27 |
| South East Asia | 1077.27 | 4174.87 | 10455.87 | 24387.00 | 26934.60 | 30177.77 | 34981.47 | 39737.13 | 44043.63 | 49413.83 | 51902.03 | 42939.60 |
| South Pacific | 0.00 | 29.33 | 70.03 | 71.13 | 83.97 | 86.53 | 84.70 | 91.67 | 95.33 | 91.67 | 91.67 | 89.83 |
| EUROPE | 81902.52 | 154842.09 | 198751.81 | 196275.96 | 183453.94 | 169979.33 | 156751.10 | 151022.30 | 150404.10 | 144763.30 | 149699.00 | 151526.47 |
| Central Europe | 11719.74 | 23810.67 | 40857.31 | 39049.16 | 34989.66 | 33271.33 | 34044.27 | 34381.60 | 36163.60 | 37336.93 | 38440.97 | 39691.30 |
| Eastern Europe | 18953.21 | 39659.19 | 52067.90 | 57043.94 | 52880.15 | 43134.67 | 33909.33 | 25329.33 | 22893.20 | 17410.43 | 17203.27 | 17101.70 |
| Western Europe | 51229.57 | 91372.23 | 105826.60 | 100182.87 | 95584.13 | 93573.33 | 88797.50 | 91311.37 | 91347.30 | 90015.93 | 94054.77 | 94733.47 |
| LATIN AMERICA AND CARIBBEAN | 8704.30 | 17901.03 | 37731.83 | 42431.40 | 43553.03 | 43876.07 | 45530.83 | 48804.07 | 48495.70 | 52486.13 | 56905.20 | 60681.50 |
| Caribbean | 962.50 | 2227.50 | 3292.30 | 3645.40 | 3212.00 | 3293.40 | 2603.70 | 2651.73 | 2963.40 | 3180.83 | 3534.67 | 3606.90 |
| Meso-America | 1673.47 | 4006.20 | 9500.33 | 14408.17 | 14536.87 | 15247.47 | 15712.77 | 17068.33 | 14266.63 | 15056.43 | 16345.27 | 16873.63 |
| South America | 6068.33 | 11667.33 | 24939.20 | 24377.83 | 25804.17 | 25335.20 | 27214.37 | 29084.00 | 31265.67 | 34248.87 | 37025.27 | 40200.97 |
| NORTH AMERICA | 30574.50 | 36540.53 | 39264.50 | 40693.77 | 38127.83 | 37474.07 | 40132.40 | 44147.77 | 43556.33 | 45305.33 | 47172.40 | 47869.43 |
| North America | 30574.50 | 36540.53 | 39264.50 | 40693.77 | 38127.83 | 37474.07 | 40132.40 | 44147.77 | 43556.33 | 45305.33 | 47172.40 | 47869.43 |
| POLAR | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Antarctic | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Arctic | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WEST ASIA | 1104.77 | 2478.67 | 8038.07 | 17265.23 | 14075.97 | 16219.13 | 17644.37 | 18771.87 | 20044.20 | 20611.80 | 18958.50 | 18708.07 |
| Arabian Peninsula | 44.73 | 463.10 | 3105.67 | 9176.93 | 8708.70 | 11066.00 | 11154.73 | 11815.47 | 13253.53 | 13772.73 | 12968.63 | 12930.50 |
| Mashriq | 1060.03 | 2015.57 | 4932.40 | 8088.30 | 5367.27 | 5153.13 | 6489.63 | 6956.40 | 6790.67 | 6839.07 | 5989.87 | 5777.57 |
| GLOBAL TOTALS | 157358.30 | 284590.53 | 440377.30 | 576718.27 | 589321.70 | 612913.77 | 643190.17 | 682182.23 | 719230.23 | 743274.40 | 766892.13 | 756407.30 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 157666.67 | 286000.00 | 440000.00 | 575666.67 | 590333.33 | 612333.33 | 645333.33 | 682000.00 | 718666.67 | 744333.33 | 766333.33 | 759000.00 |

Comments:

Emissions of CO₂ - from cement production (CDIAC) is the amount of CO₂ created by the conversion of calcium carbonate to calcium oxide inside the kilns, and by burning large quantities of fossil fuels to heat the kilns to the 1450°C necessary for roasting limestone.

The annual estimates of CO₂ emissions from cement production have been derived from energy statistics published by the United Nations and the cement production estimates by the U.S. Department of Interior's Bureau of Mines. These estimations were calculated using the methods of G. Marland and R. M. Rotty (1984). For information about the data collection methodology used by G. Marland and Rotty see <http://cdiac.esd.ornl.gov>.

Emissions of CO₂ - Total (CDIAC)

Units: thousand metric tonnes of CO₂

Data Source: Energy Statistics Published by the United Nations U.S. and the Bureau of Mines and Energy Information Administration

Data Provider: Carbon Dioxide Information Analysis Centre (CDIAC)

Years: 1960-1998

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 |
|---|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| AFRICA | 145797.67 | 298939.67 | 516743.33 | 700498.33 | 804961.67 | 797797.00 | 803733.33 | 819001.33 |
| Central Africa | 3153.33 | 5470.67 | 14325.67 | 14831.67 | 10189.67 | 9654.33 | 8884.33 | 9529.67 |
| Eastern Africa | 3322.00 | 6193.00 | 9995.33 | 10699.33 | 11421.67 | 11304.33 | 10992.67 | 13515.33 |
| Northern Africa | 29788.00 | 84139.00 | 167119.33 | 234219.33 | 282091.33 | 290264.33 | 304901.67 | 307241.00 |
| Southern Africa | 100903.00 | 169040.67 | 237127.00 | 321548.33 | 377076.33 | 360374.67 | 367568.67 | 374036.67 |
| Western Africa | 7967.67 | 32365.67 | 85140.00 | 115690.67 | 119280.33 | 120978.00 | 106069.33 | 109200.67 |
| Western Indian Ocean | 663.67 | 1730.67 | 3036.00 | 3509.00 | 4902.33 | 5221.33 | 5316.67 | 5478.00 |
| ASIA AND PACIFIC | 1559932.53 | 2579303.27 | 4175394.02 | 6294189.83 | 7781502.67 | 8185191.67 | 8234299.33 | 7946572.33 |
| Australia and New Zealand | 99733.33 | 156783.00 | 220513.33 | 289784.00 | 323205.67 | 344648.33 | 348135.33 | 361779.00 |
| Central Asia | 189134.53 | 300290.27 | 441037.02 | 484257.49 | 309129.33 | 284837.67 | 278659.33 | 271718.33 |
| North West Pacific and East Asia | 1063010.67 | 1664897.67 | 2738717.67 | 4096645.67 | 5136123.67 | 5358690.33 | 5333562.67 | 5053073.67 |
| South Asia | 160728.33 | 308854.33 | 508728.00 | 978937.67 | 1294777.00 | 1402522.00 | 1441462.00 | 1485414.33 |
| South East Asia | 45811.33 | 142945.00 | 258489.00 | 435882.33 | 707498.00 | 783709.67 | 821674.33 | 763887.67 |
| South Pacific | 1514.33 | 5533.00 | 7909.00 | 8682.67 | 10769.00 | 10783.67 | 10805.67 | 10699.33 |
| EUROPE | 3965554.47 | 5988013.73 | 7633248.98 | 7608750.51 | 6272071.67 | 6392961.67 | 6196802.33 | 6148255.67 |
| Central Europe | 530635.11 | 905166.14 | 1296123.30 | 1201114.34 | 1047075.33 | 1088215.33 | 1069896.67 | 1029394.67 |
| Eastern Europe | 1234204.36 | 1959555.26 | 2878003.35 | 3160040.17 | 2090205.33 | 2033515.00 | 1950879.33 | 1907227.67 |
| Western Europe | 2200715.00 | 3123292.33 | 3459122.33 | 3247596.00 | 3134791.00 | 3271231.33 | 3176026.33 | 3211633.33 |
| LATIN AMERICA AND CARIBBEAN | 295097.00 | 508555.67 | 874786.00 | 994755.67 | 1183116.00 | 1218840.33 | 1281998.67 | 1339286.67 |
| Caribbean | 27665.00 | 61468.00 | 103194.67 | 98446.33 | 111763.67 | 115008.67 | 116226.00 | 127629.33 |
| Meso-America | 67030.33 | 114150.67 | 269518.33 | 324848.33 | 347042.67 | 357635.67 | 386738.00 | 409856.33 |
| South America | 200401.67 | 332937.00 | 502073.00 | 571461.00 | 724309.67 | 746196.00 | 779034.67 | 801801.00 |
| NORTH AMERICA | 3113938.67 | 4551796.33 | 5051409.00 | 5248686.67 | 5668259.67 | 5816503.00 | 5955297.33 | 5919221.00 |
| North America | 3113938.67 | 4551796.33 | 5051409.00 | 5248686.67 | 5668259.67 | 5816503.00 | 5955297.33 | 5919221.00 |
| POLAR | 223.67 | 381.33 | 557.33 | 564.67 | 520.67 | 535.33 | 531.67 | 535.33 |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | 223.67 | 381.33 | 557.33 | 553.67 | 502.33 | 517.00 | 520.67 | 528.00 |
| WEST ASIA | 29700.00 | 123156.00 | 296057.67 | 432171.67 | 606980.00 | 640915.00 | 650598.67 | 683965.33 |
| Arabian Peninsula | 14879.33 | 88337.33 | 221826.00 | 327712.00 | 455748.33 | 489170.00 | 494541.67 | 520567.67 |
| Mashriq | 14820.67 | 34818.67 | 74231.67 | 104459.67 | 151231.67 | 151745.00 | 156057.00 | 163397.67 |
| GLOBAL TOTALS | 9110244.00 | 14050146.00 | 18548196.33 | 21279617.33 | 22317412.33 | 23052744.00 | 23123261.33 | 22856837.67 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 9452666.67 | 14941666.67 | 19422333.33 | 22352000.00 | 23386000.00 | 23943333.33 | 24302666.67 | 24229333.33 |

Comments:

Emissions of CO₂ - total (CDIAC) are the sum of CO₂ produced during the consumption of solid, liquid, and gaseous fuels, and from gas flaring, and cement manufacturing. The data is primarily derived from U.N. data. Thereafter supplemented with data from the U.S. Department of Energy's Energy Information Administration (R. M. Rotty) and with a few national estimates provided by G. Marland. For information about the data collection methodology used by R. M. Rotty (1974) and G. Marland see <http://cdiac.esd.ornl.gov>.

The sum of emissions estimates for all countries is not equal to the estimate of global total emissions because:

1. The global total includes emissions from bunker fuels (that is to say fuels used by ships and aircraft during international trade) whereas these are not included in any national totals.
2. The global total includes estimates for the oxidation of non-fuel hydrocarbon products (for example asphalt) whereas national totals do not.
3. National totals include annual changes in fuel stocks whereas the global total does not.
4. Due to statistical differences in the international statistics, the sum of exports from all exporters is not identical to the sum of imports by all importers.

Emissions of CO₂ - Total per Capita (CDIAC)

Units: kilograms of CO₂ per capita

Data Source: Energy Statistics Published by the United Nations and the U.S. Bureau of Mines and Energy Information Administration

Data Provider: Carbon Dioxide Information Analysis Centre (CDIAC)

Years: 1960-1998

| | 1960 | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| AFRICA | 641.55 | 866.78 | 1144.26 | 1179.13 | 1170.16 | 1236.07 | 1173.28 | 1160.47 | 1185.84 | 1146.76 | 1127.43 | 1135.97 |
| Central Africa | 116.72 | 158.26 | 317.91 | 242.93 | 176.33 | 177.04 | 191.72 | 158.14 | 141.00 | 129.90 | 116.48 | 121.91 |
| Eastern Africa | 81.61 | 100.76 | 123.77 | 98.59 | 86.65 | 90.39 | 95.61 | 97.16 | 93.98 | 96.64 | 91.67 | 110.00 |
| Northern Africa | 443.55 | 981.11 | 1509.01 | 1632.21 | 1642.02 | 1631.48 | 1716.31 | 1658.74 | 1763.82 | 1777.99 | 1827.18 | 1867.20 |
| Southern Africa | 2513.28 | 2636.20 | 2844.36 | 2971.70 | 2955.97 | 2955.35 | 2758.20 | 2909.26 | 3018.02 | 2818.53 | 2813.03 | 2802.97 |
| Western Africa | 105.35 | 328.08 | 658.21 | 674.74 | 678.29 | 924.65 | 757.53 | 668.25 | 611.88 | 606.61 | 519.70 | 522.50 |
| Western Indian Ocean | 100.80 | 203.52 | 279.61 | 248.74 | 272.23 | 276.46 | 282.71 | 292.10 | 303.79 | 315.13 | 312.73 | 314.10 |
| ASIA AND PACIFIC | 992.04 | 1275.28 | 1637.59 | 2042.16 | 2083.85 | 2121.50 | 2151.66 | 2237.98 | 2314.36 | 2400.17 | 2378.60 | 2359.80 |
| Australia and New Zealand | 7885.01 | 10210.60 | 12470.96 | 14311.50 | 13690.52 | 14377.04 | 14509.47 | 14797.89 | 14983.98 | 15802.51 | 15795.37 | 16256.42 |
| Central Asia | 9872.92 | 11008.40 | 12428.53 | 10537.97 | 9980.69 | 8207.92 | 7301.24 | 6702.53 | 5798.52 | 5292.96 | 5127.96 | 11119.62 |
| North West Pacific and East Asia | 1329.38 | 1658.83 | 2252.35 | 2937.92 | 3031.29 | 3117.16 | 3193.01 | 3333.40 | 3484.23 | 3600.86 | 3542.56 | 3311.09 |
| South Asia | 326.00 | 451.55 | 538.53 | 832.10 | 861.55 | 902.33 | 901.92 | 984.25 | 994.35 | 1055.96 | 1065.68 | 1078.33 |
| South East Asia | 211.86 | 499.22 | 719.17 | 987.43 | 1036.55 | 1134.07 | 1247.90 | 1291.65 | 1474.50 | 1610.13 | 1665.66 | 1529.79 |
| South Pacific | 518.82 | 1443.02 | 1650.30 | 1469.47 | 1494.58 | 1493.17 | 1629.15 | 1710.68 | 1569.37 | 1531.87 | 1499.26 | 1478.13 |
| EUROPE | 6271.76 | 8534.46 | 10072.25 | 9356.58 | 9028.06 | 8638.60 | 8255.75 | 7744.39 | 7724.92 | 7856.82 | 7600.85 | 7528.60 |
| Central Europe | 3404.17 | 5348.85 | 7086.14 | 6195.17 | 5650.21 | 5493.94 | 5595.66 | 5315.81 | 5474.02 | 5662.36 | 5539.19 | 5301.36 |
| Eastern Europe | 7552.95 | 10380.30 | 13652.66 | 13307.58 | 12761.99 | 11945.30 | 10830.63 | 9279.73 | 9050.02 | 8817.52 | 8473.90 | 8300.99 |
| Western Europe | 6722.58 | 8832.93 | 9342.93 | 8512.42 | 8427.92 | 8189.79 | 8016.92 | 8019.49 | 8043.25 | 8368.05 | 8103.82 | 8177.69 |
| LATIN AMERICA AND CARIBBEAN | 1353.77 | 1787.85 | 2423.18 | 2259.01 | 2326.20 | 2426.22 | 2438.59 | 2580.67 | 2469.02 | 2503.40 | 2591.85 | 2665.76 |
| Caribbean | 1368.51 | 2495.18 | 3556.66 | 2905.19 | 3007.01 | 3137.76 | 3167.37 | 3404.55 | 3148.59 | 3214.56 | 3221.37 | 3498.79 |
| Meso-America | 1357.52 | 1690.76 | 2999.85 | 2915.63 | 3009.09 | 3178.75 | 2960.03 | 3078.94 | 2815.88 | 2846.53 | 3020.64 | 3142.60 |
| South America | 1350.48 | 1730.34 | 2072.23 | 1936.67 | 1989.55 | 2059.09 | 2156.98 | 2296.84 | 2259.33 | 2291.48 | 2355.77 | 2388.20 |
| NORTH AMERICA | 15259.00 | 19659.93 | 19809.86 | 18622.63 | 18508.24 | 18414.90 | 19041.34 | 19327.59 | 19112.85 | 19434.02 | 19722.89 | 19442.84 |
| North America | 15259.00 | 19659.93 | 19809.86 | 18622.63 | 18508.24 | 18414.90 | 19041.34 | 19327.59 | 19112.85 | 19434.02 | 19722.89 | 19442.84 |
| POLAR | 6839.96 | 8289.86 | 11146.67 | 9886.90 | 9755.95 | 8577.38 | 8904.76 | 8970.24 | 8970.24 | 9232.14 | 9297.62 | 9428.57 |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | 6839.96 | 8289.86 | 11146.67 | 9886.90 | 9755.95 | 8577.38 | 8904.76 | 8970.24 | 8970.24 | 9232.14 | 9297.62 | 9428.57 |
| WEST ASIA | 1217.88 | 3571.28 | 5982.25 | 5979.75 | 12623.10 | 6672.57 | 7021.05 | 7113.99 | 7178.91 | 7335.98 | 7230.86 | 7374.11 |
| Arabian Peninsula | 1504.32 | 6266.26 | 10120.08 | 9524.00 | 23647.85 | 10615.61 | 11190.05 | 11249.21 | 11266.14 | 11672.66 | 11405.70 | 11579.86 |
| Mashriq | 1021.77 | 1744.87 | 2746.37 | 2801.73 | 2731.80 | 3148.71 | 3315.84 | 3452.13 | 3557.82 | 3474.43 | 3481.70 | 3557.51 |
| GLOBAL TOTALS | 3080.42 | 3844.47 | 4185.35 | 4016.61 | 4064.49 | 3941.35 | 3919.54 | 3908.45 | 3920.62 | 3993.98 | 3951.73 | 3913.85 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 3116.67 | 4033.33 | 4363.33 | 4216.67 | 4216.67 | 4106.67 | 4033.33 | 4070.00 | 4106.67 | 4143.33 | 4143.33 | 4143.33 |

Comments:

Emissions of CO₂ - total per capita (CDIAC) are the sum of CO₂ produced during the consumption of solid, liquid, and gaseous fuels, and from gas flaring, and cement manufacturing weighted with the population. The data is primarily derived from U.N. data. Thereafter supplemented with data from the U.S. Department of Energy's Energy Information Administration (R. M. Rotty) and with a few national estimates provided by G. Marland. For information about the data collection methodology used by R. M. Rotty (1974) and G. Marland see <http://cdiac.esd.ornl.gov>.

The sum of emissions estimates for all countries is not equal to the estimate of global total emissions because:

1. The global total includes emissions from bunker fuels (that is to say fuels used by ships and aircraft during international trade) whereas these are not included in any national totals.
2. The global total includes estimates for the oxidation of non-fuel hydrocarbon products (for example asphalt) whereas national totals do not.
3. National totals include annual changes in fuel stocks whereas the global total does not.
4. Due to statistical differences in the international statistics, the sum of exports from all exporters is not identical to the sum of imports by all importers.

Emissions of CO₂ - from Gas Flaring (CDIAC)

Units: thousand metric tonnes of CO₂

Data Source: Energy Statistics Published by the United Nations and the U.S. Bureau of Mines and Energy Information Administration

Data Provider: Carbon Dioxide Information Analysis Centre (CDIAC)

Years: 1971-1998

| | 1971 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| AFRICA | 56018.60 | 76304.07 | 64380.80 | 65157.40 | 67229.07 | 68045.63 | 70663.27 | 73128.00 | 72668.57 | 62582.30 | 59263.23 |
| Central Africa | 536.07 | 3234.73 | 3556.30 | 168.67 | 167.20 | 167.20 | 166.83 | 166.83 | 166.83 | 166.83 | 167.20 |
| Eastern Africa | 0.00 | 0.00 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 |
| Northern Africa | 29460.93 | 27615.13 | 15924.33 | 15828.63 | 18040.37 | 16535.20 | 16886.47 | 19277.50 | 18148.17 | 17151.57 | 17122.97 |
| Southern Africa | 1389.67 | 2417.07 | 1760.00 | 1689.97 | 1713.80 | 1735.07 | 1807.67 | 1735.07 | 1762.20 | 1758.17 | 1739.47 |
| Western Africa | 24631.93 | 43037.13 | 43138.33 | 47468.30 | 47305.87 | 49606.33 | 51800.47 | 51946.77 | 52589.53 | 43503.90 | 40231.77 |
| Western Indian Ocean | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ASIA AND PACIFIC | 56982.20 | 50221.60 | 43726.10 | 47210.17 | 47531.00 | 45592.43 | 43891.83 | 42641.13 | 42875.07 | 41938.23 | 41679.00 |
| Australia and New Zealand | 24.57 | 382.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Central Asia | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| North West Pacific and East Asia | 830.87 | 3092.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| South Asia | 44199.83 | 21133.93 | 31818.23 | 31070.23 | 30654.43 | 26710.93 | 26404.40 | 25503.50 | 25672.17 | 24363.53 | 22530.57 |
| South East Asia | 11926.93 | 25612.03 | 11907.87 | 16139.93 | 16876.57 | 18881.50 | 17487.43 | 17137.63 | 17202.90 | 17574.70 | 19148.43 |
| South Pacific | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EUROPE | 15265.33 | 24934.23 | 14011.02 | 13463.86 | 22777.76 | 18309.13 | 17861.43 | 17080.07 | 17792.87 | 17787.73 | 17998.93 |
| Central Europe | 282.70 | 401.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Eastern Europe | 5935.50 | 5786.90 | 6769.90 | 6297.60 | 15621.83 | 10803.83 | 8993.23 | 9915.77 | 9866.27 | 9866.27 | 9866.27 |
| Western Europe | 9047.13 | 18745.83 | 7241.12 | 7166.26 | 7155.93 | 7505.30 | 8868.20 | 7164.30 | 7926.60 | 7921.47 | 8132.67 |
| LATIN AMERICA AND CARIBBEAN | 53967.10 | 31594.93 | 24131.80 | 22588.87 | 23737.63 | 29379.53 | 31401.33 | 31331.30 | 24678.13 | 24525.23 | 24138.03 |
| Caribbean | 1784.57 | 3881.17 | 2490.77 | 2718.10 | 2933.70 | 2560.07 | 2169.57 | 1951.77 | 2756.60 | 1959.47 | 2129.23 |
| Meso-America | 10125.50 | 9893.40 | 2560.80 | 2426.23 | 2522.30 | 3269.20 | 3453.27 | 3546.77 | 3551.90 | 3561.80 | 3564.37 |
| South America | 42057.03 | 17820.37 | 19080.23 | 17444.53 | 18281.63 | 23550.27 | 25778.50 | 25832.77 | 18369.63 | 19003.97 | 18444.43 |
| NORTH AMERICA | 19820.53 | 9831.07 | 12436.97 | 14023.53 | 13622.03 | 16883.90 | 16953.93 | 20024.03 | 19093.07 | 17734.57 | 16610.73 |
| North America | 19820.53 | 9831.07 | 12436.97 | 14023.53 | 13622.03 | 16883.90 | 16953.93 | 20024.03 | 19093.07 | 17734.57 | 16610.73 |
| POLAR | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WEST ASIA | 103120.60 | 117135.33 | 31301.60 | 62075.57 | 32293.80 | 28416.30 | 27302.37 | 31429.20 | 30940.43 | 12583.27 | 13885.67 |
| Arabian Peninsula | 89101.47 | 97950.23 | 19244.50 | 56988.80 | 26294.77 | 21430.20 | 22223.67 | 26794.53 | 26404.40 | 7674.33 | 8892.40 |
| Mashriq | 14019.13 | 19185.10 | 12057.10 | 5086.77 | 5999.03 | 6986.10 | 5078.70 | 4634.67 | 4536.03 | 4908.93 | 4993.27 |
| GLOBAL TOTALS | 305174.37 | 310021.23 | 189988.28 | 224519.39 | 207191.29 | 206626.93 | 208074.17 | 215633.73 | 208048.13 | 177151.33 | 173575.60 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 322666.67 | 326333.33 | 205333.33 | 238333.33 | 201666.67 | 205333.33 | 209000.00 | 216333.33 | 209000.00 | 176000.00 | 172333.33 |

Comments:

Emissions of CO₂ - from gas flaring (CDIAC): annual estimations of CO₂ emissions from gas flaring, primarily derived from U.N. data. Thereafter supplemented with data from the U.S. Department of Energy's Energy Information Administration, R. M. Rotty (1974), and with a few national estimates provided by G. Marland. For information about the data collection methodology used by R. M. Rotty (1974) and G. Marland see <http://cdiac.esd.ornl.gov>.

The sum of emissions estimates for all countries is not equal to the estimate of global total emissions because:

1. The global total includes emissions from bunker fuels (that is to say fuels used by ships and aircraft during international trade) whereas these are not included in any national totals.
2. The global total includes estimates for the oxidation of non-fuel hydrocarbon products (for example asphalt) whereas national totals do not.
3. National totals include annual changes in fuel stocks whereas the global total does not.
4. Due to statistical differences in the international statistics, the sum of exports from all exporters is not identical to the sum of imports by all importers.

Emissions of CO₂ - from Gas Fuel Consumption (CDIAC)

Units: thousand metric tonnes of CO₂

Data Source: Energy Statistics Published by the United Nations and the U.S. Bureau of Mines and Energy Information Administration

Data Provider: Carbon Dioxide Information Analysis Centre (CDIAC)

Years: 1960-1998

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 |
|---|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| AFRICA | 47.67 | 817.67 | 34657.33 | 76457.33 | 101783.00 | 109446.33 | 112379.67 | 110583.00 |
| Central Africa | 14.67 | 117.33 | 33.00 | 194.33 | 1591.33 | 1485.00 | 1415.33 | 1265.00 |
| Eastern Africa | 0.00 | 0.00 | 3.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Northern Africa | 33.00 | 403.33 | 31929.33 | 64100.67 | 86456.33 | 92887.67 | 95502.00 | 94240.67 |
| Southern Africa | 0.00 | 84.33 | 146.67 | 4458.67 | 4583.33 | 4583.33 | 4224.00 | 3743.67 |
| Western Africa | 0.00 | 212.67 | 2544.67 | 7703.67 | 9152.00 | 10490.33 | 11238.33 | 11333.67 |
| Western Indian Ocean | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ASIA AND PACIFIC | 21206.44 | 82017.96 | 209405.42 | 486304.99 | 628441.00 | 694235.67 | 720712.67 | 716653.67 |
| Australia and New Zealand | 0.00 | 2962.67 | 19506.67 | 42720.33 | 47043.33 | 48436.67 | 49342.33 | 49995.00 |
| Central Asia | 9572.10 | 34868.29 | 69929.08 | 125057.66 | 127130.67 | 120611.33 | 117890.67 | 125143.33 |
| North West Pacific and East Asia | 3644.67 | 14912.33 | 78756.33 | 138574.33 | 184745.00 | 204376.33 | 219310.67 | 224785.00 |
| South Asia | 2973.67 | 26429.33 | 29729.33 | 93639.33 | 151723.00 | 172348.00 | 177639.00 | 195473.67 |
| South East Asia | 5016.00 | 2845.33 | 11484.00 | 86166.67 | 117641.33 | 148302.00 | 156368.67 | 121095.33 |
| South Pacific | 0.00 | 0.00 | 0.00 | 146.67 | 157.67 | 161.33 | 161.33 | 161.33 |
| EUROPE | 128173.56 | 507167.71 | 1153571.58 | 1713335.67 | 1708685.00 | 1825875.33 | 1781131.00 | 1794320.00 |
| Central Europe | 26128.81 | 75659.21 | 147954.18 | 156110.99 | 145335.67 | 161934.67 | 155008.33 | 152584.67 |
| Eastern Europe | 79135.42 | 288266.50 | 578124.41 | 1033888.68 | 910323.33 | 927289.00 | 909447.00 | 891491.33 |
| Western Europe | 22909.33 | 143242.00 | 427493.00 | 523336.00 | 653026.00 | 736651.67 | 716675.67 | 750244.00 |
| LATIN AMERICA AND CARIBBEAN | 20757.00 | 59242.33 | 116053.67 | 169480.67 | 208820.33 | 221679.33 | 240137.33 | 253590.33 |
| Caribbean | 1470.33 | 3589.67 | 7267.33 | 10054.00 | 13046.00 | 14740.00 | 15686.00 | 16397.33 |
| Meso-America | 6383.67 | 20625.00 | 45617.00 | 48044.33 | 32281.33 | 47732.67 | 53636.00 | 62788.00 |
| South America | 12903.00 | 35027.67 | 63169.33 | 111382.33 | 163493.00 | 159206.67 | 170815.33 | 174405.00 |
| NORTH AMERICA | 683100.00 | 1206927.33 | 1098687.33 | 1077798.33 | 1344992.00 | 1353960.67 | 1368950.00 | 1299162.33 |
| North America | 683100.00 | 1206927.33 | 1098687.33 | 1077798.33 | 1344992.00 | 1353960.67 | 1368950.00 | 1299162.33 |
| POLAR | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WEST ASIA | 2966.33 | 8462.67 | 42933.00 | 140411.33 | 196779.00 | 209458.33 | 231792.00 | 246972.00 |
| Arabian Peninsula | 1807.67 | 6955.67 | 40377.33 | 135798.67 | 185760.67 | 197728.67 | 218529.67 | 230945.00 |
| Mashriq | 1158.67 | 1507.00 | 2555.67 | 4612.67 | 11018.33 | 11729.67 | 13262.33 | 16027.00 |
| GLOBAL TOTALS | 856251.00 | 1864635.67 | 2655308.33 | 3663788.33 | 4189500.33 | 4414655.67 | 4455102.67 | 4421281.33 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 861666.67 | 1892000.00 | 2662000.00 | 3696000.00 | 4205666.67 | 4425666.67 | 4436666.67 | 4473333.33 |

Comments:

Emissions of CO₂ - from gas fuel consumption (CDIAC): annual estimations of CO₂ emissions from gas fuel consumption, primarily derived from U.N. data. Thereafter supplemented with data from the U.S. Department of Energy's Energy Information Administration, R. M. Rotty (1974), and with a few national estimates provided by G. Marland. For information about the data collection methodology used by R. M. Rotty (1974) and G. Marland see <http://cdiac.esd.ornl.gov>.

The sum of emissions estimates for all countries is not equal to the estimate of global total emissions because:

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2. The global total includes estimates for the oxidation of non-fuel hydrocarbon products (for example asphalt) whereas national totals do not.
3. National totals include annual changes in fuel stocks whereas the global total does not.
4. Due to statistical differences in the international statistics, the sum of exports from all exporters is not identical to the sum of imports by all importers.

Emissions of CO₂ - from Liquid Fuel Consumption (CDIAC)

Units: thousand metric tonnes of CO₂

Data Source: Energy Statistics Published by the United Nations and the U.S. Bureau of Mines and Energy Information Administration

Data Provider: Carbon Dioxide Information Analysis Centre (CDIAC)

Years: 1960-1998

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 |
|---|------------|------------|------------|------------|------------|------------|------------|-------------|
| AFRICA | 47270.67 | 94614.67 | 192815.33 | 264828.67 | 310185.33 | 295482.00 | 294231.67 | 309646.33 |
| Central Africa | 1994.67 | 4158.00 | 9669.00 | 9665.33 | 7062.00 | 6647.67 | 5954.67 | 6849.33 |
| Eastern Africa | 2962.67 | 5390.00 | 9243.67 | 9298.67 | 9984.33 | 9680.00 | 9408.67 | 12202.67 |
| Northern Africa | 24867.33 | 38613.67 | 94277.33 | 127482.67 | 145669.33 | 146010.33 | 159694.33 | 161142.67 |
| Southern Africa | 10681.00 | 29230.67 | 40040.00 | 53903.67 | 89232.00 | 74910.00 | 67580.33 | 71390.00 |
| Western Africa | 6156.33 | 15583.33 | 36637.33 | 61240.67 | 53735.00 | 53423.33 | 46702.33 | 53020.00 |
| Western Indian Ocean | 608.67 | 1639.00 | 2948.00 | 3237.67 | 4502.67 | 4810.67 | 4891.33 | 5041.67 |
| ASIA AND PACIFIC | 272235.39 | 1001040.47 | 1641610.46 | 2033103.94 | 2399925.00 | 2535481.67 | 2618157.67 | 2545785.00 |
| Australia and New Zealand | 32464.67 | 71811.67 | 90387.00 | 93001.33 | 101603.33 | 107715.67 | 103007.67 | 102949.00 |
| Central Asia | 46478.72 | 95010.81 | 155110.79 | 154611.94 | 65600.33 | 58868.33 | 68812.33 | 57746.33 |
| North West Pacific and East Asia | 111701.33 | 616619.67 | 1011571.00 | 1180956.33 | 1380727.33 | 1450790.00 | 1490720.00 | 1427081.33 |
| South Asia | 49753.00 | 92796.00 | 183040.00 | 327055.67 | 429018.33 | 460515.00 | 461945.00 | 481664.33 |
| South East Asia | 31023.67 | 120358.33 | 194036.33 | 269518.33 | 412954.67 | 447571.67 | 483629.67 | 466389.00 |
| South Pacific | 814.00 | 4444.00 | 7465.33 | 7960.33 | 10021.00 | 10021.00 | 10043.00 | 9955.00 |
| EUROPE | 903873.61 | 2390153.19 | 3065205.21 | 2749032.39 | 2226983.00 | 2242225.33 | 2200289.67 | 2212672.00 |
| Central Europe | 58861.56 | 188319.42 | 333143.55 | 302729.29 | 269782.33 | 277992.00 | 273089.67 | 265331.00 |
| Eastern Europe | 308204.72 | 630025.44 | 1028554.00 | 1025246.10 | 518191.67 | 467558.67 | 451491.33 | 448602.00 |
| Western Europe | 536807.33 | 1571808.33 | 1703507.67 | 1421057.00 | 1439009.00 | 1496674.67 | 1475708.67 | 1498739.00 |
| LATIN AMERICA AND CARIBBEAN | 198289.67 | 340915.67 | 638685.67 | 682843.33 | 802556.33 | 821260.00 | 856610.33 | 896874.00 |
| Caribbean | 25047.00 | 53401.33 | 88502.33 | 80901.33 | 92084.67 | 92671.33 | 93258.00 | 103909.67 |
| Meso-America | 46783.00 | 73128.00 | 194997.00 | 250602.00 | 281119.67 | 273056.67 | 294323.33 | 307362.00 |
| South America | 126459.67 | 214386.33 | 355186.33 | 351340.00 | 429352.00 | 455532.00 | 469029.00 | 485602.33 |
| NORTH AMERICA | 1398397.00 | 2049446.67 | 2341218.00 | 2237634.67 | 2333815.00 | 2385287.67 | 2489017.67 | 2468290.00 |
| North America | 1398397.00 | 2049446.67 | 2341218.00 | 2237634.67 | 2333815.00 | 2385287.67 | 2489017.67 | 2468290.00 |
| POLAR | 102.67 | 304.33 | 553.67 | 564.67 | 520.67 | 535.33 | 531.67 | 535.33 |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | 102.67 | 304.33 | 553.67 | 553.67 | 502.33 | 517.00 | 520.67 | 528.00 |
| WEST ASIA | 25593.33 | 32703.00 | 127919.00 | 243184.33 | 358215.00 | 379302.00 | 386650.00 | 404070.33 |
| Arabian Peninsula | 13024.00 | 12045.00 | 80388.00 | 163489.33 | 229944.00 | 251265.67 | 255376.00 | 267795.00 |
| Mashriq | 12569.33 | 20658.00 | 47531.00 | 79695.00 | 128271.00 | 128036.33 | 131274.00 | 136275.33 |
| GLOBAL TOTALS | 2845762.33 | 5909178.00 | 800807.33 | 8211192.00 | 8432200.33 | 8659574.00 | 8845488.67 | 8837873.00 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 3116666.67 | 6739333.33 | 8825666.67 | 9159333.33 | 9507666.67 | 9691000.00 | 9984333.33 | 10167666.67 |

Comments:

Emissions of CO₂ - from liquid fuel consumption (CDIAC): annual estimations of CO₂ emissions from gas liquid fuel consumption, primarily derived from U.N. data. Thereafter supplemented with data from the U.S. Department of Energy's Energy Information Administration, R. M. Rotty (1974), and with a few national estimates provided by G. Marland. For information about the data collection methodology used by R. M. Rotty (1974) and G. Marland see <http://cdiac.esd.ornl.gov>.

The sum of emissions estimates for all countries is not equal to the estimate of global total emissions because:

1. The global total includes emissions from bunker fuels (that is to say fuels used by ships and aircraft during international trade) whereas these are not included in any national totals.
2. The global total includes estimates for the oxidation of non-fuel hydrocarbon products (for example asphalt) whereas national totals do not.
3. National totals include annual changes in fuel stocks whereas the global total does not.
4. Due to statistical differences in the international statistics, the sum of exports from all exporters is not identical to the sum of imports by all importer

Emissions of CO₂ - from Solid Fuel Consumption (CDIAC)

Units: thousand metric tonnes of CO₂

Data Source: Energy Statistics Published by the United Nations and the U.S. Bureau of Mines and Energy Information Administration

Data Provider: Carbon Dioxide Information Analysis Centre (CDIAC)

Years: 1960-1998

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 |
|---|------------|------------|------------|------------|------------|------------|------------|------------|
| AFRICA | 94380.00 | 139645.00 | 197057.67 | 269859.33 | 289226.67 | 288673.00 | 303112.33 | 306812.00 |
| Central Africa | 1045.00 | 792.00 | 843.33 | 770.00 | 854.33 | 858.00 | 865.33 | 869.00 |
| Eastern Africa | 139.33 | 220.00 | 55.00 | 418.00 | 271.33 | 264.00 | 322.67 | 194.33 |
| Northern Africa | 2783.00 | 3776.67 | 5368.00 | 11352.00 | 11018.33 | 12932.33 | 12793.00 | 13746.33 |
| Southern Africa | 88715.00 | 134511.67 | 190186.33 | 256472.33 | 275993.67 | 273526.00 | 288031.33 | 291118.67 |
| Western Africa | 1642.67 | 289.67 | 546.33 | 608.67 | 869.00 | 869.00 | 872.67 | 656.33 |
| Western Indian Ocean | 55.00 | 55.00 | 58.67 | 238.33 | 220.00 | 223.67 | 227.33 | 227.33 |
| ASIA AND PACIFIC | 1270220.81 | 1428327.47 | 2177366.17 | 3510861.14 | 4314284.33 | 4491740.00 | 4418883.33 | 4233416.00 |
| Australia and New Zealand | 65571.00 | 79328.33 | 107195.00 | 150168.33 | 170841.00 | 184767.00 | 192056.33 | 205109.67 |
| Central Asia | 160104.48 | 194659.14 | 234729.50 | 203564.47 | 112973.67 | 102633.67 | 89408.00 | 86247.33 |
| North West Pacific and East Asia | 930625.67 | 1000820.33 | 1558326.00 | 2621428.33 | 3269929.67 | 3389749.00 | 3300333.67 | 3098073.00 |
| South Asia | 104522.00 | 143465.67 | 259842.00 | 491296.67 | 644332.33 | 692857.00 | 724375.67 | 729171.67 |
| South East Asia | 8697.33 | 8994.33 | 16899.67 | 43901.00 | 115716.33 | 121223.67 | 112200.00 | 114323.00 |
| South Pacific | 700.33 | 1059.67 | 374.00 | 502.33 | 491.33 | 509.67 | 509.67 | 491.33 |
| EUROPE | 2821361.19 | 2901543.86 | 3147627.50 | 2913542.20 | 2168070.67 | 2161217.67 | 2046894.67 | 1970569.33 |
| Central Europe | 440788.55 | 626262.38 | 784671.00 | 707926.37 | 594938.67 | 609854.67 | 602360.00 | 570636.00 |
| Eastern Europe | 790808.64 | 961485.48 | 1159406.17 | 1005471.83 | 628884.67 | 611398.33 | 562873.67 | 540173.33 |
| Western Europe | 1589764.00 | 1313796.00 | 1203550.33 | 1200144.00 | 944247.33 | 939964.67 | 881661.00 | 859760.00 |
| LATIN AMERICA AND CARIBBEAN | 24376.00 | 31925.67 | 50743.00 | 75870.67 | 91912.33 | 98739.67 | 103814.33 | 104005.00 |
| Caribbean | 179.67 | 319.00 | 256.67 | 1356.67 | 1712.33 | 1661.00 | 1789.33 | 1587.67 |
| Meso-America | 3494.33 | 6772.33 | 9518.67 | 9232.67 | 15829.00 | 18241.67 | 18868.67 | 19264.67 |
| South America | 20702.00 | 24834.33 | 40967.67 | 65281.33 | 74371.00 | 78837.00 | 83156.33 | 83152.67 |
| NORTH AMERICA | 968333.67 | 1227805.33 | 1562414.33 | 1880123.67 | 1925876.33 | 2012849.67 | 2032418.67 | 2087290.33 |
| North America | 968333.67 | 1227805.33 | 1562414.33 | 1880123.67 | 1925876.33 | 2012849.67 | 2032418.67 | 2087290.33 |
| POLAR | 121.00 | 77.00 | 3.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | 121.00 | 77.00 | 3.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WEST ASIA | 29.33 | 18.33 | 29.33 | 3.67 | 517.00 | 608.67 | 619.67 | 326.33 |
| Arabian Peninsula | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mashriq | 29.33 | 18.33 | 29.33 | 3.67 | 517.00 | 608.67 | 619.67 | 326.33 |
| GLOBAL TOTALS | 5178822.00 | 5729342.67 | 7135241.67 | 8650260.67 | 8789887.33 | 9053828.67 | 8905743.00 | 8702419.00 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 5170000.00 | 5705333.33 | 7168333.33 | 8715666.67 | 8734000.00 | 8877000.00 | 8935666.67 | 8660666.67 |

Comments:

Emissions of CO₂ - from solid fuel consumption (CDIAC): annual estimations of CO₂ emissions from solid fuel consumption, primarily derived from U.N. data. Thereafter supplemented with data from the U.S. Department of Energy's Energy Information Administration, R. M. Rotty (1974), and with a few national estimates provided by G. Marland. For information about the data collection methodology used by R. M. Rotty (1974) and G. Marland see <http://cdiac.esd.ornl.gov>.

The sum of emissions estimates for all countries is not equal to the estimate of global total emissions because:

1. The global total includes emissions from bunker fuels (that is to say fuels used by ships and aircraft during international trade) whereas these are not included in any national totals.
2. The global total includes estimates for the oxidation of non-fuel hydrocarbon products (for example asphalt) whereas national totals do not.
3. National totals include annual changes in fuel stocks whereas the global total does not.
4. Due to statistical differences in the international statistics, the sum of exports from all exporters is not identical to the sum of imports by all importers.

Emissions of CO₂ - from Public Electricity and Heat Production (IEA)

Units: thousand metric tonnes of CO₂

Data Source: Energy Balances of OECD Countries (1960-1999) and Non-OECD Countries (1971-1999)

Data Provider: International Energy Agency (IEA)

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-----------|------------|------------|------------|------------|------------|------------|------------|------------|
| AFRICA | --- | --- | 120770.00 | 200920.00 | 233830.00 | 242490.00 | 254890.00 | 270290.00 | 267790.00 |
| Central Africa | --- | --- | 380.00 | 250.00 | 270.00 | 290.00 | 300.00 | 340.00 | 310.00 |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | 23940.00 | 50410.00 | 61300.00 | 61270.00 | 64690.00 | 70840.00 | 76990.00 |
| Southern Africa | --- | --- | 89000.00 | 139080.00 | 160730.00 | 168640.00 | 177090.00 | 183820.00 | 173580.00 |
| Western Africa | --- | --- | --- | 7000.00 | 6890.00 | 7460.00 | 8430.00 | 10040.00 | 11440.00 |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | 978227.39 | 1673017.57 | 2272020.00 | 2422960.00 | 2610980.00 | 2652080.00 | 2724330.00 |
| Australia and New Zealand | 29280.00 | 53240.00 | 84860.00 | 124230.00 | 132400.00 | 144640.00 | 149590.00 | 160900.00 | 170970.00 |
| Central Asia | --- | --- | 149797.39 | 177657.57 | 121790.00 | 113090.00 | 101270.00 | 103790.00 | 101260.00 |
| North West Pacific and East Asia | --- | --- | 576040.00 | 1014810.00 | 1482690.00 | 1581400.00 | 1723300.00 | 1730140.00 | 1768910.00 |
| South Asia | --- | --- | 123360.00 | 259770.00 | 384750.00 | 416880.00 | 447510.00 | 471200.00 | 497970.00 |
| South East Asia | --- | --- | 44170.00 | 96550.00 | 150390.00 | 166950.00 | 189310.00 | 186050.00 | 185220.00 |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | --- | --- | 2194422.61 | 2435522.43 | 2021310.00 | 2064400.00 | 1977900.00 | 1939820.00 | 1922990.00 |
| Central Europe | --- | --- | 386504.04 | 469769.77 | 427950.00 | 449510.00 | 442390.00 | 437350.00 | 420330.00 |
| Eastern Europe | --- | --- | 896918.57 | 1063732.66 | 715020.00 | 717180.00 | 667790.00 | 633580.00 | 647190.00 |
| Western Europe | 411300.00 | 781130.00 | 911000.00 | 902020.00 | 878340.00 | 897710.00 | 867720.00 | 868890.00 | 855470.00 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | 106720.00 | 136570.00 | 161880.00 | 173130.00 | 193030.00 | 211910.00 | 216940.00 |
| Caribbean | --- | --- | 14530.00 | 20300.00 | 20640.00 | 21330.00 | 23350.00 | 24290.00 | 24290.00 |
| Meso-America | --- | --- | 40670.00 | 66210.00 | 82830.00 | 86650.00 | 96680.00 | 107710.00 | 106450.00 |
| South America | --- | --- | 51520.00 | 50060.00 | 58410.00 | 65150.00 | 73000.00 | 79910.00 | 86200.00 |
| NORTH AMERICA | 581450.00 | 1107080.00 | 1606130.00 | 1849860.00 | 1936220.00 | 2012670.00 | 2092830.00 | 2196820.00 | 2124220.00 |
| North America | 581450.00 | 1107080.00 | 1606130.00 | 1849860.00 | 1936220.00 | 2012670.00 | 2092830.00 | 2196820.00 | 2124220.00 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | 43330.00 | 87370.00 | 138500.00 | 150040.00 | 151000.00 | 162080.00 | 166920.00 |
| Arabian Peninsula | --- | --- | 29240.00 | 65550.00 | 105000.00 | 114740.00 | 115000.00 | 123490.00 | 128030.00 |
| Mashriq | --- | --- | 14090.00 | 21820.00 | 33500.00 | 35300.00 | 36000.00 | 38590.00 | 38890.00 |
| GLOBAL TOTALS | --- | --- | 5049600.00 | 6383260.00 | 6763760.00 | 7065690.00 | 7280630.00 | 7433000.00 | 7423190.00 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | --- | --- | 5050770.00 | 6384450.00 | 6764980.00 | 7066910.00 | 7281920.00 | 7434240.00 | 7424440.00 |

Comments:

Emissions of CO₂ from public electricity and heat production contain the sum of emissions from public electricity generation, public combined heat and power generation, and public heat plants. Public utilities are defined as those undertakings whose primary activity is to supply electricity and heat to the public. They may be publicly or privately owned. Emissions from own on-site use of fuel should be included. This corresponds to IPCC source/sink category 1.A.1(a).

Data source: the estimates of CO₂ emissions from fuel combustion are calculated using the IEA energy data and the default methods and emission factors from the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories, IPCC/OECD/IEA Paris, 1997 (Guidelines). There are many reasons why the IEA estimates may not be the same as the numbers that a country submits to the UNFCCC, even if a country has accounted for all of its energy use and correctly applied the IPCC guidelines.

1 thousand metric tonne of CO₂ (1 gigagram of CO₂), is equal to 272.72 tonnes of C.

Emissions of CO₂ - from Manufacturing Industries and Construction (IEA)

Units: thousand metric tonnes of CO₂

Data Source: Energy Balances of OECD Countries (1960-1999) and Non-OECD Countries (1971-1999)

Data Provider: International Energy Agency (IEA)

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|
| AFRICA | --- | --- | 123940.00 | 131960.00 | 122220.00 | 126440.00 | 133430.00 | 143000.00 | 133870.00 |
| Central Africa | --- | --- | 1730.00 | 1370.00 | 1420.00 | 1300.00 | 1310.00 | 1330.00 | 1270.00 |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | 32560.00 | 43490.00 | 43980.00 | 44410.00 | 47500.00 | 52820.00 | 51250.00 |
| Southern Africa | --- | --- | 80280.00 | 76630.00 | 63250.00 | 66470.00 | 68940.00 | 73610.00 | 66030.00 |
| Western Africa | --- | --- | --- | 6750.00 | 10330.00 | 10790.00 | 11880.00 | 11510.00 | 11520.00 |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | 1425613.93 | 2011768.94 | 2350080.00 | 2432030.00 | 2248730.00 | 2229310.00 | 2075560.00 |
| Australia and New Zealand | 34310.00 | 49810.00 | 52290.00 | 51600.00 | 56090.00 | 57020.00 | 57910.00 | 58370.00 | 58320.00 |
| Central Asia | --- | --- | 133143.93 | 127858.94 | 67250.00 | 58220.00 | 53300.00 | 56800.00 | 56800.00 |
| North West Pacific and East Asia | --- | --- | 1058350.00 | 1491890.00 | 1756490.00 | 1811580.00 | 1659060.00 | 1665990.00 | 1528140.00 |
| South Asia | --- | --- | 127220.00 | 260740.00 | 354030.00 | 371250.00 | 351350.00 | 329870.00 | 301280.00 |
| South East Asia | --- | --- | 53660.00 | 78600.00 | 115610.00 | 133350.00 | 126140.00 | 117330.00 | 130070.00 |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | --- | --- | 1904816.07 | 1646241.06 | 1170210.00 | 1135430.00 | 1121640.00 | 1091080.00 | 1066650.00 |
| Central Europe | --- | --- | 351695.42 | 282668.04 | 222630.00 | 230390.00 | 229310.00 | 212060.00 | 186690.00 |
| Eastern Europe | --- | --- | 761770.64 | 731533.02 | 372640.00 | 328840.00 | 306310.00 | 298940.00 | 312500.00 |
| Western Europe | 590450.00 | 919500.00 | 791350.00 | 632040.00 | 574940.00 | 576200.00 | 586020.00 | 580080.00 | 567460.00 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | 215210.00 | 225500.00 | 259710.00 | 270670.00 | 285090.00 | 285130.00 | 275080.00 |
| Caribbean | --- | --- | 17500.00 | 17260.00 | 17850.00 | 19200.00 | 20270.00 | 21410.00 | 23420.00 |
| Meso-America | --- | --- | 62960.00 | 77950.00 | 78360.00 | 74980.00 | 74550.00 | 71150.00 | 68440.00 |
| South America | --- | --- | 134750.00 | 130290.00 | 163500.00 | 176490.00 | 190270.00 | 192570.00 | 183220.00 |
| NORTH AMERICA | 648110.00 | 835730.00 | 898750.00 | 702600.00 | 673510.00 | 687560.00 | 693250.00 | 652940.00 | 645570.00 |
| North America | 648110.00 | 835730.00 | 898750.00 | 702600.00 | 673510.00 | 687560.00 | 693250.00 | 652940.00 | 645570.00 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | 73320.00 | 84250.00 | 112220.00 | 122810.00 | 123780.00 | 135650.00 | 139850.00 |
| Arabian Peninsula | --- | --- | 60910.00 | 65940.00 | 86140.00 | 96860.00 | 94950.00 | 104470.00 | 108080.00 |
| Mashriq | --- | --- | 12410.00 | 18310.00 | 26080.00 | 25950.00 | 28830.00 | 31180.00 | 31770.00 |
| GLOBAL TOTALS | --- | --- | 4641650.00 | 4802320.00 | 4687950.00 | 4774940.00 | 4605920.00 | 4537110.00 | 4336580.00 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | --- | --- | 4641610.00 | 4802360.00 | 4687960.00 | 4774930.00 | 4605960.00 | 4537140.00 | 4336570.00 |

Comments:

Emissions of CO₂ from manufacturing industries and construction contain the emissions from combustion of fuels (coal, oil and gas) in industry. The IPCC Source/Sink Category 1.A.2 includes these emissions. However, in the guidelines, the IPCC category also includes emissions from industry autoproducers that generate electricity and/or heat. The IEA data are not collected in a way that allows the energy consumption to be split by specific end-use and therefore, autoproducers are shown as a separate item (unallocated autoproducers). Manufacturing industries and construction also includes emissions from coke inputs into blast furnaces, which may be reported either in the transformation sector, the industry sector or the separate IPCC source/sink category 2, industrial processes.

Data source: the estimates of CO₂ emissions from fuel combustion are calculated using the IEA energy data and the default methods and emission factors from the Revised 1996 IPCC Guidelines for national greenhouse gas inventories, IPCC/OECD/IEA Paris, 1997 (Guidelines). There are many reasons why the IEA estimates may not be the same as the numbers that a country submits to the UNFCCC, even if a country has accounted for all of its energy use and correctly applied the IPCC guidelines.

1 thousand metric tonne of CO₂ (1 gigagram of CO₂), is equal to 272.72 tonnes of C

Emissions of CO₂ - from Transport (IEA)

Units: thousand metric tonnes of CO₂

Data Source: Energy Balances of OECD Countries (1960-1999) and Non-OECD Countries (1971-1999)

Data Provider: International Energy Agency (IEA)

Years: 1960-1999

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---|-----------|------------|------------|------------|------------|------------|------------|------------|------------|
| AFRICA | --- | --- | 83350.00 | 102710.00 | 111650.00 | 116040.00 | 120710.00 | 120870.00 | 123810.00 |
| Central Africa | --- | --- | 3620.00 | 3220.00 | 2940.00 | 3000.00 | 3050.00 | 3230.00 | 2930.00 |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | 25360.00 | 40550.00 | 38860.00 | 39800.00 | 41470.00 | 41740.00 | 45120.00 |
| Southern Africa | --- | --- | 29660.00 | 33740.00 | 40620.00 | 40380.00 | 41400.00 | 41950.00 | 42780.00 |
| Western Africa | --- | --- | --- | 15480.00 | 18810.00 | 22050.00 | 23240.00 | 22490.00 | 21560.00 |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | 485685.58 | 725959.77 | 938090.00 | 994870.00 | 1045630.00 | 1056000.00 | 1108020.00 |
| Australia and New Zealand | 24790.00 | 37070.00 | 55970.00 | 70720.00 | 78310.00 | 80980.00 | 82750.00 | 82920.00 | 84400.00 |
| Central Asia | --- | --- | 27635.58 | 32229.77 | 19640.00 | 21780.00 | 20840.00 | 21740.00 | 21460.00 |
| North West Pacific and East Asia | --- | --- | 267380.00 | 396470.00 | 509850.00 | 531250.00 | 556630.00 | 568520.00 | 595980.00 |
| South Asia | --- | --- | 87790.00 | 132640.00 | 182470.00 | 197610.00 | 205670.00 | 213070.00 | 226270.00 |
| South East Asia | --- | --- | 46910.00 | 93900.00 | 147820.00 | 163250.00 | 179740.00 | 169750.00 | 179910.00 |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | --- | --- | 901174.42 | 1126980.23 | 1107460.00 | 1127530.00 | 1123410.00 | 1176030.00 | 1194820.00 |
| Central Europe | --- | --- | 96235.56 | 109812.32 | 109030.00 | 122970.00 | 125300.00 | 124790.00 | 127110.00 |
| Eastern Europe | --- | --- | 245058.86 | 285797.91 | 208510.00 | 197400.00 | 180170.00 | 208090.00 | 208040.00 |
| Western Europe | 231100.00 | 385690.00 | 559880.00 | 731370.00 | 789920.00 | 807160.00 | 817940.00 | 843150.00 | 859670.00 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | 249080.00 | 286950.00 | 347930.00 | 360360.00 | 373350.00 | 388720.00 | 385770.00 |
| Caribbean | --- | --- | 12780.00 | 12710.00 | 12410.00 | 13270.00 | 14570.00 | 14800.00 | 15420.00 |
| Meso-America | --- | --- | 73410.00 | 93680.00 | 105890.00 | 103510.00 | 105950.00 | 110240.00 | 112370.00 |
| South America | --- | --- | 162890.00 | 180560.00 | 229630.00 | 243580.00 | 252830.00 | 263680.00 | 257980.00 |
| NORTH AMERICA | 715500.00 | 1116660.00 | 1365930.00 | 1548210.00 | 1674210.00 | 1717310.00 | 1747120.00 | 1788530.00 | 1844250.00 |
| North America | 715500.00 | 1116660.00 | 1365930.00 | 1548210.00 | 1674210.00 | 1717310.00 | 1747120.00 | 1788530.00 | 1844250.00 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | 52520.00 | 67880.00 | 85160.00 | 88550.00 | 90610.00 | 91560.00 | 88880.00 |
| Arabian Peninsula | --- | --- | 30790.00 | 36090.00 | 48700.00 | 52180.00 | 53890.00 | 53930.00 | 51750.00 |
| Mashriq | --- | --- | 21730.00 | 31790.00 | 36460.00 | 36370.00 | 36720.00 | 37630.00 | 37130.00 |
| GLOBAL TOTALS (excluding International Marine and Aviation Bunkers) | --- | --- | 3137740.00 | 3858690.00 | 4264500.00 | 4404660.00 | 4500830.00 | 4621710.00 | 4745550.00 |
| GLOBAL TOTALS (including International Marine and Aviation Bunkers) | --- | --- | 3681020.00 | 4486410.00 | 4595790.00 | 4669060.00 | 4702480.00 | 4796740.00 | 4936360.00 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | --- | --- | 3681020.00 | 4486410.00 | 4936360.00 | 5095070.00 | 5214370.00 | 5345360.00 | 5503720.00 |

Comments:

Emissions of CO₂ from transport contain emissions from the combustion of fuel (coal, oil and gas) for all transport activity, regardless of the sector, except for international marine and aviation bunkers. This corresponds to IPCC Source/Sink Category 1. A.3. In addition, the IEA data are not collected in a way that allows the autoproducer consumption to be split by specific end-use.

Data source: the estimates of CO₂ emissions from fuel combustion are calculated using the IEA energy data and the default methods and emission factors from the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories, IPCC/OECD/IEA Paris, 1997 (Guidelines). There are many reasons why the IEA estimates may not be the same as the numbers that a country submits to the UNFCCC, even if a country has accounted for all of its energy use and correctly applied the IPCC guidelines.

1 thousand metric tonne of CO₂ (1 gigagram of CO₂), is equal to 272.72 tonnes of C.

Emissions of CH₄ - from Agriculture (RIVM)

Units: thousand metric tonnes of CH₄

Data Source: Emission Database for Global Atmospheric Research (EDGAR 3.2)

Data Provider: Netherlands Organisation for Applied Scientific Research (TNO)
and National Institute of Public Health and the Environment (RIVM)

Years: 1970, 1975, ..., 1995

| | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|
| AFRICA | 11821.29 | 12155.78 | 12955.13 | 13210.91 | 14024.91 | 14515.88 |
| Central Africa | 1220.78 | 1211.23 | 1319.01 | 1336.82 | 1432.07 | 1473.97 |
| Eastern Africa | 2680.36 | 2765.35 | 2854.39 | 3114.41 | 3243.14 | 3276.84 |
| Northern Africa | 1870.95 | 2004.68 | 2127.55 | 2192.03 | 2290.54 | 2439.38 |
| Southern Africa | 3174.74 | 3332.35 | 3454.34 | 3391.61 | 3557.86 | 3513.91 |
| Western Africa | 2292.76 | 2256.03 | 2531.07 | 2530.87 | 2856.38 | 3154.41 |
| Western Indian Ocean | 581.71 | 586.14 | 668.77 | 645.18 | 644.93 | 657.37 |
| ASIA AND PACIFIC | 75997.76 | 76598.16 | 73373.47 | 71721.19 | 70438.17 | 72322.72 |
| Australia and New Zealand | 4489.17 | 4857.47 | 4393.80 | 4297.96 | 4410.03 | 4155.99 |
| Central Asia | 1816.95 | 2015.24 | 2078.82 | 2144.63 | 2079.41 | 1959.73 |
| North West Pacific and East Asia | 27916.59 | 28674.17 | 26598.70 | 24209.58 | 24014.19 | 24253.21 |
| South Asia | 29524.38 | 29363.25 | 28665.35 | 28922.59 | 28484.34 | 29160.83 |
| South East Asia | 12189.23 | 11618.80 | 11563.27 | 12067.12 | 11367.93 | 12702.87 |
| South Pacific | 61.44 | 69.22 | 73.53 | 79.31 | 82.27 | 90.10 |
| EUROPE | 19237.31 | 20932.70 | 21518.79 | 21504.90 | 20487.25 | 16464.28 |
| Central Europe | 4232.99 | 4725.41 | 4896.16 | 4679.19 | 4397.37 | 3151.30 |
| Eastern Europe | 6322.51 | 7168.35 | 7524.10 | 7797.70 | 7607.80 | 5624.72 |
| Western Europe | 8681.81 | 9038.95 | 9098.54 | 9028.02 | 8482.08 | 7688.26 |
| LATIN AMERICA AND CARIBBEAN | 15623.18 | 17511.83 | 19270.36 | 19975.25 | 20943.37 | 21822.32 |
| Caribbean | 690.73 | 680.39 | 667.85 | 671.35 | 643.34 | 583.94 |
| Meso-America | 2189.14 | 2360.46 | 2546.50 | 2800.56 | 2773.40 | 2637.87 |
| South America | 12743.31 | 14470.98 | 16056.00 | 16503.33 | 17526.63 | 18600.51 |
| NORTH AMERICA | 9203.85 | 10178.12 | 9232.13 | 8788.39 | 7993.34 | 8489.42 |
| North America | 9203.85 | 10178.12 | 9232.13 | 8788.39 | 7993.34 | 8489.42 |
| POLAR | 1.43 | 1.30 | 1.22 | 1.14 | 1.07 | 1.07 |
| Antarctic | ---- | ---- | ---- | ---- | 0.00 | 0.00 |
| Arctic | 1.43 | 1.30 | 1.22 | 1.14 | 1.07 | 1.07 |
| WEST ASIA | 405.61 | 385.22 | 437.76 | 455.61 | 492.41 | 494.79 |
| Arabian Peninsula | 116.96 | 146.24 | 165.65 | 196.84 | 211.36 | 227.76 |
| Mashriq | 288.65 | 238.99 | 272.11 | 258.78 | 281.05 | 267.03 |
| GLOBAL TOTALS | 132290.43 | 137763.11 | 136788.85 | 135657.39 | 134380.52 | 134110.48 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 134445.94 | 137764.50 | 136790.33 | 135658.63 | 134368.53 | 134098.07 |

Comments:

Emissions of CH₄ (methane) from the agricultural sector include emissions from: rice cultivation (IPCC 4.C); animal breeding; enteric fermentation and animal waste management (IPCC 4.A and 4.B.); savannah burning (IPCC 4.E); agricultural waste burning (IPCC 4.F).

The emissions from deforestation (IPCC 5.A.1) and vegetation fires (IPCC 5.A.2,3) are not included.

Data source: The EDGAR set of inventories were compiled from the perspective of providing good quality reference estimates of anthropogenic emission sources per source category, based on scientifically sound input data. This was done by using (a) international statistics as activity data, since these are comparable between countries in definition and units, (b) emission factors from the scientific literature, also common across countries when judged comparable, and (c) grid maps for allocating sectoral emissions of a country to a grid.

EDGAR 3.2 by RIVM/TNO (Olivier, J.G.J. and Berdowski, J.J.M., 2001, Global Emission Sources and Sinks. In: J. Berdowski, R. Guichérit and B.J. Heij (eds.), The Climate System: 33-77. Lisse: Swets and Zeitlinger Publishers). For more detailed information about the EDGAR 3.2 database and data source see: <http://www.rivm.nl/env/int/coredata/edgar/index.html>.

1 thousand metric tonne corresponds to 1 gigagram.

Emissions of CH₄ - from Energy (RIVM)

Units: thousand metric tonnes of CH₄

Data Source: Emission Database for Global Atmospheric Research (EDGAR 3.2)

Data Provider: Netherlands Organisation for Applied Scientific Research (TNO)
and National Institute of Public Health and the Environment (RIVM)

Years: 1970, 1975, ..., 1995

| | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 |
|---|----------|----------|----------|----------|-----------|-----------|
| AFRICA | 3798.73 | 4074.23 | 5025.52 | 5663.43 | 6423.98 | 7091.18 |
| Central Africa | 157.57 | 222.09 | 263.17 | 352.35 | 404.54 | 450.26 |
| Eastern Africa | 310.40 | 353.51 | 410.66 | 470.54 | 537.13 | 587.28 |
| Northern Africa | 1292.64 | 1076.49 | 1405.88 | 1473.49 | 1719.29 | 1888.63 |
| Southern Africa | 1015.20 | 1130.25 | 1461.97 | 1889.76 | 2043.73 | 2211.30 |
| Western Africa | 988.05 | 1252.89 | 1439.22 | 1425.98 | 1659.70 | 1885.09 |
| Western Indian Ocean | 34.88 | 38.99 | 44.62 | 51.31 | 59.59 | 68.62 |
| ASIA AND PACIFIC | 16590.02 | 19343.78 | 22097.33 | 28031.34 | 31212.75 | 35045.17 |
| Australia and New Zealand | 549.12 | 665.13 | 743.45 | 985.16 | 1184.59 | 1287.26 |
| Central Asia | 2622.23 | 3140.55 | 3783.09 | 5077.50 | 4188.35 | 3142.43 |
| North West Pacific and East Asia | 8001.40 | 8878.91 | 10523.88 | 13147.13 | 14994.04 | 17226.21 |
| South Asia | 4016.86 | 4910.28 | 4471.94 | 5350.72 | 6401.97 | 7583.80 |
| South East Asia | 1383.04 | 1730.76 | 2555.89 | 3449.85 | 4404.47 | 5756.98 |
| South Pacific | 17.38 | 18.14 | 19.08 | 20.99 | 39.33 | 48.47 |
| EUROPE | 26104.63 | 29104.51 | 32852.66 | 38437.09 | 39584.82 | 30673.96 |
| Central Europe | 5485.07 | 6595.36 | 7221.76 | 7382.97 | 6032.32 | 5063.45 |
| Eastern Europe | 12166.41 | 15223.10 | 18532.85 | 24971.57 | 28131.08 | 21144.49 |
| Western Europe | 8453.15 | 7286.05 | 7098.05 | 6082.55 | 5421.42 | 4466.01 |
| LATIN AMERICA AND CARIBBEAN | 2387.08 | 2308.30 | 2832.30 | 3217.72 | 3414.20 | 3901.70 |
| Caribbean | 78.06 | 117.91 | 135.76 | 156.08 | 145.55 | 163.09 |
| Meso.America | 426.57 | 583.07 | 968.97 | 1190.48 | 1173.88 | 1178.13 |
| South America | 1882.46 | 1607.32 | 1727.57 | 1871.16 | 2094.77 | 2560.47 |
| NORTH AMERICA | 22162.27 | 20339.56 | 21934.30 | 20915.42 | 23933.87 | 23887.08 |
| North America | 22162.27 | 20339.56 | 21934.30 | 20915.42 | 23933.87 | 23887.08 |
| POLAR | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Antarctic | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Arctic | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WEST ASIA | 1275.33 | 1854.37 | 2628.79 | 2266.29 | 3464.59 | 4305.61 |
| Arabian Peninsula | 1074.34 | 1585.86 | 2311.82 | 2042.95 | 3148.90 | 4083.17 |
| Mashriq | 200.99 | 268.51 | 316.97 | 223.33 | 315.69 | 222.44 |
| GLOBAL TOTALS | 72318.07 | 77024.75 | 87370.91 | 98531.28 | 108034.21 | 104904.70 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 72331.47 | 77028.37 | 87374.62 | 98535.25 | 108054.17 | 104927.74 |

Comments:

"Energy" comprises production, handling, transmission and combustion of fossil fuels and biofuels (IPCC category 1.A and 1.B) as follows: industrial sector (IPCC 1.A.2); power generation (IPCC 1.A.1(a)); other transformation sector (all) (IPCC 1.A.1(b, c)); residential, commercials and other sector (IPCC 1.A.4); transport road (IPCC 1.A.3(b)); transport land non-road (IPCC 1.A.3(c),(d-ii),(e)); transport air (all) (IPCC 1.A.3(a)); transport international shipping (IPCC 1.A.3(d-1)); coal production (including CH₄ recovery) (IPCC 1.B.1(a)); oil production, handling and flaring (IPCC 1.B.2(a,c)); gas production (IPCC 1.B.2(b-i)); gas transmission (IPCC 1.B.2(b-ii)); industry v3(IPCC 1.A.2); power generation (IPCC 1.A.1(a)); charcoal production (IPCC 1.B.1(b)); residential (IPCC 1.A.4); transport road (IPCC 1.A.3(b)).

Data source: the EDGAR set of inventories were compiled from the perspective of providing good quality reference estimates of anthropogenic emission sources per source category, based on scientifically sound input data. This was done by using (a) international statistics as activity data, since these are comparable between countries in definition and units, (b) emission factors from the scientific literature, also common across countries when judged comparable, and (c) grid maps for allocating sectoral emissions of a country to a grid.

EDGAR 3.2 by RIVM/TNO (Olivier, J.G.J. and Berdowski, J.J.M., 2001, Global Emission Sources and Sinks. In: J. Berdowski, R. Guicherit and B.J. Heij (eds.), The Climate System: 33-77. Lisse: Swets and Zeitlinger Publishers). For more detailed information about the EDGAR 3.2 database and data source see: <http://www.rivm.nl/env/int/coredata/edgar/index.html>.

1 thousand metric tonne corresponds to 1 gigagram.

Emissions of CH₄ - Total (RIVM)

Units: thousand metric tonnes of CH₄

Data Source: Emission Database for Global Atmospheric Research (EDGAR 3.2)

Data Provider: Netherlands Organisation for Applied Scientific Research (TNO)
and National Institute of Public Health and the Environment (RIVM)

Years: 1970, 1975, ..., 1995

| | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|
| AFRICA | 18661.16 | 19566.27 | 21687.21 | 22967.82 | 25039.45 | 26737.70 |
| Central Africa | 2157.44 | 2241.43 | 2425.80 | 2578.39 | 2777.37 | 2932.61 |
| Eastern Africa | 3283.11 | 3453.01 | 3655.78 | 4042.47 | 4319.53 | 4488.93 |
| Northern Africa | 3722.34 | 3711.73 | 4253.91 | 4477.32 | 4919.13 | 5341.44 |
| Southern Africa | 4874.92 | 5208.30 | 5740.54 | 6164.64 | 6593.89 | 6809.52 |
| Western Africa | 3930.46 | 4244.44 | 4807.37 | 4908.89 | 5613.99 | 6314.68 |
| Western Indian Ocean | 692.90 | 707.36 | 803.82 | 796.09 | 815.54 | 850.52 |
| ASIA AND PACIFIC | 107573.40 | 112662.46 | 113874.56 | 119804.47 | 123825.06 | 131586.73 |
| Australia and New Zealand | 5459.74 | 6000.11 | 5653.56 | 5838.95 | 6258.76 | 6082.78 |
| Central Asia | 4627.51 | 5375.22 | 6111.13 | 7504.02 | 6595.79 | 5452.69 |
| North West Pacific and East Asia | 41897.33 | 44274.04 | 44502.87 | 45310.27 | 47774.97 | 51026.26 |
| South Asia | 38448.02 | 39830.64 | 39386.29 | 41296.20 | 42777.89 | 45535.73 |
| South East Asia | 16989.87 | 17020.59 | 18050.94 | 19670.88 | 20203.28 | 23249.63 |
| South Pacific | 150.93 | 161.86 | 169.78 | 184.15 | 214.37 | 239.64 |
| EUROPE | 53574.70 | 59003.17 | 64006.78 | 69935.26 | 70645.58 | 57413.73 |
| Central Europe | 10853.16 | 12564.32 | 13484.57 | 13551.14 | 11988.76 | 9801.26 |
| Eastern Europe | 20676.32 | 24850.48 | 28780.46 | 35765.72 | 39300.61 | 30192.74 |
| Western Europe | 22045.22 | 21588.37 | 21741.76 | 20618.39 | 19356.21 | 17419.73 |
| LATIN AMERICA AND CARIBBEAN | 24717.82 | 27100.21 | 30128.50 | 31393.52 | 32924.74 | 35058.99 |
| Caribbean | 1039.89 | 1101.84 | 1139.93 | 1196.75 | 1189.99 | 1183.68 |
| Meso-America | 3723.39 | 4216.60 | 4972.18 | 5619.87 | 5766.51 | 5894.46 |
| South America | 19954.53 | 21781.78 | 24016.38 | 24576.90 | 25968.24 | 27980.86 |
| NORTH AMERICA | 40117.42 | 40496.40 | 42562.78 | 41650.06 | 44797.91 | 45624.21 |
| North America | 40117.42 | 40496.40 | 42562.78 | 41650.06 | 44797.91 | 45624.21 |
| POLAR | 2.03 | 2.03 | 1.89 | 1.85 | 1.81 | 1.84 |
| Antarctic | 0.38 | 0.48 | 0.38 | 0.39 | 0.39 | 0.40 |
| Arctic | 1.66 | 1.56 | 1.51 | 1.46 | 1.42 | 1.44 |
| WEST ASIA | 1917.11 | 2541.56 | 3437.79 | 3182.37 | 4516.27 | 5455.97 |
| Arabian Peninsula | 1286.50 | 1854.94 | 2638.83 | 2448.58 | 3623.79 | 4628.06 |
| Mashriq | 630.61 | 686.62 | 798.95 | 733.79 | 892.48 | 827.91 |
| GLOBAL TOTALS | 246563.64 | 261372.11 | 275699.50 | 288935.36 | 301750.81 | 301879.18 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 248772.97 | 261417.54 | 275751.24 | 288992.98 | 301811.67 | 301948.95 |

Comments:

Emissions of CH₄ - total (RIVM) include "energy", "agriculture", "waste" and "others" EDGAR subdivisions. Energy comprises production, handling, transmission and combustion of fossil fuels and biofuels (IPCC category 1.A and 1.B); agriculture comprises animals, animal waste, rice production, agricultural waste burning (non-energy, on-site) and savannah burning (IPCC category 4); waste comprises landfills, wastewater treatment, human wastewater disposal and waste incineration (non-energy) (IPCC category 6); others include industrial process emissions and tropical and temperate forest fires (IPCC categories 2 and 5).

Data source: the EDGAR set of inventories were compiled from the perspective of providing good quality reference estimates of anthropogenic emission sources per source category, based on scientifically sound input data. This was done by using (a) international statistics as activity data, since these are comparable between countries in definition and units, (b) emission factors from the scientific literature, also common across countries when judged comparable, and (c) grid maps for allocating sectoral emissions of a country to a grid.

EDGAR 3.2 by RIVM/TNO (Olivier, J.G.J. and Berdowski, J.J.M., 2001, Global Emission Sources and Sinks. In: J. Berdowski, R. Guichérit and B.J. Heij (eds.), The Climate System: 33-77. Lisse: Swets and Zeitlinger Publishers). For more detailed information about the EDGAR 3.2 database and data source see: <http://www.rivm.nl/env/int/coredata/edgar/index.html>.

1 thousand metric tonne corresponds to 1 gigagram.

Emissions of CH₄ - Waste (RIVM)

Units: thousand metric tonnes of CH₄

Data Source: Emission Database for Global Atmospheric Research (EDGAR 3.2)

Data Provider: Netherlands Organisation for Applied Scientific Research (TNO)
and National Institute of Public Health and the Environment (RIVM)

Years: 1970, 1975, ..., 1995

| | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 |
|---|----------|----------|----------|----------|----------|----------|
| AFRICA | 1876.21 | 2169.77 | 2537.54 | 2980.35 | 3532.71 | 4118.79 |
| Central Africa | 177.52 | 182.99 | 206.53 | 242.04 | 288.20 | 340.23 |
| Eastern Africa | 272.54 | 280.52 | 314.33 | 370.92 | 433.92 | 511.75 |
| Northern Africa | 452.02 | 465.66 | 523.44 | 612.97 | 720.61 | 836.40 |
| Southern Africa | 445.03 | 456.35 | 504.57 | 580.95 | 668.31 | 806.65 |
| Western Africa | 486.60 | 502.55 | 572.47 | 674.03 | 802.59 | 958.66 |
| Western Indian Ocean | 42.51 | 43.68 | 48.43 | 56.63 | 66.71 | 79.03 |
| ASIA AND PACIFIC | 12801.13 | 14485.18 | 16135.46 | 17992.44 | 20149.71 | 22266.17 |
| Australia and New Zealand | 412.03 | 422.94 | 465.65 | 504.79 | 548.43 | 593.52 |
| Central Asia | 178.59 | 184.49 | 207.65 | 235.92 | 268.53 | 310.89 |
| North West Pacific and East Asia | 5627.83 | 5776.45 | 6325.27 | 6953.34 | 7593.50 | 8403.53 |
| South Asia | 4691.72 | 4816.10 | 5340.04 | 6031.59 | 6865.45 | 7764.23 |
| South East Asia | 1874.06 | 1923.40 | 2127.29 | 2387.88 | 2691.22 | 3048.46 |
| South Pacific | 16.90 | 17.13 | 19.28 | 21.95 | 25.31 | 29.07 |
| EUROPE | 7870.58 | 8576.26 | 9213.35 | 9606.15 | 9804.98 | 9826.31 |
| Central Europe | 1093.47 | 1111.20 | 1191.14 | 1300.24 | 1425.86 | 1494.13 |
| Eastern Europe | 2069.58 | 2119.89 | 2318.09 | 2565.54 | 2835.40 | 3152.18 |
| Western Europe | 4707.53 | 4795.33 | 5067.02 | 5347.56 | 5344.89 | 5158.67 |
| LATIN AMERICA AND CARIBBEAN | 3231.81 | 3795.72 | 4530.70 | 5200.68 | 6070.17 | 7248.61 |
| Caribbean | 238.64 | 244.14 | 271.08 | 303.85 | 340.79 | 376.02 |
| Meso-America | 827.73 | 859.64 | 992.33 | 1173.73 | 1358.51 | 1564.19 |
| South America | 2165.44 | 2235.18 | 2532.30 | 3053.11 | 3501.38 | 4129.96 |
| NORTH AMERICA | 8432.34 | 9669.68 | 11094.72 | 11816.38 | 12143.25 | 11492.76 |
| North America | 8432.34 | 8682.74 | 9669.68 | 11094.72 | 11816.38 | 12143.25 |
| POLAR | 0.60 | 0.74 | 0.67 | 0.71 | 0.74 | 0.77 |
| Antarctic | 0.38 | 0.38 | 0.48 | 0.38 | 0.39 | 0.39 |
| Arctic | 0.22 | 0.23 | 0.26 | 0.29 | 0.32 | 0.35 |
| WEST ASIA | 234.31 | 300.10 | 369.35 | 458.38 | 556.12 | 652.18 |
| Arabian Peninsula | 94.86 | 99.78 | 122.50 | 161.00 | 208.51 | 262.89 |
| Mashriq | 139.45 | 146.96 | 177.60 | 208.36 | 249.87 | 293.23 |
| GLOBAL TOTALS | 34446.99 | 38997.43 | 43881.79 | 48055.08 | 52257.68 | 55605.58 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 34482.28 | 39037.84 | 43928.34 | 48107.50 | 52311.25 | 55665.42 |

Comments:

Emissions of CH₄ - from waste (RIVM) include emissions from: landfills (including CH₄ recovery) (IPCC 6.A.1,2); wastewater treatment (including CH₄ recovery) (IPCC 6.B.1,2); human wastewater disposal (IPCC 6.B.2); waste incineration (non-energy) (IPCC 6.C.).

Data source: the EDGAR set of inventories were compiled from the perspective of providing good quality reference estimates of anthropogenic emission sources per source category, based on scientifically sound input data. This was done by using (a) international statistics as activity data, since these are comparable between countries in definition and units, (b) emission factors from the scientific literature, also common across countries when judged comparable, and (c) grid maps for allocating sectoral emissions of a country to a grid.

EDGAR 3.2 by RIVM/TNO (Olivier, J.G.J. and Berdowski, J.J.M., 2001, Global Emission Sources and Sinks. In: J. Berdowski, R. Guicherit and B.J. Heij (eds.), The Climate System: 33-77. Lisse: Swets and Zeitlinger Publishers). For more detailed information about the EDGAR 3.2 database and data source see: <http://www.rivm.nl/env/int/coredata/edgar/index.html>

1 thousand metric tonne corresponds to 1 gigagram

Emissions of CH₄ - Total Anthropogenic (UNFCCC)

Units: gigagrams of CH₄

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|-----------|-----------|-----------|-----------|----------|----------|----------|----------|----------|
| AFRICA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Australia and New Zealand | 7254.01 | 7122.38 | 7087.68 | 7020.11 | 6950.42 | 7028.03 | 7068.77 | 7076.56 | 7187.69 |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | 66849.27 | 63041.23 | 59727.91 | 56400.19 | 53391.00 | 52311.42 | 50719.14 | 49530.00 | 47884.52 |
| Central Europe | 9484.02 | 8638.70 | 8026.62 | 7622.00 | --- | --- | --- | --- | --- |
| Eastern Europe | 35902.30 | --- | --- | --- | 27180.30 | 26358.90 | 25603.40 | --- | --- |
| Western Europe | 21462.95 | 20971.23 | 20298.59 | 19513.49 | 19015.67 | 18889.51 | 18394.84 | 18159.49 | 18041.47 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NORTH AMERICA | 34595.99 | 34688.91 | 35117.82 | 35119.22 | 35729.37 | 36309.95 | 36266.18 | 36401.01 | 35853.75 |
| North America | 34595.99 | 34688.91 | 35117.82 | 35119.22 | 35729.37 | 36309.95 | 36266.18 | 36401.01 | 35853.75 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| SUM OF ANNEX I PARTIES (INCLUDES ESTIMATIONS) | 110242.15 | 106375.51 | 103446.42 | 100044.05 | 97560.16 | 97126.07 | 95501.37 | 94396.13 | 90925.96 |

Comments:

Emissions of CH₄ - total anthropogenic (UNFCCC): total anthropogenic emissions of CH₄ (methane) includes emissions from the energy (fuel combustion and fugitive fuel) and agricultural (livestock and other) sectors, waste and other. The data is based on the national greenhouse gas inventories given by the parties of the Climate Change Convention Secretariat. This data is annually submitted to the Climate Change Secretariat by national communications under the Convention by the Annex I parties.

Annex I parties - the industrialized countries listed in this annex to the Climate Change Convention tried to return their greenhouse gas emissions to 1990 levels by the year 2000. They have also accepted emission targets for the period 2008-12. They include the following members Australia, Austria, Belarus, Belgium, Bulgaria, Canada, Czech Republic, Denmark, European Economic Community, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Latvia, Lithuania, Luxembourg, Netherlands, New Zealand, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, United Kingdom of Great Britain and Northern Ireland and the United States of America.

Greenhouse gases (GHGs) - the major anthropogenic GHGs responsible for causing climate change are carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O). The Kyoto Protocol also addresses hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulphur hexafluoride (SF₆). For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

1 gigagram corresponds to 1 thousand metric tonne.

Emissions of CO₂ - Anthropogenic Emissions and Removals from Land-Use Change and Forestry (UNFCCC)

Units: gigagrams of CO₂

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|-------------|-------------|-------------|------------|------------|-------------|-------------|-------------|-------------|
| AFRICA | | | | | | | | | |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | | | | | | | | | |
| Australia and New Zealand | 48562.15 | 22924.00 | 21658.81 | 21228.08 | 20286.40 | 19213.76 | 21415.67 | 18379.18 | 14277.09 |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | -749657.27 | -829343.43 | -861358.23 | -906792.31 | -943125.06 | -1208772.02 | -1232993.99 | -1270243.05 | -1254320.51 |
| Central Europe | -83415.99 | -99893.21 | -96975.72 | -93817.97 | -92375.62 | -91942.90 | -89954.76 | -68593.40 | -59074.83 |
| Eastern Europe | -444107.10 | --- | --- | --- | -620720.90 | -892939.60 | -906150.60 | --- | --- |
| Western Europe | -222134.17 | -240486.72 | -231724.51 | -236056.94 | -230028.53 | -223889.52 | -236888.63 | -229986.11 | -224967.47 |
| LATIN AMERICA AND CARIBBEAN | | | | | | | | | |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NORTH AMERICA | -1199134.68 | -1216915.77 | -1204650.65 | -814513.30 | -808013.91 | -797787.23 | -803611.25 | -797707.94 | -794851.94 |
| North America | -1199134.68 | -1216915.77 | -1204650.65 | -814513.30 | -808013.91 | -797787.23 | -803611.25 | -797707.94 | -794851.94 |
| POLAR | | | | | | | | | |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | | | | | | | | | |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Emissions of CO₂ - total anthropogenic and removals from land-use change and forestry (UNFCCC): are all the emissions of CO₂ associated with human activities including land-use change and forestry. These include emissions from fuel combustion, industrial processes, agriculture, waste, and other. The data is based on the national greenhouse gas inventories given by the parties of the Climate Change Convention Secretariat. This data is annually submitted to the Climate Change Secretariat by national communications under the Convention by the Annex I parties.

Annex I parties - the industrialized countries listed in this annex to the Climate Change Convention tried to return their greenhouse gas emissions to 1990 levels by the year 2000. They have also accepted emission targets for the period 2008-12. They include the following members Australia, Austria, Belarus, Belgium, Bulgaria, Canada, Czech Republic, Denmark, European Economic Community, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Latvia, Lithuania, Luxembourg, Netherlands, New Zealand, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, United Kingdom of Great Britain and Northern Ireland and the United States of America.

Greenhouse gases (GHGs) - the major anthropogenic GHGs responsible for causing climate change are carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O). The Kyoto Protocol also addresses hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulphur hexafluoride (SF₆). For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

1 gigagram corresponds to 1 thousand metric tonne.

Emissions of CO₂ - from Fuel Combustion (UNFCCC)

Units: gigagrams of CO₂

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| AFRICA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Australia and New Zealand | 287685.80 | 290148.39 | 294520.73 | 296948.22 | 300617.90 | 312609.38 | 323443.29 | 332860.12 | 349734.36 |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | 7322621.98 | 6808567.76 | 6506392.09 | 6216096.34 | 5910282.95 | 5850766.55 | 5840446.21 | 5680862.23 | 5668242.21 |
| Central Europe | 1152940.20 | 893547.44 | 842499.70 | 818483.60 | 808018.12 | 784991.62 | 813507.67 | 800120.74 | 750006.50 |
| Eastern Europe | 2970974.80 | 2680747.40 | 2497438.70 | 2289956.20 | 1991218.00 | 1915332.90 | 1794975.90 | --- | --- |
| Western Europe | 3198706.98 | 3234272.93 | 3166453.69 | 3107656.54 | 3111046.82 | 3150442.03 | 3231962.65 | 3173717.26 | 3219813.37 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NORTH AMERICA | 5256172.78 | 5193764.29 | 5296617.18 | 5409016.56 | 5497170.73 | 5544802.93 | 5737846.05 | 5820719.11 | 5859928.05 |
| North America | 5256172.78 | 5193764.29 | 5296617.18 | 5409016.56 | 5497170.73 | 5544802.93 | 5737846.05 | 5820719.11 | 5859928.05 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| SUM OF ANNEX I PARTIES (INCLUDES ESTIMATIONS) | 13919444.63 | 13365242.15 | 13182740.79 | 12986502.05 | 12841362.73 | 12846530.64 | 13055277.86 | 12985116.65 | 13037751.12 |

Comments:

Emissions of CO₂ - fuel combustion (UNFCCC): emissions of CO₂ from fuel combustion include emissions from energy industries, manufacturing industries and construction, transport and other fuel combustion sectors. The data is based on the national greenhouse gas inventories given by the parties of the Climate Change Convention Secretariat. This data is annually submitted to the Climate Change Secretariat by national communications under the Convention by the Annex I parties.

Annex I parties - the industrialized countries listed in this annex to the Climate Change Convention tried to return their greenhouse gas emissions to 1990 levels by the year 2000. They have also accepted emission targets for the period 2008-12. They include the following members Australia, Austria, Belarus, Belgium, Bulgaria, Canada, Czech Republic, Denmark, European Economic Community, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Latvia, Lithuania, Luxembourg, Netherlands, New Zealand, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, United Kingdom of Great Britain and Northern Ireland and the United States of America.

Greenhouse gases (GHGs) - the major anthropogenic GHGs responsible for causing climate change are carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O). The Kyoto Protocol also addresses hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulphur hexafluoride (SF₆). For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

1 gigagram corresponds to 1 thousand metric tonne.

AGGREGATIONS

Emissions of CO₂ - from Industrial Processes (UNFCCC)

Units: gigagrams of CO₂

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| AFRICA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Australia and New Zealand | 9040.20 | 8840.27 | 8857.90 | 9290.43 | 9948.29 | 9755.02 | 9851.80 | 9927.52 | 10562.87 |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | 58794.68 | 60381.39 | 60998.36 | 60332.69 | 61302.69 | 61236.14 | 61078.72 | 59500.61 | 60763.87 |
| South Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | 288760.95 | 256453.30 | 243357.41 | 220536.06 | 222944.55 | 226122.84 | 214672.75 | 219634.00 | 221056.45 |
| Central Europe | 49747.57 | 32550.03 | 31406.07 | 28758.29 | 29627.85 | 31002.12 | 27677.57 | 29661.63 | 30811.26 |
| Eastern Europe | 78016.80 | 72333.50 | 64178.80 | 49067.70 | 40720.00 | 38675.20 | 33711.70 | --- | --- |
| Western Europe | 160996.58 | 151569.77 | 147772.54 | 142710.06 | 152596.71 | 156445.52 | 153283.49 | 155236.76 | 158142.52 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NORTH AMERICA | 87150.79 | 86704.98 | 86633.44 | 90022.96 | 94217.62 | 98199.54 | 101236.09 | 104420.11 | 105512.53 |
| North America | 87150.79 | 86704.98 | 86633.44 | 90022.96 | 94217.62 | 98199.54 | 101236.09 | 104420.11 | 105512.53 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| SUM OF ANNEX I PARTIES (INCLUDES ESTIMATIONS) | 443746.62 | 412379.94 | 399847.11 | 380182.13 | 388413.15 | 395313.55 | 386839.37 | 393482.23 | 397895.72 |

Comments:

Emissions of CO₂ - industrial processes (UNFCCC): emissions of CO₂ from industrial processes of mineral products, chemical industry, metal production, other production and other. The data is based on the national greenhouse gas inventories given by the parties of the Climate Change Convention Secretariat. This data is annually submitted to the Climate Change Secretariat by national communications under the Convention by the Annex I parties.

Annex I parties - the industrialized countries listed in this annex to the Climate Change Convention tried to return their greenhouse gas emissions to 1990 levels by the year 2000. They have also accepted emission targets for the period 2008-12. They include the following members Australia, Austria, Belarus, Belgium, Bulgaria, Canada, Czech Republic, Denmark, European Economic Community, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Latvia, Lithuania, Luxembourg, Netherlands, New Zealand, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, United Kingdom of Great Britain and Northern Ireland and the United States of America.

Greenhouse gases (GHGs) - the major anthropogenic GHGs responsible for causing climate change are carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O). The Kyoto Protocol also addresses hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulphur hexafluoride (SF₆). For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

1 gigagram corresponds to 1 thousand metric tonne.

Emissions of CO₂ - Total Anthropogenic (UNFCCC) Excluding Land-Use Change and Forestry

Units: gigagrams of CO₂

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| AFRICA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Australia and New Zealand | 304066.83 | 306087.03 | 310531.27 | 313431.60 | 317564.02 | 329483.61 | 340562.73 | 349903.68 | 366913.73 |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | 7685006.76 | 6896824.39 | 6659333.49 | 6423123.66 | 6218560.00 | 6148034.71 | 6118122.60 | 5852301.81 | 5820719.01 |
| Central Europe | 1202747.85 | 933984.50 | 885259.76 | 856406.49 | 842555.82 | 825325.55 | 843600.54 | 834506.75 | 783559.99 |
| Eastern Europe | 3076091.65 | --- | --- | --- | 2066838.04 | 1971348.14 | 1842687.64 | --- | --- |
| Western Europe | 3406167.25 | 3429791.95 | 3358083.20 | 3293999.82 | 3309166.14 | 3351361.01 | 3431834.41 | 3374430.14 | 3421729.30 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NORTH AMERICA | 5380106.55 | 5318718.45 | 5421099.34 | 5540309.25 | 5632846.01 | 5687682.03 | 5882635.54 | 5968350.21 | 6007482.24 |
| North America | 5380106.55 | 5318718.45 | 5421099.34 | 5540309.25 | 5632846.01 | 5687682.03 | 5882635.54 | 5968350.21 | 6007482.24 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Emissions of CO₂ - total anthropogenic (UNFCCC) excluding land-use change and forestry: all the emissions of CO₂ associated with human activities excluding land-use change and forestry. Emissions included are emitted from fuel combustion, industrial processes, agriculture, waste, and other. The data is based on the national greenhouse gas inventories given by the parties of the Climate Change Convention. This data is annually submitted to the Climate Change secretariat by national communications under the Convention by the Annex I parties.

Annex I parties - the industrialized countries listed in this annex to the Climate Change Convention tried to return their greenhouse gas emissions to 1990 levels by the year 2000. They have also accepted emission targets for the period 2008-12. They include the following members Australia, Austria, Belarus, Belgium, Bulgaria, Canada, Czech Republic, Denmark, European Economic Community, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Latvia, Lithuania, Luxembourg, Netherlands, New Zealand, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, United Kingdom of Great Britain and Northern Ireland and the United States of America.

Greenhouse gases (GHGs) - the major anthropogenic GHGs responsible for causing climate change are carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O). The Kyoto Protocol also addresses hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulphur hexafluoride (SF₆). For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

1 gigagram corresponds to 1 thousand metric tonne.

Emissions of CO₂ - from Transport (UNFCCC)

Units: gigagrams of CO₂

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| AFRICA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Australia and New Zealand | 67948.06 | 67238.44 | 69141.91 | 70290.10 | 72538.03 | 75738.77 | 77904.03 | 79729.21 | 79868.91 |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | 804471.05 | 800990.62 | 826393.70 | 831154.06 | 839519.68 | 844287.87 | 865668.98 | 878585.32 | 901567.73 |
| Central Europe | 85103.76 | 69138.72 | 70620.23 | 69332.83 | 70188.90 | 65914.72 | 68734.71 | 69767.27 | 71801.95 |
| Eastern Europe | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Europe | 719367.30 | 731851.90 | 755773.47 | 761821.24 | 769330.78 | 778373.15 | 796934.27 | 808818.05 | 829765.78 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NORTH AMERICA | 1559196.16 | 1522096.75 | 1565630.72 | 1599083.90 | 1649829.85 | 1683237.79 | 1734147.63 | 1752909.20 | 1781833.27 |
| North America | 1559196.16 | 1522096.75 | 1565630.72 | 1599083.90 | 1649829.85 | 1683237.79 | 1734147.63 | 1752909.20 | 1781833.27 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | *** | *** | *** | *** | *** | *** |
| SUM OF ANNEX I PARTIES (INCLUDES ESTIMATIONS) | 2637247.88 | 2605638.51 | 2681639.29 | 2723002.11 | 2795312.89 | 2843556.88 | 2924594.19 | 2962599.63 | 3014645.81 |

Comments:

Emissions of CO₂ - Transport (UNFCCC): emissions of CO₂ (carbon dioxide) from transport exclude emissions from international bunkers (aviation and marine). The data is based on the national greenhouse gas inventories given by the parties of the Climate Change Convention Secretariat. This data is annually submitted to the Climate Change Secretariat by national communications under the Convention by the Annex I parties.

Annex I parties - the industrialized countries listed in this annex to the Climate Change Convention tried to return their greenhouse gas emissions to 1990 levels by the year 2000. They have also accepted emission targets for the period 2008-12. They include the following members Australia, Austria, Belarus, Belgium, Bulgaria, Canada, Czech Republic, Denmark, European Economic Community, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Latvia, Lithuania, Luxembourg, Netherlands, New Zealand, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, United Kingdom of Great Britain and Northern Ireland and the United States of America.

Greenhouse gases (GHGs) - the major anthropogenic GHGs responsible for causing climate change are carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O). The Kyoto Protocol also addresses hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulphur hexafluoride (SF₆). For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

1 gigagram corresponds to 1 thousand metric tonne.

Emissions of CO₂, CH₄, N₂O, HFCs, PFCs and SF₆ - Aggregated (UNFCCC) Excluding CO₂ from Land-Use Change and Forestry

Units: gigagrams equivalent of CO₂

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| AFRICA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Australia and New Zealand | 496305.09 | 495600.86 | 498337.75 | 499831.32 | 502131.60 | 515567.58 | 527793.41 | 538393.55 | 559585.09 |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | 9776986.93 | 8874585.97 | 8369437.98 | 8051615.89 | 7914174.70 | 7828985.68 | 7796659.57 | 7681010.56 | 7646411.44 |
| Central Europe | 1501177.15 | 1172220.54 | 1107464.93 | 1067735.84 | 1046607.09 | 1028259.91 | 1053132.55 | 1026756.07 | 985177.21 |
| Eastern Europe | 3959281.95 | --- | --- | --- | 2722014.34 | 2604544.34 | 2462074.94 | --- | --- |
| Western Europe | 4316527.84 | 4318254.69 | 4216882.81 | 4125579.52 | 4145553.27 | 4196181.44 | 4281452.08 | 4225342.96 | 4243859.60 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NORTH AMERICA | 6660556.21 | 6605138.55 | 6731554.42 | 6855919.87 | 6998058.16 | 7069807.65 | 7292616.29 | 7389494.89 | 7419226.56 |
| North America | 6660556.21 | 6605138.55 | 6731554.42 | 6855919.87 | 6998058.16 | 7069807.65 | 7292616.29 | 7389494.89 | 7419226.56 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| SUM OF ANNEX I PARTIES (INCLUDES ESTIMATIONS) | 18147110.45 | 14615740.57 | 14578931.34 | 14465828.47 | 16723873.82 | 16736654.04 | 16943096.65 | 14966790.30 | 14977419.21 |

Comments:

The Global Warming Potential (GWP) is an index used to translate the level of emissions of various gases into a common measure in order to compare the relative radiative forcing of different gases without directly calculating the changes in atmospheric concentrations. GWPs are calculated as the ratio of the radiative forcing that would result from the emissions of one kilogram of a greenhouse gas to that from the emission of one kilogram of carbon dioxide over a period of time (usually 100 years). Gases involved in complex atmospheric chemical processes have not been assigned GWPs.

The data is based on the national greenhouse gas inventories given by the parties of the Climate Change Convention Secretariat. This data is annually submitted to the Climate Change Secretariat by national communications under the Convention by the Annex I parties: the industrialized countries listed in this annex to the Climate Change Convention tried to return their greenhouse gas emissions to 1990 levels by the year 2000. They have also accepted emission targets for the period 2008-12. They include the following members Australia, Austria, Belarus, Belgium, Bulgaria, Canada, Czech Republic, Denmark, European Economic Community, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Latvia, Lithuania, Luxembourg, Netherlands, New Zealand, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, United Kingdom of Great Britain and Northern Ireland and the United States of America. Greenhouse gases (GHGs) - the major anthropogenic GHGs responsible for causing climate change are water vapor, carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O). The Kyoto Protocol also addresses hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulphur hexafluoride (SF₆). For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

1 gigagram corresponds to 1 thousand metric tonne. CO₂ equivalent is a metric measure used to compare the emissions of the different greenhouse gases based upon their global warming potential (GWP).

AGGREGATIONS

Emissions of CO₂, CH₄, N₂O, HFCs, PFCs and SF₆ - Aggregated (UNFCCC) Including CO₂ from Land-Use Change and Forestry

Units: gigagrams equivalent of CO₂

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| AFRICA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Australia and New Zealand | 544866.78 | 518525.02 | 519996.33 | 521058.68 | 522417.59 | 534781.42 | 549208.46 | 556772.19 | 573862.22 |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | 9027330.95 | 7996103.50 | 7672604.80 | 7184100.21 | 6974078.51 | 6619794.37 | 6565114.34 | 6467973.91 | 6448369.48 |
| Central Europe | 1417761.19 | 1087114.58 | 1024898.94 | 988950.18 | 957260.63 | 935897.93 | 964666.72 | 952583.60 | 920913.20 |
| Eastern Europe | 3515174.85 | --- | --- | --- | 2101293.44 | 1711604.44 | --- | --- | --- |
| Western Europe | 4094394.91 | 4077841.67 | 3985273.61 | 3889766.89 | 3915524.44 | 3972292.00 | 4044523.18 | 3995285.06 | 4018789.86 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NORTH AMERICA | 5461420.78 | 5388222.88 | 5526904.18 | 6041406.20 | 6190043.96 | 6272021.16 | 6489004.94 | 6591786.92 | 6624374.41 |
| North America | 5461420.78 | 5388222.88 | 5526904.18 | 6041406.20 | 6190043.96 | 6272021.16 | 6489004.94 | 6591786.92 | 6624374.41 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| SUM OF ANNEX I PARTIES (INCLUDES ESTIMATIONS) | 16162977.65 | 15059401.43 | 14893538.74 | 14894942.12 | 14902504.59 | 14652185.03 | 14838539.37 | 14861368.18 | 14901064.84 |

Comments:

The Global Warming Potential (GWP) is an index used to translate the level of emissions of various gases into a common measure in order to compare the relative radiative forcing of different gases without directly calculating the changes in atmospheric concentrations. GWPs are calculated as the ratio of the radiative forcing that would result from the emissions of one kilogram of a greenhouse gas to that from the emission of one kilogram of carbon dioxide over a period of time (usually 100 years). Gases involved in complex atmospheric chemical processes have not been assigned GWPs.

The data is based on the national greenhouse gas inventories given by the parties of the Climate Change Convention Secretariat. This data is annually submitted to the Climate Change Secretariat by national communications under the Convention by the Annex I parties: the industrialized countries listed in this annex to the Climate Change Convention tried to return their greenhouse gas emissions to 1990 levels by the year 2000. They have also accepted emission targets for the period 2008-12. They include the following members Australia, Austria, Belarus, Belgium, Bulgaria, Canada, Czech Republic, Denmark, European Economic Community, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Latvia, Lithuania, Luxembourg, Netherlands, New Zealand, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, United Kingdom of Great Britain and Northern Ireland and the United States of America. Greenhouse gases (GHGs) - the major anthropogenic GHGs responsible for causing climate change are water vapor, carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O). The Kyoto Protocol also addresses hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulphur hexafluoride (SF₆). For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

1 gigagram corresponds to 1 thousand metric tonne. CO₂ equivalent is a metric measure used to compare the emissions of the different greenhouse gases based upon their global warming potential (GWP).

Emissions of HFCs, PFCs and SF₆ - Aggregated (UNFCCC)

Units: gigagrams equivalent of CO₂

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| AFRICA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Australia and New Zealand | 5431.46 | 5478.85 | 4220.23 | 3388.72 | 2400.41 | 1849.92 | 1799.62 | 1607.54 | 1884.96 |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Europe | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Europe | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Europe | 51137.75 | 48686.07 | 45836.46 | 47943.47 | 53092.07 | 61786.92 | 65371.98 | 72250.41 | 75636.81 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NORTH AMERICA | 94287.75 | 90192.90 | 95060.58 | 96795.37 | 100984.28 | 114759.26 | 131050.10 | 137788.04 | 156199.21 |
| North America | 94287.75 | 90192.90 | 95060.58 | 96795.37 | 100984.28 | 114759.26 | 131050.10 | 137788.04 | 156199.21 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| SUM OF ANNEX I PARTIES (INCLUDES ESTIMATIONS) | 230663.93 | 223894.98 | 230746.34 | 231693.45 | 240634.20 | 263005.63 | 284679.36 | 298126.98 | 321766.08 |

Comments:

The Global Warming Potential (GWP) is an index used to translate the level of emissions of various gases into a common measure in order to compare the relative radiative forcing of different gases without directly calculating the changes in atmospheric concentrations. GWPs are calculated as the ratio of the radiative forcing that would result from the emissions of one kilogram of a greenhouse gas to that from the emission of one kilogram of carbon dioxide over a period of time (usually 100 years). Gases involved in complex atmospheric chemical processes have not been assigned GWPs.

The data is based on the national greenhouse gas inventories given by the parties of the Climate Change Convention Secretariat. This data is annually submitted to the Climate Change Secretariat by national communications under the Convention by the Annex I parties: the industrialized countries listed in this annex to the Climate Change Convention tried to return their greenhouse gas emissions to 1990 levels by the year 2000. They have also accepted emission targets for the period 2008-12. They include the following members Australia, Austria, Belarus, Belgium, Bulgaria, Canada, Czech Republic, Denmark, European Economic Community, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Latvia, Lithuania, Luxembourg, Netherlands, New Zealand, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, United Kingdom of Great Britain and Northern Ireland and the United States of America. Greenhouse gases (GHGs) - the major anthropogenic GHGs responsible for causing climate change are water vapor, carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O). The Kyoto Protocol also addresses hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulphur hexafluoride (SF₆). For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

1 gigagram corresponds to 1 thousand metric tonne. CO₂ equivalent is a metric measure used to compare the emissions of the different greenhouse gases based upon their global warming potential (GWP).

AGGREGATIONS

Emissions of N₂O - from Agriculture (RIVM)

Units: thousand metric tonnes of N₂O

Data Source: Emission Database for Global Atmospheric Research (EDGAR 3.2)

Data Provider: Netherlands Organisation for Applied Scientific Research (TNO)
and National Institute of Public Health and the Environment (RIVM)

Years: 1970, 1975, ..., 1995

| | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 |
|---|---------|---------|---------|---------|---------|---------|
| AFRICA | 892.92 | 939.71 | 1047.85 | 1096.98 | 1204.27 | 1243.17 |
| Central Africa | 57.30 | 57.32 | 68.91 | 70.48 | 84.47 | 90.12 |
| Eastern Africa | 280.54 | 291.00 | 307.97 | 336.03 | 348.04 | 338.76 |
| Northern Africa | 182.30 | 205.66 | 229.98 | 245.54 | 260.96 | 279.25 |
| Southern Africa | 193.58 | 208.04 | 226.31 | 222.38 | 241.67 | 231.55 |
| Western Africa | 150.36 | 148.51 | 181.23 | 189.05 | 235.80 | 270.03 |
| Western Indian Ocean | 28.85 | 29.18 | 33.45 | 33.49 | 33.33 | 33.47 |
| ASIA AND PACIFIC | 1994.91 | 2253.38 | 2654.69 | 2980.41 | 3574.45 | 4027.27 |
| Australia and New Zealand | 438.56 | 441.72 | 413.23 | 424.01 | 444.86 | 398.26 |
| Central Asia | 120.60 | 141.59 | 149.09 | 164.65 | 154.39 | 118.71 |
| North West Pacific and East Asia | 671.54 | 800.33 | 1089.59 | 1148.26 | 1501.51 | 1785.64 |
| South Asia | 583.09 | 673.64 | 764.53 | 934.97 | 1109.57 | 1285.04 |
| South East Asia | 173.26 | 186.47 | 224.49 | 290.64 | 337.99 | 402.40 |
| South Pacific | 7.86 | 9.63 | 13.77 | 17.89 | 26.13 | 37.21 |
| EUROPE | 1562.11 | 1794.58 | 1933.65 | 2088.03 | 2007.63 | 1571.49 |
| Central Europe | 391.15 | 462.56 | 492.46 | 492.91 | 457.40 | 345.86 |
| Eastern Europe | 445.97 | 534.91 | 579.07 | 667.64 | 613.62 | 328.07 |
| Western Europe | 724.98 | 797.11 | 862.12 | 927.49 | 936.61 | 897.55 |
| LATIN AMERICA AND CARIBBEAN | 973.09 | 1101.91 | 1251.64 | 1351.99 | 1443.26 | 1512.73 |
| Caribbean | 65.74 | 60.92 | 67.69 | 72.24 | 70.81 | 56.72 |
| Meso-America | 186.46 | 208.25 | 229.71 | 260.42 | 263.19 | 248.33 |
| South America | 720.89 | 832.74 | 954.23 | 1019.34 | 1109.26 | 1207.69 |
| NORTH AMERICA | 962.41 | 1173.51 | 1153.23 | 1149.00 | 1106.46 | 1193.46 |
| North America | 962.41 | 1173.51 | 1153.23 | 1149.00 | 1106.46 | 1193.46 |
| POLAR | 3.84 | 5.16 | 7.42 | 10.59 | 13.70 | 20.26 |
| Antarctic | 3.84 | 5.16 | 7.42 | 10.59 | 13.70 | 20.26 |
| Arctic | ---- | ---- | ---- | ---- | 0.00 | 0.00 |
| WEST ASIA | 57.08 | 60.99 | 74.35 | 87.31 | 98.66 | 100.16 |
| Arabian Peninsula | 18.68 | 24.09 | 30.30 | 40.85 | 48.18 | 49.02 |
| Mashriq | 38.40 | 36.90 | 44.05 | 46.46 | 50.48 | 51.15 |
| GLOBAL TOTALS | 6446.36 | 7329.25 | 8122.82 | 8764.31 | 9448.42 | 9668.54 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 6447.04 | 7329.37 | 8123.00 | 8764.47 | 9430.24 | 9649.86 |

Comments:

Emissions of N₂O - from agriculture (RIVM). Emissions of CH₄ (methane) from the agricultural sector include emissions from: arable land (fertiliser use) (IPCC 4.D); animal waste management (IPCC 4.B); savannah burning (IPCC 4.E); agricultural waste burning (IPCC 4.F); crop production (IPCC 4.D); animal waste (deposited on soil - N₂O) (IPCC 4.B); atmospheric deposition (IPCC 4.D); leaching and run-off (IPCC 4.D). The emissions from deforestation (IPCC 5.A.1), vegetation fires (IPCC 5.A.2,3) and deforestation post burn effects (IPCC 5B1) are not included.

The EDGAR set of inventories were compiled from the perspective of providing good quality reference estimates of anthropogenic emission sources per source category, based on scientifically sound input data. This was done by using (a) international statistics as activity data, since these are comparable between countries in definition and units, (b) emission factors from the scientific literature, also common across countries when judged comparable, and (c) grid maps for allocating sectoral emissions of a country to a grid. EDGAR 3.2 by RIVM/TNO (Olivier, J.G.J. and Berdowski, J.J.M., 2001, Global emission sources and sinks. In: J. Berdowski, R. Guicherit and B.J. Heij (eds.), The Climate System: 33-77. Lisse: Swets and Zeitlinger Publishers).

For more detailed information about the EDGAR 3.2 database and data source see:
<http://www.rivm.nl/env/int/coredata/edgar/index.html>.

1 thousand metric tonne corresponds to 1 gigagram.

Emissions of N₂O - from Energy (RIVM)

Units: thousand metric tonnes of N₂O

Data Source: Emission Database for Global Atmospheric Research (EDGAR 3.2)

Data Provider: Netherlands Organisation for Applied Scientific Research (TNO)
and National Institute of Public Health and the Environment (RIVM)

Years: 1970, 1975, ..., 1995

| | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 |
|---|--------|--------|--------|--------|--------|--------|
| AFRICA | 22.91 | 26.04 | 30.09 | 34.14 | 38.44 | 43.15 |
| Central Africa | 1.42 | 1.59 | 1.83 | 2.10 | 2.40 | 2.81 |
| Eastern Africa | 3.18 | 3.61 | 4.18 | 4.77 | 5.47 | 5.99 |
| Northern Africa | 3.44 | 3.97 | 4.84 | 5.70 | 6.32 | 6.96 |
| Southern Africa | 7.08 | 8.06 | 9.19 | 10.28 | 11.49 | 12.96 |
| Western Africa | 7.39 | 8.35 | 9.52 | 10.68 | 12.06 | 13.63 |
| Western Indian Ocean | 0.41 | 0.46 | 0.53 | 0.60 | 0.70 | 0.80 |
| ASIA AND PACIFIC | 99.05 | 112.78 | 129.35 | 148.87 | 175.06 | 200.92 |
| Australia and New Zealand | 1.93 | 2.35 | 2.53 | 2.73 | 4.34 | 5.78 |
| Central Asia | 1.83 | 2.86 | 2.93 | 2.81 | 3.37 | 3.25 |
| North West Pacific and East Asia | 43.79 | 49.55 | 59.45 | 70.22 | 84.16 | 98.06 |
| South Asia | 34.30 | 38.78 | 42.98 | 49.42 | 56.55 | 64.12 |
| South East Asia | 16.94 | 18.95 | 21.16 | 23.35 | 26.27 | 29.30 |
| South Pacific | 0.26 | 0.28 | 0.31 | 0.34 | 0.37 | 0.40 |
| EUROPE | 72.64 | 77.32 | 84.18 | 81.92 | 83.76 | 73.94 |
| Central Europe | 12.00 | 13.93 | 15.76 | 15.80 | 14.26 | 12.86 |
| Eastern Europe | 26.35 | 31.03 | 33.40 | 32.98 | 34.07 | 22.02 |
| Western Europe | 34.29 | 32.35 | 35.02 | 33.15 | 35.44 | 39.06 |
| LATIN AMERICA AND CARIBBEAN | 13.83 | 14.94 | 16.77 | 17.86 | 18.97 | 21.04 |
| Caribbean | 1.94 | 1.78 | 1.92 | 1.89 | 2.14 | 2.02 |
| Meso-America | 3.14 | 3.82 | 4.38 | 4.85 | 5.46 | 5.70 |
| South America | 8.75 | 9.34 | 10.48 | 11.12 | 11.37 | 13.31 |
| NORTH AMERICA | 40.96 | 43.74 | 48.16 | 75.58 | 116.78 | 122.81 |
| North America | 40.96 | 43.74 | 48.16 | 75.58 | 116.78 | 122.81 |
| POLAR | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Antarctic | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Arctic | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WEST ASIA | 1.58 | 1.85 | 2.78 | 3.41 | 3.76 | 4.27 |
| Arabian Peninsula | 1.02 | 1.15 | 1.86 | 2.21 | 2.28 | 2.55 |
| Mashriq | 0.56 | 0.70 | 0.92 | 1.19 | 1.48 | 1.71 |
| GLOBAL TOTALS | 250.96 | 276.68 | 311.34 | 361.78 | 436.77 | 466.13 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 220.51 | 276.88 | 311.59 | 362.20 | 439.58 | 469.38 |

Comments:

Emissions of N₂O - energy (RIVM). "energy" comprises combustion of fossil fuels and biofuels (IPCC category 1.A and 1.B) as follows: industrial sector (IPCC 1.A.2); power generation (IPCC 1.A.1(a)); other transformation sector (all) (IPCC 1.A.1(b,c)); residential, commercials and other sector (IPCC 1.A.4); transport road (IPCC 1.A.3(b)); transport land non-road (IPCC 1.A.3(c, d-ii,e)); transport air (all) (IPCC 1.A.3(a)); transport international shipping (IPCC 1.A.3(d-l)); oil production, handling and flaring (IPCC 1.B.2(a,c)); industry v3 (IPCC 1.A.2); power generation (IPCC 1.A.1(a)); charcoal production (IPCC 1.B.1(b)); residential (IPCC 1.A.4); transport road (IPCC 1.A.3(b)).

The EDGAR set of inventories were compiled from the perspective of providing good quality reference estimates of anthropogenic emission sources per source category, based on scientifically sound input data. This was done by using (a) international statistics as activity data, since these are comparable between countries in definition and units, (b) emission factors from the scientific literature, also common across countries when judged comparable, and (c) grid maps for allocating sectoral emissions of a country to a grid. EDGAR 3.2 by RIVM/TNO (Olivier, J.G.J. and Berdowski, J.J.M., 2001, Global Emission Sources and Sinks. In: J. Berdowski, R. Guicherit and B.J. Heij (eds.), The Climate System: 33-77. Lisse: Swets and Zeitlinger Publishers).

For more detailed information about the EDGAR 3.2 database and data source see:
<http://www.rivm.nl/env/int/coredata/edgar/index.html>.

1 thousand metric tonne corresponds to 1 gigagram.

Emissions of N₂O - Total (RIVM)

Units: thousand metric tonnes of N₂O

Data Source: Emission Database for Global Atmospheric Research (EDGAR 3.2)

Data Provider: Netherlands Organisation for Applied Scientific Research (TNO)
and National Institute of Public Health and the Environment (RIVM)

Years: 1970, 1975, ..., 1995

| | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 |
|---|---------|---------|----------|----------|----------|----------|
| AFRICA | 1015.51 | 1067.26 | 1179.86 | 1230.28 | 1342.55 | 1385.61 |
| Central Africa | 107.45 | 107.64 | 119.47 | 121.28 | 135.62 | 141.63 |
| Eastern Africa | 285.33 | 296.23 | 313.76 | 342.72 | 355.76 | 347.27 |
| Northern Africa | 196.13 | 219.84 | 244.66 | 262.23 | 278.08 | 294.70 |
| Southern Africa | 223.28 | 240.01 | 260.22 | 254.29 | 272.75 | 263.18 |
| Western Africa | 171.34 | 170.82 | 204.42 | 212.53 | 263.24 | 301.42 |
| Western Indian Ocean | 32.00 | 32.72 | 37.33 | 37.23 | 37.09 | 37.41 |
| ASIA AND PACIFIC | 2312.84 | 2607.88 | 3031.14 | 3361.93 | 3967.81 | 4436.71 |
| Australia and New Zealand | 444.38 | 449.27 | 420.10 | 430.31 | 452.38 | 406.99 |
| Central Asia | 142.81 | 165.61 | 172.09 | 182.57 | 170.21 | 125.24 |
| North West Pacific and East Asia | 758.99 | 902.69 | 1208.01 | 1279.82 | 1647.21 | 1947.29 |
| South Asia | 635.28 | 742.26 | 838.98 | 1011.36 | 1186.75 | 1367.93 |
| South East Asia | 318.61 | 333.51 | 373.24 | 434.90 | 479.57 | 546.11 |
| South Pacific | 12.78 | 14.54 | 18.73 | 22.98 | 31.69 | 43.15 |
| EUROPE | 2325.48 | 2707.30 | 2810.56 | 2857.47 | 2615.42 | 2118.25 |
| Central Europe | 530.87 | 638.88 | 653.12 | 633.61 | 556.23 | 439.92 |
| Eastern Europe | 525.75 | 622.48 | 666.08 | 745.22 | 689.28 | 373.27 |
| Western Europe | 1268.86 | 1445.94 | 1491.36 | 1478.63 | 1369.91 | 1305.06 |
| LATIN AMERICA AND CARIBBEAN | 1292.38 | 1437.09 | 1593.71 | 1646.79 | 1690.91 | 1738.34 |
| Caribbean | 73.50 | 68.64 | 78.40 | 81.71 | 78.54 | 63.88 |
| Meso-America | 216.82 | 243.04 | 264.67 | 293.00 | 291.61 | 275.92 |
| South America | 1002.06 | 1125.40 | 1250.64 | 1272.08 | 1320.76 | 1398.54 |
| NORTH AMERICA | 1383.68 | 1604.12 | 1611.57 | 1555.27 | 1546.10 | 1729.02 |
| North America | 1383.68 | 1604.12 | 1611.57 | 1555.27 | 1546.10 | 1729.02 |
| POLAR | 3.84 | 5.16 | 7.42 | 10.59 | 13.70 | 20.26 |
| Antarctic | 3.84 | 5.16 | 7.42 | 10.59 | 13.70 | 20.26 |
| Arctic | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WEST ASIA | 58.81 | 64.30 | 81.20 | 94.90 | 105.82 | 108.24 |
| Arabian Peninsula | 19.73 | 25.27 | 35.54 | 46.03 | 53.14 | 54.59 |
| Mashriq | 39.08 | 39.03 | 45.66 | 48.87 | 52.68 | 53.64 |
| GLOBAL TOTALS | 8392.53 | 9493.11 | 10315.46 | 10757.24 | 11282.31 | 11530.43 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 8362.76 | 9493.43 | 10315.89 | 10757.82 | 11264.24 | 11518.30 |

Comments:

Emissions of N₂O - total (RIVM) include "energy", "agriculture", "waste" and "others" EDGAR subdivisions. Energy comprises combustion of fossil fuels and biofuels (IPCC category 1.A and 1.B); agriculture comprises fertiliser use (synthetic and animal manure), animal waste management, agricultural waste burning (non-energy, on-site) and savannah burning (IPCC category 4); waste comprises human sewage discharge and waste incineration (non-energy) (IPCC category 6); others include industrial process emissions, N₂O usage and tropical and temperate forest fires (IPCC categories 2, 3 and 5).

The EDGAR set of inventories were compiled from the perspective of providing good quality reference estimates of anthropogenic emission sources per source category, based on scientifically sound input data. This was done by using (a) international statistics as activity data, since these are comparable between countries in definition and units, (b) emission factors from the scientific literature, also common across countries when judged comparable, and (c) grid maps for allocating sectoral emissions of a country to a grid. EDGAR 3.2 by RIVM/TNO (Olivier, J.G.J. and Berdowski, J.J.M., 2001, Global Emission Sources and Sinks. In: J. Berdowski, R. Guicherit and B.J. Heij (eds.), The Climate System: 33-77. Lisse: Swets and Zeitlinger Publishers).

For more detailed information about the EDGAR 3.2 database and data source see:
<http://www.rivm.nl/env/int/coredata/edgar/index.html>.

1 thousand metric tonne corresponds to 1 gigagram.

Emissions of CO - Total (RIVM)

Units: thousand metric tonnes of CO

Data Source: Emission Database for Global Atmospheric Research (EDGAR 3.2)

Data Provider: Netherlands Organisation for Applied Scientific Research (TNO)
and National Institute of Public Health and the Environment (RIVM)

Years: 1990, 1995

| | 1990 | 1995 |
|---|------------------|------------------|
| AFRICA | 177468.21 | 184603.43 |
| Central Africa | 36714.27 | 37419.44 |
| Eastern Africa | 19137.86 | 20223.88 |
| Northern Africa | 21067.59 | 21718.50 |
| Southern Africa | 55989.87 | 57883.29 |
| Western Africa | 41183.16 | 43833.86 |
| Western Indian Ocean | 3375.46 | 3524.45 |
| ASIA AND PACIFIC | 274307.85 | 288107.51 |
| Australia and New Zealand | 16022.50 | 16179.23 |
| Central Asia | 6994.38 | 3876.09 |
| North West Pacific and East Asia | 106349.58 | 111533.03 |
| South Asia | 76204.25 | 83512.85 |
| South East Asia | 66509.03 | 70655.21 |
| South Pacific | 2228.11 | 2351.09 |
| EUROPE | 145379.89 | 101944.91 |
| Central Europe | 21327.64 | 18071.53 |
| Eastern Europe | 70170.26 | 36817.67 |
| Western Europe | 53881.99 | 47055.71 |
| LATIN AMERICA AND CARIBBEAN | 128398.25 | 124563.16 |
| Caribbean | 3309.77 | 3182.36 |
| Meso-America | 20260.73 | 20927.23 |
| South America | 104827.75 | 100453.58 |
| NORTH AMERICA | 106910.35 | 142733.53 |
| North America | 106910.35 | 142733.53 |
| POLAR | 0.79 | 0.81 |
| Antarctic | ---- | ---- |
| Arctic | 0.63 | 0.65 |
| WEST ASIA | 8616.72 | 10461.30 |
| Arabian Peninsula | 5175.38 | 6603.13 |
| Mashriq | 3441.33 | 3858.17 |
| GLOBAL TOTALS | 841082.05 | 852414.64 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 841082.16 | 852414.69 |

Comments:

Emissions of CO (carbon monoxide) - total (RIVM) include the following EDGAR subdivisions: "fuel combustion", "biofuel combustion", "fugitive", "industry", "solvent use", "agriculture", "waste" and "others". Fuel combustion refers to fossil fuel combustion and evaporation of NMVOC in road transport (part of IPCC category 1.A); biofuel combustion refers to traditional biofuels as well as to wood waste, paper, ethanol, etc. (part of IPCC category 1.A); fugitive comprises flaring and venting of associated gas in oil and gas production, handling/transmission losses of oil and charcoal production (IPCC category 1.B); industry refers to non-combustion industrial processes, excluding solvent use (IPCC category 2); solvent use refers to solvent use in industry and non-industry sectors (IPCC category 3); agriculture comprises agricultural waste burning (non-energy, on-site) and savannah burning (IPCC category 4); waste comprises waste incineration (non-energy) (uncontrolled residential burning and controlled non-residential burning) and hazardous waste handling (IPCC category 6); others comprises tropical forest fires and temperate forest fires (IPCC category 5.A).

The EDGAR set of inventories were compiled from the perspective of providing good quality reference estimates of anthropogenic emission sources per source category, based on scientifically sound input data. This was done by using (a) international statistics as activity data, since these are comparable between countries in definition and units, (b) emission factors from the scientific literature, also common across countries when judged comparable, and (c) grid maps for allocating sectoral emissions of a country to a grid. EDGAR 3.2 by RIVM/TNO (Olivier, J.G.J. and Berdowski, J.J.M., 2001, Global Emission Sources and Sinks. In: J. Berdowski, R. Guicherit and B.J. Heij (eds.), The Climate System: 33-77. Lisse: Swets and Zeitlinger Publishers).

For more detailed information about the EDGAR 3.2 database and data source see:
<http://www.rivm.nl/env/int/coredata/edgar/index.html>.

1 thousand metric tonne corresponds to 1 gigagram.

Emissions of Non-Methane Volatile Organic Compounds (NMVOC) - Total (RIVM)

Units: thousand metric tonnes of NMVOC

Data Source: Emission Database for Global Atmospheric Research (EDGAR 3.2)

Data Provider: Netherlands Organisation for Applied Scientific Research (TNO)
and National Institute of Public Health and the Environment (RIVM)

Years: 1990, 1995

| | 1990 | 1995 |
|---|------------------|------------------|
| AFRICA | 19058.02 | 20142.40 |
| Central Africa | 3003.52 | 3096.99 |
| Eastern Africa | 1867.72 | 1993.57 |
| Northern Africa | 3966.55 | 4119.15 |
| Southern Africa | 4943.08 | 5214.22 |
| Western Africa | 4978.38 | 5398.63 |
| Western Indian Ocean | 298.78 | 319.85 |
| ASIA AND PACIFIC | 43955.51 | 48075.03 |
| Australia and New Zealand | 2536.40 | 2563.94 |
| Central Asia | 1857.01 | 1311.08 |
| North West Pacific and East Asia | 17780.46 | 19512.72 |
| South Asia | 12217.14 | 13676.18 |
| South East Asia | 9349.32 | 10768.79 |
| South Pacific | 215.19 | 242.31 |
| EUROPE | 43404.23 | 36782.04 |
| Central Europe | 4072.57 | 3775.40 |
| Eastern Europe | 22917.49 | 16054.36 |
| Western Europe | 16414.17 | 16952.28 |
| LATIN AMERICA AND CARIBBEAN | 15691.05 | 16823.42 |
| Caribbean | 675.72 | 646.91 |
| Meso-America | 3857.39 | 4033.43 |
| South America | 11157.95 | 12143.08 |
| NORTH AMERICA | 23228.31 | 28686.80 |
| North America | 23228.31 | 28686.80 |
| POLAR | 1.29 | 1.33 |
| Antarctic | 0.04 | 0.04 |
| Arctic | 1.25 | 1.28 |
| WEST ASIA | 7906.03 | 9123.39 |
| Arabian Peninsula | 6303.80 | 8026.61 |
| Mashriq | 1602.23 | 1096.79 |
| GLOBAL TOTALS | 153244.45 | 159634.41 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 153244.49 | 159634.43 |

Comments:

Emissions of NMVOC (Non-Methane Volatile Organic Compounds) - total (RIVM) include the following EDGAR subdivisions: "fuel combustion", "biofuel combustion", "fugitive", "industry", "solvent use", "agriculture", "waste" and "others". Fuel combustion refers to fossil fuel combustion and evaporation of NMVOC in road transport (part of IPCC category 1.A); biofuel combustion refers to traditional biofuels as well as to wood waste, paper, ethanol, etc. (part of IPCC category 1.A); fugitive comprises flaring and venting of associated gas in oil and gas production, handling/transmission losses of oil and charcoal production (IPCC category 1.B); industry refers to non-combustion industrial processes, excluding solvent use (IPCC category 2); solvent use refers to solvent use in industry and non-industry sectors (IPCC category 3); agriculture comprises agricultural waste burning (non-energy, on-site) and savannah burning (IPCC category 4); waste comprises waste incineration (non-energy) (uncontrolled residential burning and controlled non-residential burning) and hazardous waste handling (IPCC category 6); others comprises tropical forest fires and temperate forest fires (IPCC category 5.A).

The EDGAR set of inventories were compiled from the perspective of providing good quality reference estimates of anthropogenic emission sources per source category, based on scientifically sound input data. This was done by using (a) international statistics as activity data, since these are comparable between countries in definition and units, (b) emission factors from the scientific literature, also common across countries when judged comparable, and (c) grid maps for allocating sectoral emissions of a country to a grid. EDGAR 3.2 by RIVM/TNO (Olivier, J.G.J. and Berdowski, J.J.M., 2001, Global Emission Sources and Sinks. In: J. Berdowski, R. Guichet and B.J. Heij (eds.), The Climate System: 33-77. Lisse: Swets and Zeitlinger Publishers).

For more detailed information about the EDGAR 3.2 database and data source see:
<http://www.rivm.nl/env/int/coredata/edgar/index.html>.

1 thousand metric tonne corresponds to 1 gigagram.

Emissions of NO_x - Total (RIVM)

Units: thousand metric tonnes of NO_x

Data Source: Emission Database for Global Atmospheric Research (EDGAR 3.2)

Data Provider: Netherlands Organisation for Applied Scientific Research (TNO)
and National Institute of Public Health and the Environment (RIVM)

Years: 1990, 1995

| | 1990 | 1995 |
|---|----------|----------|
| AFRICA | 9981.26 | 10416.71 |
| Central Africa | 1616.65 | 1637.07 |
| Eastern Africa | 890.22 | 923.99 |
| Northern Africa | 1547.47 | 1699.34 |
| Southern Africa | 3877.70 | 4023.63 |
| Western Africa | 1892.86 | 1972.93 |
| Western Indian Ocean | 156.36 | 159.76 |
| ASIA AND PACIFIC | 25431.70 | 32646.08 |
| Australia and New Zealand | 1967.58 | 2076.68 |
| Central Asia | 1158.15 | 1071.08 |
| North West Pacific and East Asia | 13199.12 | 17789.17 |
| South Asia | 5799.27 | 7519.21 |
| South East Asia | 3218.34 | 4095.72 |
| South Pacific | 89.24 | 94.22 |
| EUROPE | 32218.14 | 23126.50 |
| Central Europe | 4571.51 | 3727.64 |
| Eastern Europe | 13371.82 | 7984.11 |
| Western Europe | 14274.82 | 11414.75 |
| LATIN AMERICA AND CARIBBEAN | 8529.24 | 9311.25 |
| Caribbean | 539.42 | 531.24 |
| Meso-America | 1861.11 | 2057.79 |
| South America | 6128.70 | 6722.22 |
| NORTH AMERICA | 21513.29 | 21799.77 |
| North America | 21513.29 | 21799.77 |
| POLAR | 2.91 | 2.99 |
| Antarctic | 0.53 | 0.53 |
| Arctic | 2.38 | 2.46 |
| WEST ASIA | 1605.71 | 1967.36 |
| Arabian Peninsula | 986.63 | 1210.21 |
| Mashriq | 619.09 | 757.14 |
| GLOBAL TOTALS | 99282.25 | 99270.66 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 99282.45 | 99270.83 |

Comments:

Emissions of NO_x (nitrogen oxides) - total (RIVM) include the following EDGAR subdivisions: "fuel combustion", "biofuel combustion", "fugitive", "industry", "solvent use", "agriculture", "waste" and "others". Fuel combustion refers to fossil fuel combustion and evaporation of NMVOC in road transport (part of IPCC category 1.A); biofuel combustion refers to traditional biofuels as well as to wood waste, paper, ethanol, etc. (part of IPCC category 1.A); fugitive comprises flaring and venting of associated gas in oil and gas production, handling/transmission losses of oil and charcoal production (IPCC category 1.B); industry refers to non-combustion industrial processes, excluding solvent use (IPCC category 2); Solvent use refers to solvent use in industry and non-industry sectors (IPCC category 3); agriculture comprises agricultural waste burning (non-energy, on-site) and savannah burning (IPCC category 4); waste comprises waste incineration (non-energy) (uncontrolled residential burning and controlled non-residential burning) and hazardous waste handling (IPCC category 6); others comprises tropical forest fires and temperate forest fires (IPCC category 5.A).

The EDGAR set of inventories were compiled from the perspective of providing good quality reference estimates of anthropogenic emission sources per source category, based on scientifically sound input data. This was done by using (a) international statistics as activity data, since these are comparable between countries in definition and units, (b) emission factors from the scientific literature, also common across countries when judged comparable, and (c) grid maps for allocating sectoral emissions of a country to a grid. EDGAR 3.2 by RIVM/TNO (Olivier, J.G.J. and Berdowski, J.J.M., 2001, Global emission sources and sinks. In: J. Berdowski, R. Guichérit and B.J. Heij (eds.), The Climate System: 33-77. Lisse: Swets and Zeitlinger Publishers).

For more detailed information about the EDGAR 3.2 database and data source see:
<http://www.rivm.nl/env/int/coredata/edgar/index.html>.

1 thousand metric tonne corresponds to 1 gigagram.

Emissions of SO₂ - Total (RIVM)

Units: thousand metric tonnes of SO₂

Data Source: Emission Database for Global Atmospheric Research (EDGAR 3.2)

Data Provider: Netherlands Organisation for Applied Scientific Research (TNO)
and National Institute of Public Health and the Environment (RIVM)

Years: 1990, 1995

| | 1990 | 1995 |
|---|------------------|------------------|
| AFRICA | 7682.18 | 6876.34 |
| Central Africa | 701.91 | 474.54 |
| Eastern Africa | 284.36 | 303.20 |
| Northern Africa | 1599.29 | 1663.79 |
| Southern Africa | 4049.52 | 3280.59 |
| Western Africa | 997.21 | 1097.88 |
| Western Indian Ocean | 49.90 | 56.34 |
| ASIA AND PACIFIC | 47375.05 | 59169.43 |
| Australia and New Zealand | 1561.05 | 1658.55 |
| Central Asia | 3329.71 | 2624.51 |
| North West Pacific and East Asia | 32407.40 | 42316.80 |
| South Asia | 6990.55 | 8727.12 |
| South East Asia | 3049.66 | 3802.54 |
| South Pacific | 36.67 | 39.91 |
| EUROPE | 63614.57 | 42591.14 |
| Central Europe | 15566.82 | 12684.38 |
| Eastern Europe | 24248.16 | 13065.50 |
| Western Europe | 23799.58 | 16841.26 |
| LATIN AMERICA AND CARIBBEAN | 8804.55 | 10083.71 |
| Caribbean | 630.29 | 586.42 |
| Meso-America | 2240.82 | 2435.39 |
| South America | 5933.44 | 7061.89 |
| NORTH AMERICA | 24982.24 | 20902.83 |
| North America | 24982.24 | 20902.83 |
| POLAR | 0.19 | 0.18 |
| Antarctic | 0.02 | 0.02 |
| Arctic | 0.17 | 0.16 |
| WEST ASIA | 1821.31 | 2251.59 |
| Arabian Peninsula | 1067.02 | 1309.33 |
| Mashriq | 754.30 | 942.26 |
| GLOBAL TOTALS | 154280.08 | 141875.21 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 154280.31 | 141875.42 |

Comments:

Emissions of SO₂ (sulphur dioxide) - total (RIVM) include the following EDGAR subdivisions: "fuel combustion", "biofuel combustion", "fugitive", "industry", "solvent use", "agriculture", "waste" and "others". Fuel combustion refers to fossil fuel combustion and evaporation of NMVOC in road transport (part of IPCC category 1.A); biofuel combustion refers to traditional biofuels as well as to wood waste, paper, ethanol, etc. (part of IPCC category 1.A); fugitive comprises flaring and venting of associated gas in oil and gas production, handling / transmission losses of oil and charcoal production (IPCC category 1.B); industry refers to non-combustion industrial processes, excluding solvent use (IPCC category 2); solvent use refers to solvent use in industry and non-industry sectors (IPCC category 3); agriculture comprises agricultural waste burning (non-energy, on-site) and savannah burning (IPCC category 4); waste comprises waste incineration (non-energy) (uncontrolled residential burning and controlled non-residential burning) and hazardous waste handling (IPCC category 6); others comprises tropical forest fires and temperate forest fires (IPCC category 5.A).

The EDGAR set of inventories were compiled from the perspective of providing good quality reference estimates of anthropogenic emission sources per source category, based on scientifically sound input data. This was done by using (a) international statistics as activity data, since these are comparable between countries in definition and units, (b) emission factors from the scientific literature, also common across countries when judged comparable, and (c) grid maps for allocating sectoral emissions of a country to a grid. EDGAR 3.2 by RIVM/TNO (Olivier, J.G.J. and Berdowski, J.J.M., 2001, Global emission sources and sinks. In: J. Berdowski, R. Guicherit and B.J. Heij (eds.), The Climate System: 33-77. Lisse: Swets and Zeitlinger Publishers).

For more detailed information about the EDGAR 3.2 database and data source see:
<http://www.rivm.nl/env/int/coredata/edgar/index.html>.

1 thousand metric tonne corresponds to 1 gigagram.

Emissions of N₂O - from Agricultural Soils (UNFCCC)

Units: gigagrams of N₂O

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| AFRICA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Australia and New Zealand | 83.72 | 83.70 | 83.30 | 84.55 | 85.25 | 84.52 | 83.83 | 86.89 | 89.05 |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | 1015.16 | 897.01 | 842.55 | 805.14 | 811.13 | 811.41 | 821.18 | 799.72 | 856.96 |
| Central Europe | 179.19 | 131.82 | 121.32 | 110.97 | 107.83 | 108.70 | 99.72 | 74.29 | 133.54 |
| Eastern Europe | 199.00 | --- | --- | --- | 111.00 | 111.00 | 105.00 | --- | --- |
| Western Europe | 636.96 | 613.19 | 593.23 | 580.17 | 592.29 | 591.71 | 616.46 | 620.42 | 618.42 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NORTH AMERICA | 1006.95 | 1018.98 | 1039.17 | 1032.98 | 1112.71 | 1077.11 | 1106.83 | 1126.96 | 1122.66 |
| North America | 1006.95 | 1018.98 | 1039.17 | 1032.98 | 1112.71 | 1077.11 | 1106.83 | 1126.96 | 1122.66 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| SUM OF ANNEX I PARTIES (INCLUDES ESTIMATIONS) | 2109.61 | 2003.26 | 1968.59 | 1926.22 | 2012.58 | 1976.31 | 2013.94 | 2014.62 | 2069.56 |

Comments:

The 39 countries included in the database allow aggregations for five GEO sub-regions (Central, Eastern and Western Europe, North America and Australia + New Zealand) and two regions (Europe and North America) only. Data for the sub-region of Central Europe excludes data for: Albania, Bosnia and Herzegovina, Cyprus, the former Yugoslav Republic of Macedonia, Turkey and Yugoslavia. Data for the sub-region of Eastern Europe excludes data for: Armenia, Azerbaijan, Belarus, Georgia and the Republic of Moldova. Emissions of N₂O (Nitrous Oxide) from agriculture include emissions from manure management, agricultural soils, prescribed burning of savannas, field burning of agricultural residues and other.

Annex I Parties - the industrialized countries listed in this annex to the Climate Change Convention tried to return their greenhouse gas emissions to 1990 levels by the year 2000. They have also accepted emission targets for the period 2008-12. They include the following members Australia, Austria, Belarus, Belgium, Bulgaria, Canada, Czech Republic, Denmark, European Economic Community, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Latvia, Lithuania, Luxembourg, Netherlands, New Zealand, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, United Kingdom of Great Britain and Northern Ireland and the United States of America.

Greenhouse gases (GHGs) - the major anthropogenic GHGs responsible for causing climate change are carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O). The Kyoto Protocol also addresses hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulphur hexafluoride (SF₆).

For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

1 gigagram corresponds to 1 thousand metric tonne.

AGGREGATIONS

Emissions of N₂O - from Agriculture (UNFCCC)

Units: gigagrams of N₂O

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| AFRICA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Australia and New Zealand | 97.88 | 97.92 | 97.31 | 99.28 | 100.53 | 100.86 | 100.91 | 104.19 | 108.34 |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | 1151.81 | 1035.73 | 966.47 | 925.92 | 918.15 | 917.68 | 938.55 | 911.03 | 969.25 |
| Central Europe | 187.36 | 139.27 | 127.73 | 116.39 | 112.50 | 113.42 | 111.05 | 80.04 | 140.29 |
| Eastern Europe | 228.00 | --- | --- | --- | 119.60 | 120.40 | 110.90 | --- | --- |
| Western Europe | 736.46 | 707.06 | 687.44 | 675.83 | 686.04 | 683.87 | 716.59 | 719.49 | 717.56 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NORTH AMERICA | 1061.51 | 1076.11 | 1096.27 | 1091.86 | 1173.95 | 1138.40 | 1169.59 | 1191.11 | 1187.63 |
| North America | 1061.51 | 1076.11 | 1096.27 | 1091.86 | 1173.95 | 1138.40 | 1169.59 | 1191.11 | 1187.63 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| SUM OF ANNEX I PARTIES (INCLUDES ESTIMATIONS) | 2320.46 | 2218.81 | 2169.08 | 2126.07 | 2201.45 | 2165.46 | 2216.68 | 2212.83 | 2271.73 |

Comments:

Emissions of N₂O (nitrous oxide) from agriculture include emissions from manure management, agricultural soils, prescribed burning of savannas, field burning of agricultural residues and other. The data is based on the national greenhouse gas inventories given by the parties of the Climate Change Convention Secretariat. This data is submitted to the Climate Change Secretariat by national communications under the Convention by the Annex I parties.

Annex I Parties - the industrialized countries listed in this annex to the Climate Change Convention tried to return their greenhouse gas emissions to 1990 levels by the year 2000. They have also accepted emission targets for the period 2008-12. They include the following members Australia, Austria, Belarus, Belgium, Bulgaria, Canada, Czech Republic, Denmark, European Economic Community, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Latvia, Lithuania, Luxembourg, Netherlands, New Zealand, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, United Kingdom of Great Britain and Northern Ireland and the United States of America.

Greenhouse gases (GHGs) - the major anthropogenic GHGs responsible for causing climate change are carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O). The Kyoto Protocol also addresses hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulphur hexafluoride (SF₆).

For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

1 gigagram corresponds to 1 thousand metric tonne.

Emissions of N₂O - from Fuel Combustion (UNFCCC)

Units: gigagrams of N₂O

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| AFRICA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Australia and New Zealand | 8.48 | 9.21 | 10.45 | 11.44 | 12.45 | 13.48 | 14.28 | 15.14 | 15.98 |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | 264.65 | 244.46 | 242.43 | 240.76 | 241.36 | 251.98 | 244.53 | 247.06 | 227.11 |
| Central Europe | 71.16 | 52.53 | 52.20 | 51.56 | 50.53 | 50.74 | 38.86 | 37.86 | 34.42 |
| Eastern Europe | 24.10 | 16.90 | 15.00 | 14.30 | 11.80 | 11.80 | 10.26 | --- | --- |
| Western Europe | 169.39 | 175.03 | 175.24 | 174.91 | 179.03 | 189.44 | 195.41 | 199.04 | 182.53 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NORTH AMERICA | 235.70 | 245.36 | 261.46 | 273.95 | 284.59 | 289.72 | 292.51 | 291.23 | 289.69 |
| North America | 235.70 | 245.36 | 261.46 | 273.95 | 284.59 | 289.72 | 292.51 | 291.23 | 289.69 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| SUM OF ANNEX I PARTIES (INCLUDES ESTIMATIONS) | 528.17 | 519.02 | 534.87 | 546.84 | 560.12 | 578.54 | 574.90 | 577.25 | 556.85 |

Comments:

Emissions of N₂O (nitrous oxide) - from fuel combustion derives from energy industries, manufacturing industries and construction, transport, other sectors. The data is based on the national greenhouse gas inventories given by the parties of the Climate Change Convention Secretariat. This data is submitted to the Climate Change Secretariat by national communications under the Convention by the Annex I parties.

Annex I Parties - the industrialized countries listed in this annex to the Climate Change Convention tried to return their greenhouse gas emissions to 1990 levels by the year 2000. They have also accepted emission targets for the period 2008-12. They include the following members Australia, Austria, Belarus, Belgium, Bulgaria, Canada, Czech Republic, Denmark, European Economic Community, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Latvia, Lithuania, Luxembourg, Netherlands, New Zealand, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, United Kingdom of Great Britain and Northern Ireland and the United States of America.

Greenhouse gases (GHGs) - the major anthropogenic GHGs responsible for causing climate change are carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O). The Kyoto Protocol also addresses hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulphur hexafluoride (SF₆).

For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

1 gigagram corresponds to 1 thousand metric tonne.

Emissions of N₂O - from Industrial Processes (UNFCCC)

Units: gigagrams of N₂O

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| AFRICA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Australia and New Zealand | 1.62 | 1.51 | 1.83 | 1.60 | 1.39 | 1.40 | 1.56 | 1.56 | 1.65 |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | 449.26 | 414.72 | 384.96 | 344.78 | 363.94 | 363.46 | 374.74 | --- | --- |
| Central Europe | 58.83 | 31.16 | 31.37 | 29.58 | 32.23 | 37.01 | 36.39 | 37.92 | --- |
| Eastern Europe | 25.90 | 25.55 | 17.31 | 8.89 | 10.32 | 5.73 | 8.41 | 9.47 | 9.57 |
| Western Europe | 364.53 | 358.02 | 336.28 | 306.31 | 321.39 | 320.72 | 329.94 | 318.93 | 235.86 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NORTH AMERICA | 153.68 | 154.19 | 150.52 | 153.16 | 166.56 | 166.86 | 173.43 | 158.09 | 110.26 |
| North America | 153.68 | 154.19 | 150.52 | 153.16 | 166.56 | 166.86 | 173.43 | 158.09 | 110.26 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| SUM OF ANNEX I PARTIES (INCLUDES ESTIMATIONS) | 628.48 | 592.26 | 558.90 | 520.70 | 555.91 | 555.49 | 576.36 | 554.09 | 418.16 |

Comments:

Emissions of N₂O (nitrous oxide) from industrial processes include emissions from mineral products, chemical industry, metal production, other production and other sector. The data is based on the national greenhouse gas inventories given by the parties of the Climate Change Convention Secretariat. This data is submitted to the Climate Change Secretariat by national communications under the Convention by the Annex I parties.

Annex I Parties - the industrialized countries listed in this annex to the Climate Change Convention tried to return their greenhouse gas emissions to 1990 levels by the year 2000. They have also accepted emission targets for the period 2008-12. They include the following members Australia, Austria, Belarus, Belgium, Bulgaria, Canada, Czech Republic, Denmark, European Economic Community, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Latvia, Lithuania, Luxembourg, Netherlands, New Zealand, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, United Kingdom of Great Britain and Northern Ireland and the United States of America.

Greenhouse gases (GHGs) - the major anthropogenic GHGs responsible for causing climate change are carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O). The Kyoto Protocol also addresses hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulphur hexafluoride (SF₆).

For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

1 gigagram corresponds to 1 thousand metric tonne.

Emissions of N₂O - Total Anthropogenic (UNFCCC)

Units: gigagrams of N₂O

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

| | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| AFRICA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASIA AND PACIFIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Australia and New Zealand | 111.20 | 111.18 | 112.08 | 114.80 | 116.80 | 118.21 | 119.31 | 123.47 | 128.53 |
| Central Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| North West Pacific and East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South East Asia | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South Pacific | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EUROPE | 1920.78 | 1733.38 | 1635.08 | 1549.28 | 1571.05 | 1590.77 | 1619.87 | 1580.70 | 1543.10 |
| Central Europe | 319.33 | 211.62 | 199.18 | 186.87 | 184.73 | 190.26 | 177.73 | 145.88 | 209.60 |
| Eastern Europe | 283.70 | --- | --- | --- | 147.70 | 154.20 | 146.90 | --- | --- |
| Western Europe | 1317.74 | 1288.45 | 1247.60 | 1206.21 | 1238.62 | 1246.30 | 1295.24 | 1287.22 | 1185.70 |
| LATIN AMERICA AND CARIBBEAN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| South America | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NORTH AMERICA | 1482.73 | 1508.90 | 1541.68 | 1552.62 | 1657.78 | 1628.57 | 1668.84 | 1673.99 | 1621.34 |
| North America | 1482.73 | 1508.90 | 1541.68 | 1552.62 | 1657.78 | 1628.57 | 1668.84 | 1673.99 | 1621.34 |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |
| SUM OF ANNEX I PARTIES (INCLUDES ESTIMATIONS) | 3573.06 | 3410.13 | 3346.00 | 3273.52 | 3406.54 | 3399.76 | 3472.78 | 3443.87 | 3359.66 |

Comments:

Emissions of N₂O (nitrous oxide) - total anthropogenic are all the emissions of N₂O associated with human activities. These include emissions from fuel combustion, industrial processes, agriculture, waste, and other. The data is based on the national greenhouse gas inventories given by the parties of the Climate Change Convention Secretariat. This data is submitted to the Climate Change Secretariat by national communications under the Convention by the Annex I parties.

Annex I Parties - The industrialized countries listed in this annex to the Climate Change Convention tried to return their greenhouse gas emissions to 1990 levels by the year 2000. They have also accepted emission targets for the period 2008-12. They include the following members Australia, Austria, Belarus, Belgium, Bulgaria, Canada, Czech Republic, Denmark, European Economic Community, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Latvia, Lithuania, Luxembourg, Netherlands, New Zealand, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, United Kingdom of Great Britain and Northern Ireland and the United States of America.

Greenhouse gases (GHGs) - the major anthropogenic GHGs responsible for causing climate change are carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O). The Kyoto Protocol also addresses hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulphur hexafluoride (SF₆).

For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

1 gigagram corresponds to 1 thousand metric tonne.

Production of ODS: Carbon Tetrachloride

Units: ozone depleting potential (ODP) tonnes

Data Source: Production and Consumption of Ozone Depleting Substances 1986-2000

Data Provider: Secretariat for the Vienna Convention and the Montreal Protocol (the Ozone Secretariat)

Years: 1989-2000

| | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|------|
| AFRICA | --- | --- | --- | --- | --- | --- | 4931.30 | 0.00 | 0.00 | 0.00 | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | 0.00 | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | --- | --- |
| Northern Africa | 0.00 | --- | 0.00 | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| ASIA AND PACIFIC | 54169.50 | --- | --- | -15577.10 | -11515.82 | -31055.31 | -63132.00 | -54727.20 | 7916.71 | 41738.49 | 15935.40 | --- |
| Australia and New Zealand | 0.00 | --- | --- | -11485.10 | -11464.12 | -5639.81 | -3377.80 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Central Asia | 0.00 | --- | --- | --- | 0.00 | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| North West Pacific and East Asia | 49412.00 | --- | -1727.00 | -6050.00 | 984.50 | -33848.10 | -37966.50 | -34940.40 | 40.70 | 35124.10 | 38.50 | --- |
| South Asia | 4757.50 | --- | --- | 1958.00 | -1036.20 | 8432.60 | -21787.70 | -19786.80 | 7876.01 | 6614.39 | 15896.90 | --- |
| South East Asia | 0.00 | --- | --- | 0.00 | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| South Pacific | 0.00 | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| EUROPE | 213596.52 | --- | --- | 35074.60 | 7908.01 | 21901.44 | -6312.46 | -17849.59 | -1549.16 | 5895.65 | 634.21 | --- |
| Central Europe | 21124.02 | --- | --- | --- | 12535.71 | 11199.54 | --- | 2838.11 | -192.53 | 1993.62 | -672.70 | --- |
| Eastern Europe | 103290.00 | 1980.00 | -26950.00 | 2200.00 | 2200.00 | 3372.60 | 2749.93 | 746.90 | -2178.55 | 2853.73 | 346.61 | --- |
| Western Europe | 89182.50 | --- | --- | 32874.60 | -6827.70 | 7329.30 | -13728.00 | -21434.60 | 821.92 | 1048.30 | --- | --- |
| LATIN AMERICA AND CARIBBEAN | 56830.40 | 21436.36 | --- | 32757.12 | 30638.52 | 2281.40 | -5242.08 | -2907.30 | -1245.20 | 16525.30 | 11350.90 | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | 4668.40 | -5470.30 | -6512.00 | -6546.10 | -10472.00 | -9212.50 | -9887.90 | -8890.20 | 0.00 | 0.00 | 0.00 | --- |
| South America | 52162.00 | 26906.66 | --- | 39303.22 | 41110.52 | 11493.90 | 4645.82 | 5982.90 | -1245.20 | 16525.30 | 11350.90 | --- |
| NORTH AMERICA | 85345.70 | --- | --- | 18973.90 | 23203.40 | 18868.30 | 11485.10 | -689.70 | 14.30 | 2.20 | 18.70 | --- |
| North America | 85345.70 | --- | --- | 18973.90 | 23203.40 | 18868.30 | 11485.10 | -689.70 | 14.30 | 2.20 | 18.70 | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Production means the amount of controlled substances produced, minus the amount destroyed by technologies approved by the parties (to the Montreal Protocol on Substances that Deplete the Ozone Layer) and minus the amount entirely used as feedstock in the manufacture of other chemicals. The amount recycled and reused is not to be considered as production. The data forms prescribe reporting of feedstock use and of quantities destroyed separately, and reporting of total production without deduction. The Ozone Secretariat would make the necessary deduction.

The data is reported to the Ozone Secretariat by the parties to the Montreal Protocol on Substances that Deplete the Ozone Layer. Annex B, group II: carbon tetrachloride comprises CCl₄.

Some of the figures may be negative since the figures are for each calendar year, it is quite possible that in some years the feedstock figure may exceed the production figure of that year, if the feedstock use is from a carry-over stock. The production could be negative in such cases. For the same reason, the consumption could also be negative.

Production of ODS: Chlorofluorocarbons

Units: ozone depleting potential (ODP) tonnes

Data Source: Production and Consumption of Ozone Depleting Substances 1986-2000

Data Provider: Secretariat for the Vienna Convention and the Montreal Protocol (the Ozone Secretariat)

Years: 1989-2000

| | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|---------|--------|---------|---------|----------|----------|----------|----------|----------|----------|---------|------|
| AFRICA | --- | --- | --- | --- | --- | --- | 56.76 | 0.00 | 0.00 | 0.00 | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | 0.00 | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | --- | --- |
| Northern Africa | 0.00 | --- | 0.00 | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| ASIA AND PACIFIC | 2511.80 | --- | 3225.93 | 5689.17 | 5077.90 | 7382.33 | 5605.31 | 5750.74 | 4966.49 | 8702.37 | --- | --- |
| Australia and New Zealand | 132.36 | --- | 123.86 | 170.01 | 95.39 | 84.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Central Asia | 0.00 | --- | --- | --- | 0.00 | --- | --- | 0.00 | 0.00 | 0.00 | --- | --- |
| North West Pacific and East Asia | 2260.51 | --- | 2697.27 | 2896.31 | 5254.12 | 4716.53 | 6983.66 | 5324.86 | 5750.74 | 4966.49 | 8702.37 | --- |
| South Asia | 118.93 | --- | 205.76 | 265.04 | 265.98 | 314.19 | 280.45 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| South East Asia | 0.00 | --- | 0.00 | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| South Pacific | 0.00 | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| EUROPE | 3905.05 | --- | 4575.50 | 5463.95 | 7316.48 | 9048.27 | 8951.72 | 9204.80 | 10335.94 | 9650.42 | --- | --- |
| Central Europe | 0.00 | --- | --- | 0.00 | 0.00 | 0.00 | --- | -46.26 | 0.00 | 0.00 | 0.00 | --- |
| Eastern Europe | 1194.00 | 436.50 | 425.50 | 267.16 | 172.00 | 198.12 | 184.20 | 74.41 | 72.26 | 67.10 | 146.27 | --- |
| Western Europe | 2711.05 | --- | 4308.34 | 5291.95 | 7118.36 | 8864.19 | 8923.57 | 9132.54 | 10268.84 | --- | --- | --- |
| LATIN AMERICA AND CARIBBEAN | 499.52 | 391.45 | --- | 435.79 | 515.10 | 453.04 | 415.37 | 504.96 | 523.36 | 438.54 | 371.96 | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | 208.45 | 138.27 | 160.49 | 102.96 | 158.13 | 126.39 | 117.76 | 296.67 | 303.32 | 238.54 | 328.96 | --- |
| South America | 291.07 | 253.18 | --- | 332.83 | 356.97 | 326.65 | 297.61 | 208.29 | 220.04 | 200.00 | 43.00 | --- |
| NORTH AMERICA | 6810.67 | --- | 5657.37 | 7227.81 | 12419.00 | 14951.75 | 12607.54 | 12602.61 | 15043.50 | 14728.61 | --- | --- |
| North America | 6810.67 | --- | 5657.37 | 7227.81 | 12419.00 | 14951.75 | 12607.54 | 12602.61 | 15043.50 | 14728.61 | --- | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Production means the amount of controlled substances produced, minus the amount destroyed by technologies approved by the parties (to the Montreal Protocol on Substances that Deplete the Ozone Layer) and minus the amount entirely used as feedstock in the manufacture of other chemicals. The amount recycled and reused is not to be considered as production. The data forms prescribe reporting of feedstock use and of quantities destroyed separately, and reporting of total production without deduction. The Ozone Secretariat would make the necessary deduction.

The data is reported to the Ozone Secretariat by the parties to the Montreal Protocol on Substances that Deplete the Ozone Layer. The Annex A, group I: chlorofluorocarbons (CFCs) comprise CFC₁, CF₂Cl₂, C₂F₃Cl₃, C₂F₄Cl₂, C₂F₅Cl.

Some of the figures may be negative since the figures are for each calendar year, it is quite possible that in some years the feedstock figure may exceed the production figure of that year, if the feedstock use is from a carry-over stock. The production could be negative in such cases. For the same reason, the consumption could also be negative.

Production of ODS: Hydrochlorofluorocarbons

Units: ozone depleting potential (ODP) tonnes

Data Source: Production and Consumption of Ozone Depleting Substances 1986-2000

Data Provider: Secretariat for the Vienna Convention and the Montreal Protocol (the Ozone Secretariat)

Years: 1989-2000

| | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|---------|--------|---------|---------|---------|----------|----------|----------|----------|----------|----------|------|
| AFRICA | --- | --- | --- | --- | --- | --- | 56.76 | 0.00 | 0.00 | 0.00 | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | 0.00 | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | --- | --- |
| Northern Africa | 0.00 | --- | 0.00 | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| ASIA AND PACIFIC | 2511.80 | --- | --- | 3225.93 | 5689.17 | 5077.90 | 7382.33 | 5605.31 | 5750.74 | 4966.49 | 8702.37 | --- |
| Australia and New Zealand | 132.36 | --- | --- | 123.86 | 170.01 | 95.39 | 84.48 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Central Asia | 0.00 | --- | --- | --- | 0.00 | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| North West Pacific and East Asia | 2260.51 | --- | 2697.27 | 2896.31 | 5254.12 | 4716.53 | 6983.66 | 5324.86 | 5750.74 | 4966.49 | 8702.37 | --- |
| South Asia | 118.93 | --- | --- | 205.76 | 265.04 | 265.98 | 314.19 | 280.45 | 0.00 | 0.00 | 0.00 | --- |
| South East Asia | 0.00 | --- | --- | 0.00 | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| South Pacific | 0.00 | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| EUROPE | 3905.05 | --- | --- | 4575.50 | 5463.95 | 7316.48 | 9048.27 | 8951.72 | 9204.80 | 10335.94 | 9650.42 | --- |
| Central Europe | 0.00 | --- | --- | --- | 0.00 | 0.00 | --- | -46.26 | 0.00 | 0.00 | 0.00 | --- |
| Eastern Europe | 1194.00 | 436.50 | 425.50 | 267.16 | 172.00 | 198.12 | 184.20 | 74.41 | 72.26 | 67.10 | 146.27 | --- |
| Western Europe | 2711.05 | --- | --- | 4308.34 | 5291.95 | 7118.36 | 8864.19 | 8923.57 | 9132.54 | 10268.84 | --- | --- |
| LATIN AMERICA AND CARIBBEAN | 499.52 | 391.45 | --- | 435.79 | 515.10 | 453.04 | 415.37 | 504.96 | 523.36 | 438.54 | 371.96 | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso- America | 208.45 | 138.27 | 160.49 | 102.96 | 158.13 | 126.39 | 117.76 | 296.67 | 303.32 | 238.54 | 328.96 | --- |
| South America | 291.07 | 253.18 | --- | 332.83 | 356.97 | 326.65 | 297.61 | 208.29 | 220.04 | 200.00 | 43.00 | --- |
| NORTH AMERICA | 6810.67 | --- | --- | 5657.37 | 7227.81 | 12419.00 | 14951.75 | 12607.54 | 12602.61 | 15043.50 | 14728.61 | --- |
| North America | 6810.67 | --- | --- | 5657.37 | 7227.81 | 12419.00 | 14951.75 | 12607.54 | 12602.61 | 15043.50 | 14728.61 | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Production means the amount of controlled substances produced, minus the amount destroyed by technologies approved by the parties (to the Montreal Protocol on Substances that Deplete the Ozone Layer) and minus the amount entirely used as feedstock in the manufacture of other chemicals. The amount recycled and reused is not to be considered as production. The data forms prescribe reporting of feedstock use and of quantities destroyed separately, and reporting of total production without deduction. The Ozone Secretariat would make the necessary deduction.

The data is reported to the Ozone Secretariat by the parties to the Montreal Protocol on Substances that Deplete the Ozone Layer. The Annex C, group I: hydrochlorofluorocarbons (HCFCs) comprise CHFCl₂, CHF₂Cl, CH₂FCl, C₂HFCl₄, C₂HF₂Cl₃, C₂HF₃Cl₂, CHCl₂CF₃, C₂HF₄Cl, CHFCICF₃, C₂H₂FCl₃, C₂H₂F₂Cl₂, C₂H₂F₃Cl, CH₃CFCl₂, C₂H₃F₂Cl, CH₃CF₂Cl, C₂H₄FCl, C₃HFCl₆, C₃HF₂Cl₅, C₃HF₃Cl₄, C₃HF₄Cl₃, C₃HF₅Cl₂, CF₃CF₂CHCl₂, CF₂ClCF₂CHClF, C₃HF₆Cl, C₃H₂FCl₅, C₃H₂F₂Cl₄, C₃H₂F₃Cl₃, C₃H₂F₄Cl₂, C₃H₂F₅Cl, C₃H₃FCl₄, C₃H₃F₂Cl₃, C₃H₃F₃Cl₂, C₃H₃F₄Cl, C₃H₄FCl₃, C₃H₄F₂Cl₂, C₃H₄F₃Cl, C₃H₅FCl₂, C₃H₆FCl.

Some of the figures may be negative since the figures are for each calendar year, it is quite possible that in some years the feedstock figure may exceed the production figure of that year, if the feedstock use is from a carry-over stock. The production could be negative in such cases. For the same reason, the consumption could also be negative.

Production of ODS: Methyl Chloroform

Units: ozone depleting potential (ODP) tonnes

Data Source: Production and Consumption of Ozone Depleting Substances 1986-2000

Data Provider: Secretariat for the Vienna Convention and the Montreal Protocol (the Ozone Secretariat)

Years: 1989-2000

| | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|----------|--------|----------|----------|----------|---------|---------|--------|---------|---------|---------|------|
| AFRICA | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | 0.00 | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | --- | --- |
| Northern Africa | 0.00 | --- | 0.00 | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| ASIA AND PACIFIC | 15683.10 | --- | --- | 15773.70 | 7221.35 | 388.90 | 5149.10 | 967.00 | 1183.10 | 1033.70 | 1170.30 | --- |
| Australia and New Zealand | 0.00 | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Central Asia | 0.00 | --- | --- | --- | 0.00 | --- | --- | 0.00 | 0.00 | 0.00 | --- | --- |
| North West Pacific and East Asia | 15636.40 | 44.00 | 17119.10 | 15725.40 | 7165.45 | 388.90 | 5149.10 | 967.00 | 1183.10 | 1033.70 | 1170.30 | --- |
| South Asia | 46.70 | --- | --- | 48.30 | 55.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| South East Asia | 0.00 | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| South Pacific | 0.00 | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| EUROPE | 13421.90 | --- | --- | 11361.40 | 5534.70 | 3044.47 | 1641.95 | 79.86 | 225.91 | 184.30 | 259.40 | --- |
| Central Europe | 27.20 | --- | --- | --- | 9.90 | 7.80 | --- | 12.90 | 2.91 | 0.00 | 0.00 | --- |
| Eastern Europe | 330.00 | 310.00 | 310.00 | 400.00 | 100.00 | 196.57 | 196.90 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Western Europe | 13064.70 | --- | --- | 10961.40 | 5424.80 | 2840.10 | 1439.00 | 66.96 | 223.00 | 184.30 | --- | --- |
| LATIN AMERICA AND CARIBBEAN | 1130.00 | 660.00 | --- | 750.00 | 764.00 | 39.20 | 0.00 | 0.00 | 0.00 | 0.00 | 97.20 | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| South America | 1130.00 | 660.00 | --- | 750.00 | 764.00 | 39.20 | 0.00 | 0.00 | 0.00 | 0.00 | 97.20 | --- |
| NORTH AMERICA | 32649.10 | --- | --- | 25722.60 | 20637.10 | 5794.60 | 4598.60 | 447.50 | 437.30 | 262.30 | 245.80 | --- |
| North America | 32649.10 | --- | --- | 25722.60 | 20637.10 | 5794.60 | 4598.60 | 447.50 | 437.30 | 262.30 | 245.80 | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Production means the amount of controlled substances produced, minus the amount destroyed by technologies approved by the parties (to the Montreal Protocol on Substances that Deplete the Ozone Layer) and minus the amount entirely used as feedstock in the manufacture of other chemicals. The amount recycled and reused is not to be considered as production. The data forms prescribe reporting of feedstock use and of quantities destroyed separately, and reporting of total production without deduction. The Ozone Secretariat would make the necessary deduction.

The data is reported to the Ozone Secretariat by the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer. The Annex B, group III: methyl chloroform comprises $C_2H_3Cl_3$ (this formula does not refer to 1,1,2-trichloroethane).

Some of the figures may be negative since the figures are for each calendar year, it is quite possible that in some years the feedstock figure may exceed the production figure of that year, if the feedstock use is from a carry-over stock. The production could be negative in such cases. For the same reason, the consumption could also be negative.

Production of ODS / Annex B, Group I: Other Fully Halogenated CFCs

Units: ozone depleting potential (ODP) tonnes

Data Source: Production and Consumption of Ozone Depleting Substances 1986-2000

Data Provider: Secretariat for the Vienna Convention and the Montreal Protocol (the Ozone Secretariat)

Years: 1989-2000

| | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|---------|--------|---------|---------|--------|---------|---------|---------|-------|-------|-------|------|
| AFRICA | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | --- | --- |
| Central Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Africa | 0.00 | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | --- | --- |
| Northern Africa | 0.00 | --- | 0.00 | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Southern Africa | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Western Africa | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Western Indian Ocean | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| ASIA AND PACIFIC | 2342.00 | --- | --- | 1600.00 | 808.00 | 136.00 | 35.00 | 17.00 | 27.00 | 26.00 | 27.00 | --- |
| Australia and New Zealand | 0.00 | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Central Asia | 0.00 | --- | --- | --- | 0.00 | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| North West Pacific and East Asia | 2342.00 | --- | 1585.00 | 1600.00 | 808.00 | 136.00 | 35.00 | 17.00 | 27.00 | 26.00 | 27.00 | --- |
| South Asia | 0.00 | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| South East Asia | 0.00 | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| South Pacific | 0.00 | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| EUROPE | 384.00 | --- | --- | --- | 51.60 | -145.50 | -257.77 | -126.00 | 75.00 | 13.05 | 16.50 | --- |
| Central Europe | 0.00 | --- | --- | --- | 0.00 | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Eastern Europe | 300.00 | 300.00 | 250.00 | 17.00 | 0.60 | 25.00 | 24.78 | 20.00 | 75.00 | 13.05 | 16.50 | --- |
| Western Europe | 84.00 | --- | --- | 20.00 | 51.00 | -170.50 | -282.00 | -146.00 | 0.00 | 0.00 | --- | --- |
| LATIN AMERICA AND CARIBBEAN | 0.00 | 0.00 | --- | 10.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Caribbean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Meso-America | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| South America | 0.00 | 0.00 | --- | 10.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| NORTH AMERICA | 577.00 | --- | --- | 75.00 | 106.00 | 101.00 | 38.00 | 0.00 | 0.00 | -1.00 | 0.00 | --- |
| North America | 577.00 | --- | --- | 75.00 | 106.00 | 101.00 | 38.00 | 0.00 | 0.00 | -1.00 | 0.00 | --- |
| POLAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Antarctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arctic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| WEST ASIA | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Arabian Peninsula | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 | --- | --- |
| Mashriq | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GLOBAL TOTALS | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

The data is reported to the Ozone Secretariat by the parties to the Montreal Protocol on Substances that Deplete the Ozone Layer. Annex B, group I: other fully halogenated CFCs comprise CF₃Cl, C₂FCl₅, C₂F₂Cl₄, C₃FCl₇, C₃F₂Cl₆, C₃F₃Cl₅, C₃F₄Cl₄, C₃F₅Cl₃, C₃F₆Cl₂, C₃F₇Cl.

1.8 Urban Areas

1.8.1 Health

Urban Population Water Comfort

The "Global Water Supply and Sanitation Assessment 2000 Report" did not provide standardized definitions of urban and rural, as none could be found that would be consistent with the range of definitions adopted locally. For more information see: http://www.who.int/water_sanitation_health/Globassessment/GlobalTOC.htm

Units: percent

Data Source: Global Water Supply and Sanitation Assessment 2000 Report

Data Provider: World Health Organization and United Nations Children's Fund Joint Monitoring Programme for Water Supply and Sanitation (JMP)

Years: 1990, 2000

Urban Population with Access to Improved Sanitation

| | 1990 | 2000 |
|---|---------------|---------------|
| AFRICA | 86.40 | 84.36 |
| Central Africa | ---- | 62.30 |
| Eastern Africa | 77.61 | 77.72 |
| Northern Africa | 94.78 | 95.05 |
| Southern Africa | ---- | 92.49 |
| Western Africa | 75.58 | 78.59 |
| Western Indian Ocean | 75.01 | 73.85 |
| ASIA AND PACIFIC | 64.02 | 76.08 |
| Australia and New Zealand | 100.00 | 100.00 |
| Central Asia | ---- | 100.00 |
| North West Pacific and East Asia | 57.00 | 69.48 |
| South Asia | 65.07 | 77.26 |
| South East Asia | 80.73 | 87.22 |
| South Pacific | ---- | 88.21 |
| EUROPE | ---- | ---- |
| Central Europe | ---- | ---- |
| Eastern Europe | ---- | ---- |
| Western Europe | ---- | ---- |
| LATIN AMERICA AND CARIBBEAN | 84.48 | 86.92 |
| Caribbean | ---- | 82.41 |
| Meso-America | 85.80 | 88.53 |
| South America | 86.20 | 86.78 |
| NORTH AMERICA | 100.00 | 100.00 |
| North America | 100.00 | 100.00 |
| POLAR | ---- | ---- |
| Antarctic | ---- | ---- |
| Arctic | ---- | ---- |
| WEST ASIA | ---- | 96.48 |
| Arabian Peninsula | ---- | 97.38 |
| Mashriq | ---- | 95.76 |
| GLOBAL TOTALS | 81.58 | 85.94 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 82.00 | 86.00 |

Comments:

The access to sanitation is defined in terms of the types of technology and levels of service afforded. This includes connection to a public sewer, connection to septic system, pour-flush latrine, simple pit latrine, ventilated improved pit latrine allowance was also made for other locally-defined technologies. Access to sanitation, does not imply that the level of service is "adequate" or "safe"; these terms were replaced with "improved".

Urban Population with Access to Improved Water Supply

| | 1990 | 2000 |
|---|---------------|---------------|
| AFRICA | 85.38 | 85.48 |
| Central Africa | ---- | 81.02 |
| Eastern Africa | 82.58 | 80.37 |
| Northern Africa | 92.90 | 94.53 |
| Southern Africa | ---- | 85.13 |
| Western Africa | 78.48 | 79.82 |
| Western Indian Ocean | 87.42 | 86.88 |
| ASIA AND PACIFIC | 95.66 | 93.21 |
| Australia and New Zealand | 100.00 | 100.00 |
| Central Asia | ---- | 97.08 |
| North West Pacific and East Asia | 99.00 | 94.36 |
| South Asia | 93.18 | 92.88 |
| South East Asia | 89.51 | 89.57 |
| South Pacific | ---- | 78.51 |
| EUROPE | ---- | ---- |
| Central Europe | ---- | ---- |
| Eastern Europe | ---- | 100.00 |
| Western Europe | ---- | ---- |
| LATIN AMERICA AND CARIBBEAN | 91.25 | 92.66 |
| Caribbean | ---- | 85.41 |
| Meso-America | 91.77 | 94.06 |
| South America | 92.63 | 92.82 |
| NORTH AMERICA | 100.00 | 100.00 |
| North America | 100.00 | 100.00 |
| POLAR | ---- | ---- |
| Antarctic | ---- | ---- |
| Arctic | ---- | ---- |
| WEST ASIA | ---- | 94.35 |
| Arabian Peninsula | ---- | 91.96 |
| Mashriq | ---- | 96.29 |
| GLOBAL TOTALS | 94.47 | 93.79 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 95.00 | 94.00 |

Comments:

The access to water supply is defined in terms of the types of technology and levels of service afforded. This included house connections, public standpipes, boreholes with handpumps, protected dug wells, protected springs and rainwater collection; allowance was also made for other locally-defined technologies. "Reasonable access" was broadly defined as the availability of at least 20 litres per person per day from a source within one kilometre of the user's dwelling. Access to water, does not imply that the level of service or quality of water is "adequate" or "safe"; these terms were replaced with "improved".

1.8.2 Urbanisation

Urban Population - Average Annual Growth Rate (Projection)

Units: percent per year

Data Source: World Urbanization Prospects: The 1999 Revision

Data Provider: United Nations Population Division/Department of Economic and Social Affairs

Years: 1950-1955, 1955-1960, ..., 2025-2030

| | 1950-55 | 1970-75 | 1990-95 | 1995-00 | 2000-05 | 2005-10 | 2010-15 | 2015-20 | 2020-25 | 2025-30 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| AFRICA | 4.48 | 4.34 | 4.25 | 3.98 | 3.72 | 3.47 | 3.26 | 3.07 | 2.84 | 2.58 |
| Central Africa | 4.07 | 3.77 | 4.50 | 3.88 | 4.18 | 4.25 | 4.08 | 3.90 | 3.59 | 3.22 |
| Eastern Africa | 5.58 | 5.16 | 5.18 | 5.13 | 4.75 | 4.54 | 4.34 | 4.10 | 3.83 | 3.53 |
| Northern Africa | 4.28 | 3.62 | 3.16 | 3.09 | 2.88 | 2.60 | 2.31 | 2.12 | 1.94 | 1.75 |
| Southern Africa | 3.69 | 4.20 | 4.66 | 4.04 | 3.43 | 3.04 | 2.97 | 2.94 | 2.74 | 2.51 |
| Western Africa | 5.59 | 5.56 | 4.76 | 4.47 | 4.15 | 3.85 | 3.52 | 3.18 | 2.88 | 2.58 |
| Western Indian Ocean | 5.36 | 4.38 | 4.87 | 4.56 | 4.30 | 4.07 | 3.87 | 3.58 | 3.25 | 2.87 |
| ASIA AND PACIFIC | 3.52 | 3.23 | 2.69 | 2.59 | 2.49 | 2.40 | 2.31 | 2.19 | 1.98 | 1.76 |
| Australia and New Zealand | 2.93 | 2.23 | 1.25 | 1.04 | 0.95 | 0.95 | 0.97 | 0.97 | 0.87 | 0.76 |
| Central Asia | 4.04 | 2.98 | 0.18 | 0.38 | 1.00 | 1.39 | 1.74 | 2.05 | 2.18 | 2.01 |
| North West Pacific and East Asia | 3.92 | 2.55 | 2.20 | 2.02 | 1.91 | 1.85 | 1.79 | 1.64 | 1.45 | 1.24 |
| South Asia | 2.84 | 4.02 | 3.13 | 3.12 | 3.05 | 3.00 | 2.89 | 2.80 | 2.53 | 2.27 |
| South East Asia | 3.72 | 4.19 | 3.84 | 3.57 | 3.17 | 2.82 | 2.50 | 2.24 | 1.97 | 1.78 |
| South Pacific | 5.51 | 4.51 | 3.40 | 3.44 | 3.47 | 3.42 | 3.35 | 3.23 | 2.94 | 2.68 |
| EUROPE | 2.13 | 1.55 | 0.79 | 0.59 | 0.51 | 0.44 | 0.37 | 0.28 | 0.20 | 0.12 |
| Central Europe | 4.12 | 2.96 | 1.60 | 1.44 | 1.26 | 1.08 | 0.93 | 0.76 | 0.65 | 0.54 |
| Eastern Europe | 3.55 | 1.96 | 0.41 | 0.20 | 0.21 | 0.24 | 0.20 | 0.08 | 0.00 | -0.05 |
| Western Europe | 1.25 | 0.98 | 0.68 | 0.46 | 0.35 | 0.26 | 0.21 | 0.17 | 0.08 | -0.02 |
| LATIN AMERICA AND CARIBBEAN | 4.46 | 3.74 | 2.36 | 2.11 | 1.89 | 1.69 | 1.51 | 1.34 | 1.20 | 1.07 |
| Caribbean | 3.09 | 3.22 | 1.89 | 1.66 | 1.56 | 1.46 | 1.38 | 1.27 | 1.17 | 1.03 |
| Meso-America | 4.39 | 4.22 | 2.32 | 2.16 | 2.01 | 1.85 | 1.73 | 1.61 | 1.47 | 1.31 |
| South America | 4.64 | 3.65 | 2.41 | 2.13 | 1.88 | 1.65 | 1.45 | 1.25 | 1.11 | 0.99 |
| NORTH AMERICA | 2.65 | 1.02 | 1.24 | 1.11 | 1.02 | 0.99 | 0.99 | 0.93 | 0.82 | 0.70 |
| North America | 2.65 | 1.02 | 1.24 | 1.11 | 1.02 | 0.99 | 0.99 | 0.93 | 0.82 | 0.70 |
| POLAR | 3.02 | 1.59 | 0.45 | 0.41 | 0.44 | 0.46 | 0.48 | 0.50 | 0.52 | 0.48 |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | 3.02 | 1.59 | 0.45 | 0.41 | 0.44 | 0.46 | 0.48 | 0.50 | 0.52 | 0.48 |
| WEST ASIA | 5.43 | 5.87 | 3.52 | 3.67 | 3.36 | 3.07 | 2.79 | 2.52 | 2.23 | 1.94 |
| Arabian Peninsula | 7.87 | 8.33 | 3.48 | 4.02 | 3.48 | 3.19 | 2.95 | 2.75 | 2.46 | 2.14 |
| Mashriq | 4.74 | 4.69 | 3.55 | 3.38 | 3.25 | 2.97 | 2.65 | 2.32 | 2.02 | 1.75 |
| GLOBAL TOTALS | 3.01 | 2.59 | 2.21 | 2.11 | 2.03 | 1.95 | 1.90 | 1.80 | 1.66 | 1.50 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 3.01 | 2.59 | 2.21 | 2.11 | 2.03 | 1.96 | 1.89 | 1.80 | 1.66 | 1.50 |

Comments:

Figures for 1950-1995 are estimates, and those for years beyond 1995 are projections. Estimates and projections are presented only for years that are multiples of five. The urban population data presented are consistent with the medium variant of the *1998 Revision of World Population Prospects*, the official United Nations population estimates and projections at the national level.

The urban population estimates are based on the varying national definitions of urban areas.

Urban Population - Percent of Total Population

Units: percent

Data Source: World Urbanization Prospects: The 1999 Revision

Data Provider: United Nations Population Division/Department of Economic and Social Affairs

Years: 1960-2000

| | 1960 | 1970 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | 18.48 | 23.11 | 27.40 | 32.10 | 32.67 | 33.25 | 33.83 | 34.41 | 34.98 | 35.57 | 36.16 | 36.74 | 37.31 | 37.89 |
| Central Africa | 19.20 | 26.47 | 29.34 | 31.69 | 32.03 | 32.37 | 32.70 | 33.04 | 33.38 | 33.82 | 34.27 | 34.72 | 35.17 | 35.60 |
| Eastern Africa | 6.66 | 9.03 | 11.93 | 15.53 | 16.02 | 16.51 | 17.02 | 17.51 | 17.98 | 18.47 | 18.94 | 19.39 | 19.84 | 20.29 |
| Northern Africa | 30.12 | 36.28 | 40.31 | 45.19 | 45.72 | 46.24 | 46.77 | 47.29 | 47.82 | 48.36 | 48.90 | 49.45 | 49.99 | 50.53 |
| Southern Africa | 20.32 | 23.32 | 27.76 | 32.24 | 32.88 | 33.53 | 34.19 | 34.86 | 35.54 | 36.24 | 36.95 | 37.65 | 38.35 | 39.05 |
| Western Africa | 14.46 | 19.57 | 25.68 | 32.43 | 33.16 | 33.89 | 34.62 | 35.36 | 36.09 | 36.85 | 37.62 | 38.38 | 39.14 | 39.90 |
| Western Indian Ocean | 14.03 | 18.63 | 22.40 | 26.79 | 27.32 | 27.85 | 28.38 | 28.91 | 29.44 | 29.99 | 30.55 | 31.10 | 31.66 | 32.21 |
| ASIA AND PACIFIC | 20.55 | 22.86 | 26.01 | 31.09 | 31.47 | 31.85 | 32.22 | 32.60 | 32.97 | 33.39 | 33.81 | 34.23 | 34.65 | 35.07 |
| Australia and New Zealand | 79.74 | 84.45 | 85.36 | 85.03 | 84.99 | 84.94 | 84.89 | 84.85 | 84.80 | 84.82 | 84.83 | 84.85 | 84.87 | 84.88 |
| Central Asia | 39.10 | 42.89 | 45.16 | 44.94 | 44.56 | 44.18 | 43.79 | 43.40 | 43.01 | 42.77 | 42.52 | 42.27 | 42.03 | 41.79 |
| North West Pacific and East Asia | 22.28 | 24.43 | 27.03 | 33.98 | 34.38 | 34.79 | 35.20 | 35.61 | 36.03 | 36.45 | 36.88 | 37.31 | 37.74 | 38.18 |
| South Asia | 17.36 | 19.60 | 23.42 | 26.62 | 26.94 | 27.25 | 27.56 | 27.87 | 28.18 | 28.56 | 28.93 | 29.31 | 29.68 | 30.05 |
| South East Asia | 17.63 | 20.42 | 24.36 | 30.22 | 30.88 | 31.54 | 32.21 | 32.87 | 33.54 | 34.26 | 34.98 | 35.70 | 36.41 | 37.13 |
| South Pacific | 11.96 | 18.34 | 21.47 | 23.52 | 23.78 | 24.04 | 24.30 | 24.56 | 24.83 | 25.14 | 25.46 | 25.78 | 26.10 | 26.42 |
| EUROPE | 56.67 | 63.07 | 67.73 | 71.32 | 71.66 | 72.01 | 72.36 | 72.72 | 73.07 | 73.39 | 73.70 | 74.01 | 74.33 | 74.64 |
| Central Europe | 37.77 | 44.95 | 52.38 | 59.77 | 60.44 | 61.13 | 61.84 | 62.55 | 63.26 | 63.87 | 64.47 | 65.07 | 65.68 | 66.29 |
| Eastern Europe | 50.26 | 58.58 | 65.82 | 70.42 | 70.72 | 71.02 | 71.33 | 71.63 | 71.93 | 72.23 | 72.53 | 72.84 | 73.14 | 73.44 |
| Western Europe | 67.97 | 73.34 | 75.87 | 77.52 | 77.73 | 77.94 | 78.14 | 78.35 | 78.55 | 78.74 | 78.92 | 79.11 | 79.29 | 79.48 |
| LATIN AMERICA AND CARIBBEAN | 49.28 | 57.39 | 64.89 | 71.00 | 71.47 | 71.94 | 72.40 | 72.86 | 73.33 | 73.73 | 74.12 | 74.52 | 74.92 | 75.32 |
| Caribbean | 40.55 | 47.43 | 54.14 | 59.25 | 59.63 | 60.02 | 60.41 | 60.80 | 61.20 | 61.57 | 61.94 | 62.31 | 62.68 | 63.05 |
| Meso-America | 46.67 | 53.83 | 60.12 | 65.30 | 65.49 | 65.67 | 65.86 | 66.04 | 66.22 | 66.42 | 66.63 | 66.84 | 67.05 | 67.26 |
| South America | 51.36 | 59.93 | 67.96 | 74.51 | 75.09 | 75.68 | 76.26 | 76.84 | 77.42 | 77.90 | 78.38 | 78.86 | 79.34 | 79.83 |
| NORTH AMERICA | 69.90 | 73.80 | 73.89 | 75.34 | 75.50 | 75.67 | 75.83 | 76.00 | 76.16 | 76.37 | 76.57 | 76.78 | 76.98 | 77.19 |
| North America | 69.90 | 73.80 | 73.89 | 75.34 | 75.50 | 75.67 | 75.83 | 76.00 | 76.16 | 76.37 | 76.57 | 76.78 | 76.98 | 77.19 |
| POLAR | 74.90 | 73.40 | 76.00 | 79.40 | 79.70 | 80.00 | 80.30 | 80.60 | 80.90 | 81.12 | 81.34 | 81.56 | 81.78 | 82.00 |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | 74.90 | 73.40 | 76.00 | 79.40 | 79.70 | 80.00 | 80.30 | 80.60 | 80.90 | 81.12 | 81.34 | 81.56 | 81.78 | 82.00 |
| WEST ASIA | 33.42 | 45.40 | 55.83 | 63.48 | 63.88 | 64.22 | 64.53 | 64.87 | 65.25 | 65.57 | 65.94 | 66.34 | 66.73 | 67.11 |
| Arabian Peninsula | 20.15 | 33.27 | 48.84 | 60.10 | 60.39 | 60.50 | 60.54 | 60.63 | 60.84 | 61.03 | 61.34 | 61.71 | 62.09 | 62.44 |
| Mashriq | 42.50 | 53.62 | 61.30 | 66.52 | 67.02 | 67.54 | 68.08 | 68.62 | 69.15 | 69.62 | 70.08 | 70.53 | 70.99 | 71.44 |
| GLOBAL TOTALS | 33.62 | 36.70 | 39.57 | 43.52 | 43.84 | 44.17 | 44.50 | 44.83 | 45.17 | 45.52 | 45.88 | 46.23 | 46.59 | 46.95 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 33.60 | 36.70 | 39.60 | 43.50 | 43.84 | 44.18 | 44.52 | 44.86 | 45.20 | 45.56 | 45.92 | 46.28 | 46.64 | 47.00 |

Comments:

Figures for 1960-1995 are estimates and those for years beyond 1995 are projections. The urban population data presented are consistent with the medium variant of the 1998 Revision of *World Population Prospects*, the official United Nations population estimates and projections at the national level.

The urban population estimates are based on the varying national definitions of urban areas.

Urban Population - Percent of Total Population (Population)

Units: percent

Data Source: World Urbanization Prospects: The 1999 Revision

Data Provider: United Nations Population Division/Department of Economic and Social Affairs

Years: 1950, 1955, ..., 2030

| | 1950 | 1960 | 1970 | 1980 | 1990 | 1995 | 2000 | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| AFRICA | 14.66 | 18.48 | 23.11 | 27.40 | 32.10 | 34.98 | 37.89 | 40.81 | 43.66 | 46.38 | 49.00 | 51.56 | 54.06 |
| Central Africa | 15.44 | 19.20 | 26.47 | 29.34 | 31.69 | 33.38 | 35.60 | 38.07 | 41.01 | 43.91 | 46.81 | 49.72 | 52.53 |
| Eastern Africa | 4.80 | 6.66 | 9.03 | 11.93 | 15.53 | 17.98 | 20.29 | 22.79 | 25.37 | 27.99 | 30.72 | 33.52 | 36.43 |
| Northern Africa | 24.66 | 30.12 | 36.28 | 40.31 | 45.19 | 47.82 | 50.53 | 53.24 | 56.00 | 58.61 | 61.15 | 63.59 | 65.97 |
| Southern Africa | 17.51 | 20.32 | 23.32 | 27.76 | 32.24 | 35.54 | 39.05 | 42.46 | 45.60 | 48.54 | 51.52 | 54.34 | 57.10 |
| Western Africa | 10.11 | 14.46 | 19.57 | 25.68 | 32.43 | 36.09 | 39.90 | 43.53 | 46.90 | 50.05 | 52.82 | 55.50 | 58.06 |
| Western Indian Ocean | 10.53 | 14.03 | 18.63 | 22.40 | 26.79 | 29.44 | 32.21 | 35.20 | 38.33 | 41.51 | 44.61 | 47.73 | 50.77 |
| ASIA AND PACIFIC | 17.40 | 20.56 | 22.87 | 26.02 | 31.10 | 32.98 | 35.07 | 37.43 | 40.04 | 42.85 | 45.81 | 48.75 | 51.68 |
| Australia and New Zealand | 74.61 | 79.74 | 84.45 | 85.36 | 85.03 | 84.80 | 84.88 | 85.06 | 85.57 | 86.27 | 87.13 | 87.92 | 88.70 |
| Central Asia | 35.04 | 39.10 | 42.89 | 45.16 | 44.94 | 43.01 | 41.79 | 41.80 | 42.27 | 43.70 | 46.02 | 48.88 | 51.71 |
| North West Pacific and East Asia | 17.81 | 22.31 | 24.46 | 27.06 | 34.01 | 36.05 | 38.20 | 40.54 | 43.12 | 45.86 | 48.70 | 51.56 | 54.44 |
| South Asia | 15.99 | 17.36 | 19.60 | 23.42 | 26.62 | 28.18 | 30.05 | 32.35 | 35.00 | 38.00 | 41.25 | 44.48 | 47.68 |
| South East Asia | 14.78 | 17.63 | 20.42 | 24.36 | 30.22 | 33.54 | 37.13 | 40.69 | 44.13 | 47.32 | 50.29 | 53.03 | 55.76 |
| South Pacific | 8.53 | 11.95 | 18.33 | 21.46 | 23.51 | 24.82 | 26.42 | 28.24 | 30.29 | 32.58 | 35.20 | 37.88 | 40.65 |
| EUROPE | 51.16 | 56.67 | 63.07 | 67.73 | 71.32 | 73.07 | 74.64 | 76.19 | 77.69 | 79.14 | 80.53 | 81.87 | 83.13 |
| Central Europe | 29.95 | 37.77 | 44.95 | 52.38 | 59.77 | 63.26 | 66.29 | 69.04 | 71.48 | 73.64 | 75.56 | 77.38 | 79.07 |
| Eastern Europe | 41.78 | 50.26 | 58.58 | 65.82 | 70.42 | 71.93 | 73.44 | 74.89 | 76.32 | 77.74 | 79.08 | 80.44 | 81.70 |
| Western Europe | 63.94 | 67.97 | 73.34 | 75.87 | 77.52 | 78.55 | 79.48 | 80.49 | 81.58 | 82.71 | 83.87 | 84.97 | 86.00 |
| LATIN AMERICA AND CARIBBEAN | 41.43 | 49.28 | 57.39 | 64.89 | 71.00 | 73.33 | 75.32 | 77.05 | 78.59 | 79.93 | 81.11 | 82.24 | 83.33 |
| Caribbean | 35.55 | 40.55 | 47.43 | 54.14 | 59.25 | 61.20 | 63.05 | 64.88 | 66.74 | 68.50 | 70.21 | 71.90 | 73.47 |
| Meso-America | 39.79 | 46.67 | 53.83 | 60.12 | 65.30 | 66.22 | 67.26 | 68.45 | 69.79 | 71.20 | 72.84 | 74.41 | 75.96 |
| South America | 42.85 | 51.36 | 59.93 | 67.96 | 74.51 | 77.42 | 79.83 | 81.77 | 83.36 | 84.64 | 85.58 | 86.47 | 87.32 |
| NORTH AMERICA | 63.93 | 69.90 | 73.80 | 73.89 | 75.34 | 76.16 | 77.19 | 78.34 | 79.60 | 80.89 | 82.10 | 83.30 | 84.41 |
| North America | 63.93 | 69.90 | 73.80 | 73.89 | 75.34 | 76.16 | 77.19 | 78.34 | 79.60 | 80.89 | 82.10 | 83.30 | 84.41 |
| POLAR | 76.30 | 74.90 | 73.40 | 76.00 | 79.40 | 80.90 | 82.00 | 83.20 | 84.20 | 85.20 | 86.20 | 87.10 | 87.90 |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | 76.30 | 74.90 | 73.40 | 76.00 | 79.40 | 80.90 | 82.00 | 83.20 | 84.20 | 85.20 | 86.20 | 87.10 | 87.90 |
| WEST ASIA | 24.34 | 33.42 | 45.40 | 55.83 | 63.48 | 65.25 | 67.11 | 68.54 | 69.76 | 70.78 | 71.73 | 72.60 | 73.44 |
| Arabian Peninsula | 11.60 | 20.15 | 33.27 | 48.84 | 60.10 | 60.84 | 62.44 | 63.42 | 64.22 | 64.89 | 65.58 | 66.28 | 67.05 |
| Mashriq | 33.52 | 42.50 | 53.62 | 61.30 | 66.52 | 69.15 | 71.44 | 73.45 | 75.28 | 76.90 | 78.46 | 79.93 | 81.34 |
| GLOBAL TOTALS | 29.74 | 33.62 | 36.70 | 39.57 | 43.52 | 45.17 | 46.95 | 48.89 | 50.98 | 53.19 | 55.47 | 57.74 | 60.00 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 29.70 | 33.60 | 36.70 | 39.60 | 43.50 | 45.20 | 47.00 | 49.00 | 51.10 | 53.40 | 55.70 | 58.00 | 60.30 |

Comments:

Figures for 1950-1995 are estimates and those for years beyond 1995 are projections. Estimates and projections are presented only for years that are multiples of five. The urban population data presented are consistent with the medium variant of the *1998 Revision of World Population Prospects*, the official United Nations population estimates and projections at the national level.

The urban population estimates are based on the varying national definitions of urban areas.

Urban Population - Total

Units: thousand people

Data Source: World Urbanization Prospects: The 1999 Revision

Data Provider: United Nations Population Division/Department of Economic and Social Affairs

Years: 1960-2000

| | 1960 | 1970 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| AFRICA | 51144.02 | 82367.27 | 127933.36 | 198838.38 | 246087.76 | 256475.34 | 267095.71 | 277979.14 | 289171.69 | 300710.24 |
| Central Africa | 5186.29 | 9179.97 | 13236.61 | 19335.36 | 24165.47 | 25171.09 | 26155.96 | 27146.15 | 28181.32 | 29291.92 |
| Eastern Africa | 3185.45 | 5653.67 | 9844.38 | 17320.20 | 22468.37 | 23701.06 | 24998.12 | 26353.51 | 27756.70 | 29200.19 |
| Northern Africa | 20258.01 | 31185.11 | 44676.55 | 64694.24 | 75892.86 | 78235.67 | 80605.88 | 83014.54 | 85477.43 | 88006.07 |
| Southern Africa | 10671.30 | 15861.83 | 24920.13 | 38177.67 | 47961.17 | 50086.25 | 52234.05 | 54398.65 | 56576.03 | 58763.98 |
| Western Africa | 10910.43 | 18893.13 | 32797.68 | 55503.14 | 70815.62 | 74271.53 | 77857.07 | 81577.47 | 85438.22 | 89444.20 |
| Western Indian Ocean | 932.54 | 1593.57 | 2458.00 | 3807.78 | 4784.27 | 5009.74 | 5244.64 | 5488.83 | 5741.99 | 6003.89 |
| ASIA AND PACIFIC | 338527.79 | 473576.24 | 659392.79 | 943872.88 | 1080673.39 | 1109984.05 | 1139620.76 | 1169542.65 | 1199682.96 | 1229994.09 |
| Australia and New Zealand | 10085.56 | 12966.80 | 15093.45 | 17217.89 | 18381.18 | 18609.28 | 18828.84 | 19041.03 | 19247.92 | 19451.11 |
| Central Asia | 9541.88 | 14228.66 | 18657.27 | 22748.46 | 23185.38 | 23310.94 | 23430.79 | 23543.53 | 23646.12 | 23737.05 |
| North West Pacific and East Asia | 176036.37 | 240429.40 | 317377.97 | 457116.34 | 509802.95 | 520493.58 | 531216.17 | 541940.28 | 552614.67 | 563202.91 |
| South Asia | 103308.10 | 147006.89 | 220184.04 | 312482.55 | 366015.92 | 377981.45 | 390168.79 | 402572.98 | 415184.69 | 427997.53 |
| South East Asia | 39192.45 | 58239.66 | 87038.30 | 132877.87 | 161593.84 | 167834.36 | 174160.29 | 180566.20 | 187046.62 | 193596.44 |
| South Pacific | 363.44 | 704.83 | 1041.75 | 1429.77 | 1694.11 | 1754.43 | 1815.89 | 1878.63 | 1942.95 | 2009.05 |
| EUROPE | 365642.15 | 446380.99 | 512367.52 | 570076.54 | 593934.50 | 597696.21 | 601192.99 | 604451.81 | 607510.49 | 610401.12 |
| Central Europe | 50476.38 | 67733.40 | 88721.55 | 111648.83 | 121011.30 | 122743.68 | 124513.28 | 126307.89 | 128105.71 | 129889.91 |
| Eastern Europe | 92377.94 | 118757.49 | 142627.00 | 162653.69 | 166257.58 | 166521.52 | 166666.07 | 166697.46 | 166619.36 | 166438.95 |
| Western Europe | 222787.82 | 259890.10 | 281018.97 | 295774.01 | 306665.62 | 308431.01 | 310013.64 | 311446.47 | 312785.43 | 314072.26 |
| LATIN AMERICA AND CARIBBEAN | 107536.00 | 163433.45 | 234474.21 | 312669.19 | 351794.42 | 359497.08 | 367248.47 | 375046.34 | 382888.03 | 390771.06 |
| Caribbean | 8279.46 | 11784.76 | 15832.67 | 20085.48 | 21997.97 | 22374.10 | 22752.34 | 23132.51 | 23514.18 | 23897.04 |
| Meso-America | 23046.25 | 36339.23 | 54004.14 | 72752.10 | 81594.27 | 83439.80 | 85293.97 | 87154.45 | 89019.29 | 90886.70 |
| South America | 76210.29 | 115309.46 | 164637.40 | 219831.61 | 248202.18 | 253683.18 | 259202.16 | 264759.38 | 270354.56 | 275987.32 |
| NORTH AMERICA | 142654.34 | 171086.15 | 188373.64 | 212816.40 | 227034.93 | 230110.44 | 233209.72 | 236306.90 | 239369.21 | 242373.47 |
| North America | 142654.34 | 171086.15 | 188373.64 | 212816.40 | 227034.93 | 230110.44 | 233209.72 | 236306.90 | 239369.21 | 242373.47 |
| POLAR | 24.72 | 34.08 | 38.15 | 44.13 | 45.12 | 45.28 | 45.47 | 45.68 | 45.89 | 46.10 |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | 24.72 | 34.08 | 38.15 | 44.13 | 45.12 | 45.28 | 45.47 | 45.68 | 45.89 | 46.10 |
| WEST ASIA | 8592.35 | 15843.87 | 27886.41 | 45489.11 | 54539.02 | 56542.51 | 58669.87 | 60902.55 | 63209.23 | 65566.88 |
| Arabian Peninsula | 2105.35 | 4690.47 | 10704.83 | 20359.07 | 23891.18 | 24788.32 | 25820.26 | 26953.78 | 28134.11 | 29320.78 |
| Mashriq | 6487.00 | 11153.41 | 17181.58 | 25130.04 | 30647.84 | 31754.19 | 32849.62 | 33948.77 | 35075.12 | 36246.10 |
| GLOBAL TOTALS | 1014121.35 | 1352722.05 | 1750466.09 | 2283806.63 | 2554109.14 | 2610350.91 | 2667083.00 | 2724275.08 | 2781877.52 | 2839862.96 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 1013541.00 | 1352856.09 | 1751903.08 | 2282981.35 | 2555910.39 | 2612575.04 | 2669654.81 | 2727120.23 | 2784918.36 | 2843017.59 |

Comments:

Figures for 1960-1995 are estimates and those for years beyond 1995 are projections. The urban population data presented are consistent with the medium variant of the *1998 Revision of World Population Prospects*, the official United Nations population estimates and projections at the national level.

The urban population estimates are based on the varying national definitions of urban areas.

Urban Population - Total (Projection)

Units: thousand people

Data Source: World Urbanization Prospects: The 1999 Revision

Data Provider: United Nations Population Division/Department of Economic and Social Affairs

Years: 1950, 1955, ..., 2030

| | 1950 | 1960 | 1970 | 1980 | 1990 | 1995 | 2000 | 2010 | 2020 | 2030 |
|---|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| AFRICA | 32437 | 51152 | 82319 | 127248 | 197091 | 243627 | 297141 | 425671 | 583974 | 765713 |
| Central Africa | 3423 | 5185 | 9141 | 13245 | 19369 | 24257 | 29455 | 44898 | 66911 | 94067 |
| Eastern Africa | 1805 | 3183 | 5673 | 9892 | 17436 | 22590 | 29187 | 46443 | 70836 | 102308 |
| Northern Africa | 13145 | 20234 | 31097 | 44566 | 64384 | 75379 | 87949 | 115701 | 144373 | 173658 |
| Southern Africa | 7326 | 10694 | 15606 | 24159 | 36545 | 46076 | 56368 | 77941 | 104717 | 136108 |
| Western Africa | 6193 | 10924 | 19220 | 32958 | 55624 | 70567 | 88207 | 131601 | 183946 | 241659 |
| Western Indian Ocean | 545 | 932 | 1582 | 2428 | 3733 | 4758 | 5975 | 9087 | 13191 | 17913 |
| ASIA AND PACIFIC | 238435 | 341326 | 477992 | 666875 | 953759 | 1090636 | 1241192 | 1584212 | 1982095 | 2387551 |
| Australia and New Zealand | 7557 | 10086 | 12965 | 15088 | 17217 | 18331 | 19308 | 21241 | 23401 | 25375 |
| Central Asia | 6135 | 9542 | 14225 | 18658 | 22752 | 22953 | 23389 | 26362 | 31862 | 39292 |
| North West Pacific and East Asia | 120839 | 178341 | 243815 | 322666 | 463095 | 516799 | 571674 | 689195 | 816628 | 932937 |
| South Asia | 76783 | 103405 | 147686 | 221767 | 316191 | 369671 | 432102 | 584514 | 776745 | 987291 |
| South East Asia | 26915 | 39589 | 58586 | 87631 | 133060 | 161172 | 192687 | 260033 | 329477 | 397381 |
| South Pacific | 206 | 363 | 715 | 1065 | 1444 | 1710 | 2032 | 2867 | 3982 | 5275 |
| EUROPE | 295502 | 365494 | 446150 | 512355 | 570317 | 593223 | 610990 | 640797 | 662217 | 672713 |
| Central Europe | 34319 | 50445 | 67704 | 88625 | 111677 | 120923 | 129937 | 146156 | 159050 | 168833 |
| Eastern Europe | 65565 | 92414 | 118740 | 142554 | 162624 | 166011 | 167668 | 171476 | 173839 | 173421 |
| Western Europe | 195618 | 222635 | 259706 | 281176 | 296016 | 306289 | 313385 | 323165 | 329328 | 330459 |
| LATIN AMERICA AND CARIBBEAN | 69146 | 107568 | 163488 | 234591 | 312664 | 351821 | 390869 | 467377 | 539042 | 603871 |
| Caribbean | 6052 | 8280 | 11784 | 15834 | 20104 | 22103 | 24017 | 27941 | 31899 | 35611 |
| Meso-America | 14695 | 23034 | 36359 | 54042 | 72723 | 81650 | 90925 | 110264 | 130295 | 149682 |
| South America | 48399 | 76254 | 115345 | 164715 | 219837 | 248068 | 275927 | 329172 | 376848 | 418578 |
| NORTH AMERICA | 109604 | 142648 | 170785 | 188511 | 212448 | 226056 | 238938 | 264095 | 290538 | 313533 |
| North America | 109604 | 142648 | 170785 | 188511 | 212448 | 226056 | 238938 | 264095 | 290538 | 313533 |
| POLAR | 18 | 25 | 34 | 38 | 44 | 45 | 46 | 48 | 51 | 53 |
| Antarctic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Arctic | 18 | 25 | 34 | 38 | 44 | 45 | 46 | 48 | 51 | 53 |
| WEST ASIA | 4727 | 8388 | 15566 | 27414 | 45927 | 54743 | 65773 | 90697 | 118289 | 145678 |
| Arabian Peninsula | 967 | 2108 | 4689 | 10700 | 20830 | 24775 | 30281 | 42256 | 56158 | 70655 |
| Mashriq | 3760 | 6280 | 10877 | 16714 | 25097 | 29968 | 35492 | 48441 | 62131 | 75023 |
| GLOBAL TOTALS | 749869 | 1016601 | 1356334 | 1757032 | 2292250 | 2560151 | 2844949 | 3472897 | 4176206 | 4889112 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | 749934 | 1016665 | 1356396 | 1757102 | 2292321 | 2560235 | 2845049 | 3473058 | 4176428 | 4889393 |

Comments:

Figures for 1950-1995 are estimates and those for years beyond 1995 are projections. Estimates and projections are presented only for years that are multiples of five. The urban population data presented are consistent with the medium variant of the *1998 Revision of World Population Prospects*, the official United Nations population estimates and projections at the national level.

The urban population estimates are based on the varying national definitions of urban areas.

1.9 Disasters

Disaster: situation or event, which overwhelms local capacity, necessitating a request to national or international level for external assistance; an unforeseen and often sudden event that causes great damage, destruction and human suffering. Though often caused by nature, disasters can have human origins. Wars and civil disturbances that destroy homelands and displace people are included among the causes of disasters. Other causes can be: building collapse, blizzard, drought, epidemic, earthquake, explosion, fire, flood, hazardous material or transportation incident (such as a chemical spill), hurricane, nuclear incident, tornado, or volcano.

1.9.1 Environmental Hazards

For all variables, if not specified otherwise:

Units: number of people

Data Source: EM-DAT: The OFDA/CRED International Disaster Database (data as of December 2001)

Data Provider: The OFDA/CRED International Disaster Database - www.cred.be/emdat - Université Catholique de Louvain - Brussels - Belgium

Years: 1975-2000

Droughts – Affected People

| | 1975 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|--------|----------|----------|----------|---------|---------|----------|----------|-----------|
| AFRICA | 325000 | 18135000 | 13655000 | 8312904 | 3260000 | 3216100 | 3306700 | 2822145 | 19238890 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 685000 | 6500000 | 1200000 | 100000 | 2586200 | 126000 | 2522145 | 17007600 |
| Northern Africa | 0 | 0 | 600000 | 0 | 160000 | 0 | 0 | 275000 | 700000 |
| Southern Africa | 0 | 6000000 | 3705000 | 7112904 | 3000000 | 600000 | 3160000 | 25000 | 1300000 |
| Western Africa | 325000 | 1450000 | 2600000 | 0 | 0 | 29900 | 20700 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 250000 | 0 | 0 | 0 | 0 | 0 | 231290 |
| ASIA AND PACIFIC | 0 | 3500000 | 0 | 12810000 | 0 | 4290000 | 5268635 | 26504000 | 155730000 |
| Australia and New Zealand | 0 | 0 | 0 | 1750000 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3500000 |
| North West Pacific and East Asia | 0 | 0 | 0 | 11060000 | 0 | 0 | 0 | 19000000 | 20450000 |
| South Asia | 0 | 3500000 | 0 | 0 | 0 | 0 | 0 | 0 | 131780000 |
| South East Asia | 0 | 0 | 0 | 0 | 0 | 3090000 | 4970000 | 7420000 | 0 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 1200000 | 298635 | 84000 | 0 |
| EUROPE | 0 | 0 | 0 | 6000000 | 0 | 0 | 0 | 0 | 993000 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 993000 |
| Western Europe | 0 | 0 | 0 | 6000000 | 0 | 0 | 0 | 0 | 0 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 2483160 | 0 | 0 | 358000 | 11459000 | 667000 | 36125 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 600000 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 0 | 290000 | 0 | 65000 | 1125 |
| South America | 0 | 0 | 2483160 | 0 | 0 | 68000 | 10859000 | 602000 | 35000 |
| NORTH AMERICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 509000 | 479000 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 509000 | 479000 |
| GLOBAL TOTALS | 325000 | 21635000 | 16138160 | 27122904 | 3260000 | 7864100 | 20034335 | 30502145 | 176477015 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Drought: period of deficiency of moisture in the soil such that there is inadequate water required for plants, animals and human beings.

Affected people: people requiring immediate assistance during a period of emergency, for example requiring basic survival needs such as food, water, shelter, sanitation and immediate medical assistance. Appearance of a significant number of cases of an infectious disease introduced in a region or a population that is usually free from that disease.

Droughts – Killed People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|
| AFRICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 227 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 227 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 0 | 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 530 | 248 | 0 | 143 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 143 |
| South East Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 460 | 220 | 0 | 0 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 | 28 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NORTH AMERICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 0 | 0 | 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 530 | 260 | 0 | 370 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Drought: period of deficiency of moisture in the soil such that there is inadequate water required for plants, animals and human beings.

Killed: persons confirmed as dead and persons missing and presumed dead.

Droughts – Number

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|
| AFRICA | 10 | 13 | 7 | 3 | 17 | 5 | 2 | 8 | 3 | 5 | 7 | 10 | 13 |
| Central Africa | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 1 | 4 | 1 | 1 | 2 | 0 | 0 | 1 | 1 | 2 | 2 | 5 | 8 |
| Northern Africa | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 |
| Southern Africa | 0 | 2 | 3 | 0 | 12 | 3 | 2 | 7 | 1 | 1 | 3 | 3 | 2 |
| Western Africa | 8 | 6 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 2 | 2 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| ASIA AND PACIFIC | 1 | 3 | 0 | 5 | 4 | 5 | 3 | 3 | 1 | 4 | 8 | 7 | 12 |
| Australia and New Zealand | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| North West Pacific and East Asia | 0 | 1 | 0 | 1 | 1 | 1 | 2 | 2 | 0 | 0 | 0 | 2 | 5 |
| South Asia | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 5 |
| South East Asia | 0 | 0 | 0 | 3 | 2 | 2 | 0 | 0 | 0 | 2 | 4 | 3 | 0 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 1 | 0 |
| EUROPE | 0 | 1 | 1 | 2 | 3 | 1 | 0 | 1 | 0 | 1 | 1 | 2 | 7 |
| Central Europe | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 4 |
| Western Europe | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 0 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 2 | 1 | 1 | 0 | 3 | 1 | 1 | 3 | 5 | 4 | 9 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| Meso-America | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 4 |
| South America | 0 | 0 | 2 | 1 | 1 | 0 | 2 | 0 | 0 | 2 | 3 | 3 | 3 |
| NORTH AMERICA | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| North America | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 |
| Arabian Peninsula | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 |
| GLOBAL TOTALS | 12 | 18 | 10 | 13 | 25 | 11 | 8 | 13 | 5 | 13 | 21 | 26 | 47 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Drought: period of deficiency of moisture in the soil such that there is inadequate water required for plants, animals and human beings

Earthquakes – Affected People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|---------|---------|---------|--------|--------|--------|---------|---------|--------|---------|---------|---------|
| AFRICA | 0 | 478948 | 10000 | 0 | 2250 | 0 | 62500 | 0 | 0 | 0 | 0 | 25000 | 750 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 50000 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 478948 | 10000 | 0 | 2250 | 0 | 12500 | 0 | 0 | 0 | 0 | 25000 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 750 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 260000 | 2213254 | 609570 | 260000 | 207800 | 569819 | 1930194 | 1449198 | 270805 | 965655 | 545685 | 2214950 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 5000 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 3000 | 230000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17000 |
| North West Pacific and East Asia | 0 | 0 | 54574 | 282205 | 16000 | 43800 | 0 | 1711512 | 1443369 | 0 | 854300 | 50600 | 2053090 |
| South Asia | 0 | 240000 | 521000 | 324205 | 6500 | 154000 | 116510 | 0 | 2500 | 268000 | 106355 | 467925 | 3500 |
| South East Asia | 0 | 20000 | 1637680 | 160 | 7500 | 0 | 448309 | 218682 | 3329 | 2805 | 5000 | 15160 | 141360 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 10000 | 0 | 0 | 0 | 0 | 0 | 12000 | 0 |
| EUROPE | 50000 | 426300 | 0 | 105000 | 232100 | 1500 | 0 | 75350 | 1500 | 130000 | 745335 | 986250 | 27694 |
| Central Europe | 50000 | 5000 | 0 | 0 | 230000 | 0 | 0 | 52850 | 0 | 0 | 45335 | 865000 | 24400 |
| Eastern Europe | 0 | 0 | 0 | 105000 | 0 | 0 | 0 | 0 | 0 | 0 | 700000 | 21250 | 2694 |
| Western Europe | 0 | 421300 | 0 | 0 | 2100 | 1500 | 0 | 22500 | 1500 | 130000 | 0 | 100000 | 600 |
| LATIN AMERICA AND CARIBBEAN | 0 | 9000 | 70300 | 85520 | 48500 | 3331 | 12461 | 68257 | 88013 | 72000 | 19250 | 792205 | 5650 |
| Caribbean | 0 | 0 | 0 | 0 | 7000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 6000 | 300 | 38450 | 40500 | 200 | 0 | 54735 | 0 | 17000 | 0 | 40205 | 5650 |
| South America | 0 | 3000 | 70000 | 47070 | 1000 | 3131 | 12461 | 13522 | 88013 | 55000 | 19250 | 752000 | 0 |
| NORTH AMERICA | 0 | 0 | 0 | 0 | 0 | 0 | 288 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 0 | 0 | 0 | 0 | 0 | 288 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 217000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 217000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 50000 | 1174248 | 2293554 | 1017090 | 542850 | 212631 | 645068 | 2073801 | 1538711 | 472805 | 1730240 | 2349140 | 2249044 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Earthquake: sudden break within the upper layers of the earth, sometimes breaking the surface, resulting in the vibration of the ground, which where strong enough will cause the collapse of buildings and destruction of life and property.

Affected people: people requiring immediate assistance during a period of emergency, for example requiring basic survival needs such as food, water, shelter, sanitation and immediate medical assistance. Appearance of a significant number of cases of an infectious disease introduced in a region or a population that is usually free from that disease.

Earthquakes – Homeless People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|--------|--------|--------|--------|-------|-------|--------|--------|--------|--------|---------|--------|
| AFRICA | 0 | 443000 | 0 | 0 | 25000 | 0 | 10000 | 0 | 0 | 0 | 0 | 7500 | 35 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 443000 | 0 | 0 | 25000 | 0 | 10000 | 0 | 0 | 0 | 0 | 7500 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 30000 | 163987 | 35915 | 110800 | 40000 | 10350 | 890000 | 409920 | 57000 | 119850 | 281045 | 177791 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 21500 | 0 | 16800 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 7696 | 600 | 0 | 0 | 0 | 825000 | 396170 | 3000 | 70600 | 121000 | 110791 |
| South Asia | 0 | 30000 | 0 | 29915 | 4000 | 30000 | 0 | 0 | 750 | 54000 | 49250 | 155345 | 500 |
| South East Asia | 0 | 0 | 134791 | 5400 | 90000 | 0 | 10330 | 65000 | 13000 | 0 | 0 | 2700 | 61500 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 10000 | 0 | 0 | 0 | 0 | 0 | 2000 | 5000 |
| EUROPE | 0 | 0 | 3000 | 164000 | 90000 | 0 | 2100 | 6550 | 2000 | 38000 | 7265 | 730240 | 19133 |
| Central Europe | 0 | 0 | 0 | 4000 | 90000 | 0 | 0 | 250 | 2000 | 0 | 6265 | 655000 | 0 |
| Eastern Europe | 0 | 0 | 0 | 160000 | 0 | 0 | 2100 | 0 | 0 | 0 | 0 | 5240 | 19100 |
| Western Europe | 0 | 0 | 3000 | 0 | 0 | 0 | 0 | 6300 | 0 | 38000 | 1000 | 70000 | 33 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 44000 | 17295 | 2500 | 0 | 24797 | 16755 | 27000 | 13000 | 750 | 453873 | 1785 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 14000 | 17000 | 0 | 0 | 0 | 12275 | 0 | 0 | 0 | 453 | 1785 |
| South America | 0 | 0 | 30000 | 295 | 2500 | 0 | 24797 | 4480 | 27000 | 13000 | 750 | 453420 | 0 |
| NORTH AMERICA | 0 | 0 | 0 | 0 | 247 | 0 | 25000 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 0 | 0 | 0 | 247 | 0 | 25000 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 150500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 150000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 0 | 473000 | 210987 | 367710 | 228547 | 40000 | 72247 | 913305 | 438920 | 108000 | 127865 | 1472658 | 198744 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Earthquake: sudden break within the upper layers of the earth, sometimes breaking the surface, resulting in the vibration of the ground, which where strong enough will cause the collapse of buildings and destruction of life and property.

Homeless: people needing immediate assistance in the form of shelter.

Earthquakes – Injured People

| | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|--------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| AFRICA | 8459 | 0 | 0 | 9929 | 15 | 289 | 69 | 0 | 0 | 0 | 175 | 6 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 8459 | 0 | 0 | 9929 | 15 | 289 | 69 | 0 | 0 | 0 | 175 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 5811 | 111029 | 2748 | 2385 | 16927 | 3796 | 39769 | 17922 | 11813 | 16628 | 10602 | 5984 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 16 | 6 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 67 | 2065 | 553 | 32 | 1021 | 1178 | 37391 | 17490 | 106 | 13627 | 8994 | 3116 |
| South Asia | 5744 | 105346 | 2008 | 150 | 15615 | 461 | 0 | 0 | 11407 | 2913 | 1248 | 15 |
| South East Asia | 0 | 3600 | 181 | 2103 | 0 | 2152 | 2378 | 432 | 300 | 88 | 260 | 2853 |
| South Pacific | 0 | 2 | 0 | 0 | 291 | 0 | 0 | 0 | 0 | 0 | 100 | 0 |
| EUROPE | 8417 | 1097 | 1705 | 2055 | 16 | 242 | 1233 | 0 | 100 | 2633 | 51847 | 689 |
| Central Europe | 100 | 820 | 5 | 2000 | 0 | 0 | 363 | 0 | 0 | 2533 | 49792 | 81 |
| Eastern Europe | 0 | 0 | 1700 | 10 | 0 | 242 | 750 | 0 | 0 | 0 | 35 | 608 |
| Western Europe | 8317 | 277 | 0 | 45 | 16 | 0 | 120 | 0 | 100 | 100 | 2020 | 0 |
| LATIN AMERICA AND CARIBBEAN | 400 | 1119 | 1636 | 599 | 125 | 158 | 717 | 765 | 781 | 190 | 9043 | 42 |
| Caribbean | 0 | 0 | 0 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 360 | 309 | 849 | 489 | 40 | 0 | 300 | 0 | 0 | 0 | 400 | 42 |
| South America | 40 | 810 | 787 | 60 | 85 | 158 | 417 | 765 | 781 | 190 | 8643 | 0 |
| NORTH AMERICA | 0 | 30 | 104 | 400 | 0 | 8500 | 0 | 0 | 0 | 0 | 0 | 41 |
| North America | 0 | 30 | 104 | 400 | 0 | 8500 | 0 | 0 | 0 | 0 | 0 | 41 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 23087 | 113275 | 6233 | 15368 | 17083 | 12985 | 41788 | 18687 | 12694 | 19451 | 71667 | 6762 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Earthquake: sudden break within the upper layers of the earth, sometimes breaking the surface, resulting in the vibration of the ground, which where strong enough will cause the collapse of buildings and destruction of life and property.

Injured: people suffering from physical injuries, trauma or an illness requiring medical treatment as a direct result of a disaster.

Earthquakes – Killed People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | 0 | 2635 | 31 | 0 | 561 | 3 | 178 | 10 | 0 | 0 | 0 | 22 | 1 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 2635 | 31 | 0 | 561 | 3 | 171 | 10 | 0 | 0 | 0 | 22 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 347 | 215 | 42597 | 2397 | 2626 | 10098 | 722 | 5681 | 541 | 2973 | 7149 | 2491 | 147 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 1 | 4 | 67 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 300 | 2 | 127 | 1 | 0 | 234 | 13 | 5571 | 353 | 58 | 54 | 2264 | 10 |
| South Asia | 47 | 213 | 40046 | 2369 | 59 | 9806 | 174 | 0 | 0 | 2895 | 7045 | 204 | 1 |
| South East Asia | 0 | 0 | 2423 | 23 | 2500 | 0 | 535 | 110 | 188 | 20 | 50 | 11 | 135 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 58 | 0 | 0 | 0 | 0 | 0 | 12 | 1 |
| EUROPE | 2385 | 4759 | 45 | 278 | 549 | 1 | 11 | 2144 | 0 | 14 | 155 | 18122 | 34 |
| Central Europe | 2385 | 0 | 18 | 0 | 547 | 0 | 0 | 103 | 0 | 0 | 145 | 17980 | 3 |
| Eastern Europe | 0 | 0 | 4 | 278 | 1 | 0 | 11 | 1989 | 0 | 0 | 0 | 2 | 31 |
| Western Europe | 0 | 4759 | 23 | 0 | 1 | 1 | 0 | 52 | 0 | 14 | 10 | 140 | 0 |
| LATIN AMERICA AND CARIBBEAN | 0 | 80 | 140 | 155 | 190 | 11 | 271 | 131 | 41 | 89 | 108 | 1235 | 7 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 67 | 1 | 91 | 179 | 3 | 0 | 69 | 0 | 1 | 0 | 48 | 7 |
| South America | 0 | 13 | 139 | 64 | 11 | 8 | 271 | 62 | 41 | 88 | 108 | 1187 | 0 |
| NORTH AMERICA | 0 | 0 | 0 | 2 | 1 | 0 | 60 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 0 | 0 | 2 | 1 | 0 | 60 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 2732 | 7689 | 42813 | 2863 | 3927 | 10113 | 1242 | 7966 | 582 | 3076 | 7412 | 21870 | 189 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Earthquake: sudden break within the upper layers of the earth, sometimes breaking the surface, resulting in the vibration of the ground, which where strong enough will cause the collapse of buildings and destruction of life and property.

Killed: persons confirmed as dead and persons missing and presumed dead.

Earthquakes – Number

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|
| AFRICA | 0 | 2 | 3 | 0 | 2 | 1 | 2 | 1 | 0 | 0 | 0 | 1 | 1 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 2 | 1 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 2 | 15 | 21 | 12 | 11 | 8 | 15 | 10 | 7 | 9 | 9 | 14 | 17 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 2 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| North West Pacific and East Asia | 1 | 4 | 2 | 2 | 2 | 3 | 4 | 5 | 4 | 2 | 3 | 5 | 7 |
| South Asia | 1 | 9 | 5 | 5 | 4 | 2 | 4 | 0 | 1 | 6 | 5 | 6 | 3 |
| South East Asia | 0 | 2 | 5 | 3 | 2 | 0 | 5 | 5 | 2 | 1 | 1 | 2 | 4 |
| South Pacific | 0 | 0 | 7 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 1 | 1 |
| EUROPE | 1 | 5 | 9 | 4 | 5 | 1 | 1 | 5 | 2 | 1 | 5 | 11 | 6 |
| Central Europe | 1 | 2 | 3 | 1 | 1 | 0 | 0 | 2 | 1 | 0 | 3 | 6 | 2 |
| Eastern Europe | 0 | 0 | 1 | 3 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 3 | 2 |
| Western Europe | 0 | 3 | 5 | 0 | 3 | 1 | 0 | 2 | 1 | 1 | 1 | 2 | 2 |
| LATIN AMERICA AND CARIBBEAN | 0 | 4 | 5 | 7 | 3 | 4 | 2 | 9 | 2 | 4 | 2 | 7 | 1 |
| Caribbean | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 2 | 3 | 4 | 1 | 2 | 0 | 3 | 0 | 2 | 0 | 4 | 1 |
| South America | 0 | 2 | 2 | 3 | 1 | 2 | 2 | 6 | 2 | 2 | 2 | 3 | 0 |
| NORTH AMERICA | 0 | 0 | 1 | 1 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 |
| North America | 0 | 0 | 1 | 1 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 3 | 26 | 39 | 26 | 23 | 14 | 22 | 25 | 11 | 14 | 16 | 33 | 26 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Earthquake: sudden break within the upper layers of the earth, sometimes breaking the surface, resulting in the vibration of the ground, which where strong enough will cause the collapse of buildings and destruction of life and property.

Earthquakes – Total Affected

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|--|-------|---------|---------|---------|--------|--------|--------|---------|---------|--------|---------|---------|---------|
| AFRICA | 0 | 930407 | 10000 | 0 | 37179 | 15 | 72789 | 69 | 0 | 0 | 0 | 32675 | 791 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 50000 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 930407 | 10000 | 0 | 37179 | 15 | 22789 | 69 | 0 | 0 | 0 | 32675 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 791 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 295811 | 2488270 | 648073 | 373185 | 264727 | 585125 | 2859963 | 1877040 | 339618 | 1102133 | 837332 | 2398725 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 5025 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 21516 | 3006 | 246900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17000 |
| North West Pacific and East Asia | 0 | 67 | 64335 | 283358 | 16032 | 44821 | 2338 | 2573903 | 1857029 | 3106 | 938527 | 180594 | 2166997 |
| South Asia | 0 | 275744 | 626346 | 356128 | 10650 | 199615 | 116971 | 0 | 3250 | 333407 | 158518 | 624518 | 4015 |
| South East Asia | 0 | 20000 | 1776071 | 5581 | 99603 | 0 | 460791 | 286060 | 16761 | 3105 | 5088 | 18120 | 205713 |
| South Pacific | 0 | 0 | 2 | 0 | 0 | 20291 | 0 | 0 | 0 | 0 | 0 | 14100 | 5000 |
| EUROPE | 53372 | 434717 | 4097 | 270705 | 324145 | 1516 | 2342 | 83133 | 3500 | 168100 | 755233 | 1768337 | 47516 |
| Central Europe | 53372 | 5100 | 820 | 4005 | 322000 | 0 | 0 | 53463 | 2000 | 0 | 54133 | 1569792 | 24481 |
| Eastern Europe | 0 | 0 | 0 | 266700 | 0 | 0 | 2342 | 750 | 0 | 0 | 700000 | 26525 | 22402 |
| Western Europe | 0 | 429617 | 3277 | 0 | 2145 | 1516 | 0 | 28920 | 1500 | 168100 | 1100 | 172020 | 633 |
| LATIN AMERICA AND CARIBBEAN | 0 | 9400 | 115419 | 104451 | 51599 | 3456 | 37416 | 85729 | 115778 | 85781 | 20190 | 1255121 | 7477 |
| Caribbean | 0 | 0 | 0 | 0 | 7050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 6360 | 14609 | 56299 | 40989 | 240 | 0 | 67310 | 0 | 17000 | 0 | 41058 | 7477 |
| South America | 0 | 3040 | 100810 | 48152 | 3560 | 3216 | 37416 | 18419 | 115778 | 68781 | 20190 | 1214063 | 0 |
| NORTH AMERICA | 0 | 0 | 30 | 104 | 647 | 0 | 33788 | 0 | 0 | 0 | 0 | 0 | 41 |
| North America | 0 | 0 | 30 | 104 | 647 | 0 | 33788 | 0 | 0 | 0 | 0 | 0 | 41 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 367540 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 367040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 53372 | 1670335 | 2617816 | 1390873 | 786755 | 269714 | 731460 | 3028894 | 1996318 | 593499 | 1877556 | 3893465 | 2454550 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Earthquake: sudden break within the upper layers of the earth, sometimes breaking the surface, resulting in the vibration of the ground, which where strong enough will cause the collapse of buildings and destruction of life and property.

Total affected: people that have been injured affected and left homeless after a disaster are included in this category.

Extreme Temperatures - Affected People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|---------|-------|-------|---------|---------|--------|-------|--------|-------|--------|-------|
| AFRICA | 0 | 0 | 1000000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Africa | 0 | 0 | 1000000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 0 | 0 | 450 | 0 | 3000000 | 1100000 | 500000 | 0 | 603180 | 34000 | 0 | 0 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 3000000 | 1100000 | 500000 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 600000 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3180 | 0 | 0 | 0 |
| South Asia | 0 | 0 | 0 | 450 | 0 | 0 | 0 | 0 | 0 | 0 | 34000 | 0 | 0 |
| South East Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 0 | 240 | 200 | 8000 | 0 | 0 | 10000 | 2000 | 725000 | 0 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 8000 | 0 | 0 | 0 | 2000 | 0 | 0 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 200 | 0 | 0 | 0 | 0 | 0 | 725000 | 0 |
| Western Europe | 0 | 0 | 0 | 0 | 240 | 0 | 0 | 0 | 0 | 10000 | 0 | 0 | 0 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35000 | 0 | 1400 | 0 | 0 | 25977 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1400 | 0 | 0 | 0 |
| South America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35000 | 0 | 0 | 0 | 0 | 25977 |
| NORTH AMERICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 0 | 0 | 1000000 | 450 | 240 | 3000200 | 1108000 | 535000 | 0 | 614580 | 36000 | 725000 | 25977 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Extreme temperature: disaster type term comprising the two disaster subsets "heat wave" and "cold wave" (long lasting period with extremely high or low surface temperature).

Affected people: people requiring immediate assistance during a period of emergency, for example requiring basic survival needs such as food, water, shelter, sanitation and immediate medical assistance. Appearance of a significant number of cases of an infectious disease introduced in a region or a population that is usually free from that disease.

Extreme Temperatures - Homeless People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------|------|------|------|-------|------|------|------|------|------|------|------|------|
| AFRICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South East Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 0 | 0 | 16000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 16000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NORTH AMERICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 0 | 0 | 0 | 0 | 16000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Extreme temperature: disaster type term comprising the two disaster subsets "heat wave" and "cold wave" (long lasting period with extremely high or low surface temperature).

Homeless: people needing immediate assistance in the form of shelter.

Extreme Temperatures - Injured People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 105 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 105 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 0 | 0 | 0 | 0 | 500 | 184 | 100 | 0 | 0 | 0 | 0 | 0 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 500 | 184 | 100 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South East Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 0 | 0 | 60 | 0 | 178 | 200 | 0 | 386 | 246 | 1428 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 200 | 0 | 123 | 0 | 1070 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 60 | 0 | 108 | 0 | 0 | 263 | 246 | 346 |
| Western Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 0 | 0 | 0 | 12 |
| LATIN AMERICA AND CARIBBEAN | 600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South America | 600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NORTH AMERICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| GLOBAL TOTALS | 600 | 0 | 0 | 0 | 0 | 560 | 184 | 278 | 200 | 0 | 386 | 246 | 1545 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Extreme temperature: disaster type term comprising the two disaster subsets "heat wave" and "cold wave" (long lasting period with extremely high or low surface temperature).

Injured: people suffering from physical injuries, trauma or an illness requiring medical treatment as a direct result of a disaster.

Extreme Temperatures - Killed People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|
| AFRICA | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 32 | 52 | 0 | 0 | 0 | 3 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 22 | 0 | 0 | 0 | 3 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 |
| Western Africa | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 14 | 129 | 596 | 785 | 275 | 17 | 299 | 679 | 232 | 188 | 2761 | 151 | 366 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 17 | 5 | 1 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| North West Pacific and East Asia | 0 | 0 | 103 | 0 | 0 | 0 | 104 | 0 | 0 | 55 | 0 | 0 | 0 |
| South Asia | 14 | 129 | 493 | 785 | 275 | 0 | 190 | 678 | 232 | 133 | 2761 | 151 | 355 |
| South East Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EUROPE | 0 | 0 | 5 | 25 | 0 | 41 | 42 | 258 | 16 | 139 | 220 | 348 | 337 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 50 | 199 | 186 | 161 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 41 | 42 | 228 | 0 | 22 | 11 | 162 | 173 |
| Western Europe | 0 | 0 | 5 | 25 | 0 | 0 | 0 | 30 | 0 | 67 | 10 | 0 | 3 |
| LATIN AMERICA AND CARIBBEAN | 126 | 0 | 380 | 25 | 80 | 0 | 0 | 51 | 0 | 292 | 127 | 15 | 109 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 380 | 0 | 80 | 0 | 0 | 49 | 0 | 292 | 127 | 15 | 66 |
| South America | 126 | 0 | 0 | 25 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 43 |
| NORTH AMERICA | 0 | 362 | 11 | 0 | 0 | 48 | 75 | 710 | 0 | 0 | 117 | 257 | 35 |
| North America | 0 | 362 | 11 | 0 | 0 | 48 | 75 | 710 | 0 | 0 | 117 | 257 | 35 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 140 | 491 | 992 | 835 | 388 | 106 | 416 | 1730 | 300 | 619 | 3225 | 771 | 850 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Extreme temperature: disaster type term comprising the two disaster subsets "heat wave" and "cold wave" (long lasting period with extremely high or low surface temperature).

Killed: persons confirmed as dead and persons missing and presumed dead.

Extreme Temperatures - Number

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|
| AFRICA | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 2 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Western Africa | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 2 | 2 | 8 | 3 | 1 | 1 | 5 | 3 | 2 | 6 | 3 | 2 | 5 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| North West Pacific and East Asia | 1 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 0 |
| South Asia | 1 | 2 | 5 | 3 | 1 | 0 | 2 | 2 | 2 | 2 | 3 | 2 | 4 |
| South East Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EUROPE | 0 | 0 | 1 | 4 | 1 | 2 | 3 | 4 | 1 | 5 | 7 | 4 | 15 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 1 | 5 | 2 | 8 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 1 | 1 | 2 | 5 |
| Western Europe | 0 | 0 | 1 | 4 | 1 | 0 | 0 | 2 | 0 | 3 | 1 | 0 | 2 |
| LATIN AMERICA AND CARIBBEAN | 2 | 0 | 2 | 1 | 2 | 0 | 1 | 3 | 0 | 2 | 2 | 1 | 7 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 1 | 0 | 2 | 2 | 1 | 1 |
| South America | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 6 |
| NORTH AMERICA | 0 | 3 | 2 | 0 | 1 | 1 | 1 | 2 | 0 | 0 | 1 | 1 | 1 |
| North America | 0 | 3 | 2 | 0 | 1 | 1 | 1 | 2 | 0 | 0 | 1 | 1 | 1 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| GLOBAL TOTALS | 4 | 5 | 14 | 8 | 7 | 4 | 10 | 13 | 5 | 13 | 13 | 8 | 31 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Extreme temperature: disaster type term comprising the two disaster subsets "heat wave" and "cold wave" (long lasting period with extremely high or low surface temperature).

Extreme Temperatures - Total Affected

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|--|------|------|---------|------|-------|---------|---------|--------|------|--------|-------|--------|-------|
| AFRICA | 0 | 0 | 1000000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 105 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 105 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Africa | 0 | 0 | 1000000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 0 | 0 | 450 | 0 | 3000500 | 1100184 | 500100 | 0 | 603180 | 34000 | 0 | 0 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 3000500 | 1100184 | 500100 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 600000 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3180 | 0 | 0 | 0 |
| South Asia | 0 | 0 | 0 | 450 | 0 | 0 | 0 | 0 | 0 | 0 | 34000 | 0 | 0 |
| South East Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 0 | 240 | 260 | 8000 | 178 | 200 | 10000 | 2386 | 725246 | 1428 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 8000 | 0 | 200 | 0 | 2123 | 0 | 1070 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 260 | 0 | 108 | 0 | 0 | 263 | 725246 | 346 |
| Western Europe | 0 | 0 | 0 | 0 | 240 | 0 | 0 | 70 | 0 | 10000 | 0 | 0 | 12 |
| LATIN AMERICA AND CARIBBEAN | 600 | 0 | 0 | 0 | 16000 | 0 | 0 | 35000 | 0 | 1400 | 0 | 0 | 25977 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 16000 | 0 | 0 | 0 | 0 | 1400 | 0 | 0 | 0 |
| South America | 600 | 0 | 0 | 0 | 0 | 0 | 0 | 35000 | 0 | 0 | 0 | 0 | 25977 |
| NORTH AMERICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| GLOBAL TOTALS | 600 | 0 | 1000000 | 450 | 16240 | 3000760 | 1108184 | 535278 | 200 | 614580 | 36386 | 725246 | 27522 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SC | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Extreme temperature: disaster type term comprising the two disaster subsets "heat wave" and "cold wave" (Long lasting period with extremely high or low surface temperature).

Total affected: people that have been injured affected and left homeless after a disaster are included in this category.

Floods - Affected People

| | 1975 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|----------|----------|----------|-----------|-----------|----------|-----------|-----------|----------|
| AFRICA | 248000 | 0 | 555000 | 856583 | 770901 | 2503453 | 3592689 | 2798126 | 2296582 |
| Central Africa | 0 | 0 | 15000 | 42300 | 16000 | 26000 | 20000 | 253506 | 0 |
| Eastern Africa | 16000 | 0 | 350000 | 102375 | 90000 | 1517000 | 600500 | 23100 | 153500 |
| Northern Africa | 157000 | 0 | 48000 | 38000 | 106000 | 100000 | 900000 | 1920741 | 650 |
| Southern Africa | 75000 | 0 | 142000 | 8500 | 207000 | 808328 | 1315000 | 72000 | 2137776 |
| Western Africa | 0 | 0 | 0 | 665408 | 351901 | 51000 | 737189 | 528779 | 4656 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 1125 | 20000 | 0 | 0 |
| ASIA AND PACIFIC | 30003309 | 44338943 | 45391233 | 190695553 | 173199133 | 39070311 | 268514772 | 141932281 | 58036610 |
| Australia and New Zealand | 0 | 2900 | 6000 | 0 | 12700 | 600 | 13075 | 350 | 200 |
| Central Asia | 0 | 0 | 0 | 0 | 180000 | 0 | 62235 | 6366 | 2500 |
| North West Pacific and East Asia | 3210 | 80000 | 42189233 | 130713400 | 153301865 | 7000000 | 223292156 | 105010544 | 1435000 |
| South Asia | 27000000 | 42967300 | 2452500 | 54582331 | 9164150 | 31915328 | 45013776 | 282239485 | 44115173 |
| South East Asia | 3000099 | 1288743 | 743500 | 5399822 | 10540418 | 154383 | 133530 | 8675536 | 12483737 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EUROPE | 1000000 | 64800 | 4500 | 3634100 | 6630 | 357773 | 95490 | 539895 | 187191 |
| Central Europe | 1000000 | 64500 | 4500 | 26200 | 0 | 258225 | 25250 | 235705 | 71500 |
| Eastern Europe | 0 | 0 | 0 | 3203100 | 0 | 84148 | 66100 | 2960 | 58501 |
| Western Europe | 0 | 300 | 0 | 404800 | 6630 | 15400 | 4140 | 301230 | 57190 |
| LATIN AMERICA AND CARIBBEAN | 748000 | 503350 | 211336 | 365227 | 169066 | 235207 | 1391300 | 1904352 | 794541 |
| Caribbean | 0 | 0 | 5000 | 33180 | 11066 | 35000 | 0 | 0 | 675 |
| Meso-America | 0 | 141350 | 166211 | 54547 | 95000 | 0 | 405000 | 1145805 | 10600 |
| South America | 748000 | 362000 | 40125 | 277500 | 63000 | 200207 | 986300 | 758547 | 783266 |
| NORTH AMERICA | 0 | 111000 | 0 | 9690 | 164000 | 338890 | 26500 | 0 | 1846 |
| North America | 0 | 111000 | 0 | 9690 | 164000 | 338890 | 26500 | 0 | 1846 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 50000 | 0 | 0 | 0 | 124000 | 200 | 3000 | 12250 | 0 |
| Arabian Peninsula | 50000 | 0 | 0 | 0 | 124000 | 200 | 3000 | 12250 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 32049309 | 45018093 | 46162069 | 195561153 | 174433730 | 42505834 | 273623751 | 147186904 | 61316770 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Flood: significant rise of water level in a stream, lake, reservoir or coastal region.

Affected people: people requiring immediate assistance during a period of emergency, for example requiring basic survival needs such as food, water, shelter, sanitation and immediate medical assistance. Appearance of a significant number of cases of an infectious disease introduced in a region or a population that is usually free from that disease.

Floods - Homeless People

| | 1975 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|---------|--------|--------|---------|---------|---------|----------|---------|--------|
| AFRICA | 0 | 0 | 80868 | 351792 | 55526 | 248220 | 268850 | 408037 | 372415 |
| Central Africa | 0 | 0 | 12000 | 42300 | 1500 | 9506 | 10200 | 86919 | 300 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 233500 | 2400 | 125000 | 250500 |
| Northern Africa | 0 | 0 | 48000 | 3000 | 47700 | 3000 | 100000 | 75700 | 815 |
| Southern Africa | 0 | 0 | 20868 | 23300 | 5500 | 2104 | 4600 | 1200 | 115800 |
| Western Africa | 0 | 0 | 0 | 283192 | 826 | 0 | 151650 | 119218 | 5000 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 110 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 7000150 | 150000 | 552507 | 1237285 | 5152050 | 512633 | 17534714 | 1989834 | 274861 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 500 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 12244 | 3003 | 0 |
| North West Pacific and East Asia | 150 | 0 | 550507 | 502150 | 4468500 | 363115 | 17471000 | 1253816 | 20586 |
| South Asia | 7000000 | 150000 | 2000 | 643750 | 577050 | 115750 | 50000 | 471000 | 254000 |
| South East Asia | 0 | 0 | 0 | 91385 | 106000 | 33768 | 1470 | 224015 | 275 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38000 | 0 |
| EUROPE | 0 | 0 | 0 | 156000 | 5200 | 196789 | 65096 | 16107 | 431 |
| Central Europe | 0 | 0 | 0 | 0 | 5200 | 196293 | 1756 | 13954 | 431 |
| Eastern Europe | 0 | 0 | 0 | 156000 | 0 | 296 | 60340 | 1953 | 0 |
| Western Europe | 0 | 0 | 0 | 0 | 0 | 200 | 3000 | 200 | 0 |
| LATIN AMERICA AND CARIBBEAN | 80000 | 0 | 14500 | 124880 | 94700 | 99009 | 117244 | 528649 | 143478 |
| Caribbean | 0 | 0 | 6000 | 0 | 1000 | 0 | 0 | 50 | 1200 |
| Meso-America | 0 | 0 | 6000 | 5080 | 0 | 0 | 106744 | 104861 | 1250 |
| South America | 80000 | 0 | 2500 | 119800 | 93700 | 99009 | 10500 | 423738 | 141028 |
| NORTH AMERICA | 0 | 6000 | 0 | 1700 | 5000 | 400 | 5000 | 0 | 2000 |
| North America | 0 | 6000 | 0 | 1700 | 5000 | 400 | 5000 | 0 | 2000 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 114210 | 0 | 0 | 7500 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 114210 | 0 | 0 | 7500 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 7080150 | 156000 | 647875 | 1871657 | 5426686 | 1057051 | 17990904 | 2950127 | 793185 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Flood: significant rise of water level in a stream, lake, reservoir or coastal region.

Homeless: people needing immediate assistance in the form of shelter.

Floods - Injured People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|-------|--------|-------|-------|-------|--------|-------|--------|-------|-------|
| AFRICA | 0 | 0 | 500 | 22 | 8 | 46 | 14 | 0 | 18631 | 31 | 0 | 31 | 36 |
| Central Africa | 0 | 0 | 500 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 22 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 8 | 8 | 16 | 0 | 0 | 18601 | 0 | 0 | 2 | 5 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 30 | 7 | 0 | 0 | 28 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 3 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 93 | 27123 | 7713 | 32403 | 251792 | 992 | 22201 | 70578 | 234196 | 26709 | 123623 | 25137 | 1194 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 26 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | 23 | 0 |
| North West Pacific and East Asia | 0 | 27100 | 5913 | 32344 | 2041 | 413 | 22082 | 70571 | 234000 | 26229 | 123205 | 24122 | 432 |
| South Asia | 0 | 23 | 1600 | 45 | 200 | 291 | 116 | 0 | 142 | 86 | 374 | 305 | 120 |
| South East Asia | 93 | 0 | 200 | 14 | 249551 | 258 | 3 | 7 | 28 | 394 | 5 | 687 | 642 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EUROPE | 0 | 13 | 0 | 0 | 0 | 453 | 0 | 91 | 0 | 2409 | 291 | 30 | 34 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 91 | 0 | 2409 | 61 | 25 | 0 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 453 | 0 | 0 | 0 | 0 | 230 | 0 | 0 |
| Western Europe | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 34 |
| LATIN AMERICA AND CARIBBEAN | 0 | 50 | 100 | 82 | 320 | 92 | 198 | 55 | 0 | 321 | 750 | 4469 | 112 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 100 | 82 | 0 | 1 | 0 | 55 | 0 | 0 | 0 | 161 | 36 |
| South America | 0 | 50 | 0 | 0 | 320 | 91 | 198 | 0 | 0 | 321 | 750 | 4308 | 76 |
| NORTH AMERICA | 0 | 0 | 0 | 200 | 0 | 0 | 70 | 0 | 0 | 24 | 0 | 0 | 0 |
| North America | 0 | 0 | 0 | 200 | 0 | 0 | 70 | 0 | 0 | 24 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 93 | 27186 | 8313 | 32707 | 252120 | 1583 | 22483 | 70724 | 252827 | 29494 | 124664 | 29667 | 1376 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Flood: significant rise of water level in a stream, lake, reservoir or coastal region.

Injured: people suffering from physical injuries, trauma or an illness requiring medical treatment as a direct result of a disaster.

Floods - Killed People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------|-------|------|------|------|------|------|------|------|------|-------|-------|------|
| AFRICA | 26 | 0 | 315 | 522 | 21 | 111 | 1080 | 1246 | 340 | 2907 | 353 | 387 | 1196 |
| Central Africa | 0 | 0 | 23 | 41 | 0 | 0 | 45 | 2 | 7 | 0 | 0 | 28 | 3 |
| Eastern Africa | 0 | 0 | 44 | 0 | 0 | 2 | 249 | 47 | 40 | 2762 | 126 | 48 | 69 |
| Northern Africa | 25 | 0 | 37 | 1 | 21 | 43 | 645 | 798 | 81 | 22 | 103 | 50 | 50 |
| Southern Africa | 1 | 0 | 211 | 472 | 0 | 66 | 31 | 231 | 161 | 118 | 96 | 42 | 1053 |
| Western Africa | 0 | 0 | 0 | 8 | 0 | 0 | 110 | 168 | 51 | 0 | 28 | 219 | 21 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 593 | 10002 | 1579 | 5114 | 5133 | 4703 | 4818 | 5770 | 7219 | 3077 | 8590 | 3019 | 4554 |
| Australia and New Zealand | 0 | 0 | 6 | 6 | 0 | 1 | 0 | 0 | 5 | 0 | 4 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 1346 | 15 | 0 | 0 | 0 | 0 | 154 | 27 | 0 |
| North West Pacific and East Asia | 4 | 6323 | 649 | 1915 | 430 | 1303 | 1315 | 1611 | 4296 | 651 | 4617 | 1079 | 385 |
| South Asia | 350 | 3397 | 497 | 2682 | 3150 | 3088 | 2508 | 2829 | 2424 | 2277 | 3766 | 895 | 2910 |
| South East Asia | 239 | 282 | 427 | 511 | 207 | 296 | 995 | 1330 | 494 | 149 | 49 | 1016 | 1255 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 |
| EUROPE | 60 | 81 | 77 | 189 | 17 | 150 | 177 | 183 | 42 | 156 | 369 | 95 | 92 |
| Central Europe | 60 | 75 | 63 | 138 | 12 | 0 | 0 | 152 | 0 | 104 | 182 | 55 | 12 |
| Eastern Europe | 0 | 0 | 14 | 41 | 0 | 142 | 73 | 6 | 0 | 24 | 31 | 2 | 3 |
| Western Europe | 0 | 6 | 0 | 10 | 5 | 8 | 104 | 25 | 42 | 28 | 156 | 38 | 77 |
| LATIN AMERICA AND CARIBBEAN | 118 | 323 | 189 | 55 | 196 | 842 | 392 | 298 | 46 | 384 | 1786 | 30865 | 457 |
| Caribbean | 0 | 0 | 4 | 10 | 21 | 103 | 12 | 0 | 6 | 0 | 0 | 13 | 18 |
| Meso-America | 0 | 105 | 54 | 36 | 2 | 487 | 163 | 91 | 13 | 0 | 1414 | 728 | 178 |
| South America | 118 | 218 | 131 | 9 | 173 | 252 | 217 | 207 | 27 | 384 | 372 | 30124 | 261 |
| NORTH AMERICA | 0 | 36 | 43 | 48 | 0 | 93 | 37 | 28 | 55 | 76 | 21 | 0 | 8 |
| North America | 0 | 36 | 43 | 48 | 0 | 93 | 37 | 28 | 55 | 76 | 21 | 0 | 8 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 52 | 0 | 0 | 8 | 0 | 31 | 0 | 0 | 338 | 2 | 67 | 0 | 0 |
| Arabian Peninsula | 52 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 338 | 2 | 67 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 849 | 10442 | 2203 | 5936 | 5367 | 5930 | 6504 | 7525 | 8040 | 6602 | 11186 | 34366 | 6307 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Flood: significant rise of water level in a stream, lake, reservoir or coastal region.

Killed: persons confirmed as dead and persons missing and presumed dead.

Floods - Number

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|
| AFRICA | 6 | 0 | 7 | 6 | 1 | 10 | 18 | 18 | 12 | 17 | 22 | 34 | 37 |
| Central Africa | 0 | 0 | 1 | 2 | 0 | 0 | 3 | 2 | 1 | 1 | 3 | 6 | 1 |
| Eastern Africa | 1 | 0 | 2 | 0 | 0 | 3 | 3 | 2 | 1 | 6 | 3 | 6 | 6 |
| Northern Africa | 3 | 0 | 1 | 1 | 1 | 2 | 4 | 5 | 3 | 3 | 1 | 5 | 6 |
| Southern Africa | 2 | 0 | 3 | 1 | 0 | 3 | 2 | 5 | 3 | 5 | 5 | 4 | 15 |
| Western Africa | 0 | 0 | 0 | 2 | 0 | 2 | 6 | 4 | 4 | 1 | 9 | 13 | 9 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| ASIA AND PACIFIC | 10 | 21 | 20 | 41 | 33 | 36 | 33 | 34 | 32 | 22 | 34 | 41 | 43 |
| Australia and New Zealand | 1 | 2 | 1 | 4 | 0 | 1 | 1 | 0 | 2 | 2 | 7 | 1 | 2 |
| Central Asia | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 1 | 0 | 5 | 1 | 1 |
| North West Pacific and East Asia | 6 | 5 | 5 | 4 | 8 | 6 | 5 | 5 | 6 | 6 | 7 | 7 | 11 |
| South Asia | 1 | 10 | 9 | 21 | 16 | 15 | 14 | 14 | 11 | 10 | 12 | 14 | 15 |
| South East Asia | 2 | 4 | 5 | 12 | 7 | 10 | 12 | 15 | 12 | 4 | 3 | 17 | 13 |
| South Pacific | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| EUROPE | 1 | 4 | 5 | 7 | 6 | 10 | 14 | 17 | 9 | 15 | 17 | 15 | 34 |
| Central Europe | 1 | 2 | 3 | 2 | 2 | 0 | 0 | 6 | 2 | 4 | 7 | 7 | 8 |
| Eastern Europe | 0 | 0 | 2 | 3 | 1 | 5 | 5 | 5 | 1 | 4 | 4 | 3 | 8 |
| Western Europe | 0 | 2 | 0 | 2 | 3 | 5 | 9 | 6 | 6 | 7 | 6 | 5 | 18 |
| LATIN AMERICA AND CARIBBEAN | 2 | 11 | 17 | 8 | 15 | 18 | 13 | 16 | 12 | 11 | 9 | 21 | 31 |
| Caribbean | 1 | 0 | 2 | 2 | 3 | 7 | 1 | 1 | 5 | 1 | 0 | 1 | 3 |
| Meso-America | 0 | 4 | 4 | 4 | 1 | 5 | 4 | 6 | 2 | 0 | 2 | 11 | 8 |
| South America | 1 | 7 | 11 | 2 | 11 | 6 | 8 | 9 | 5 | 10 | 7 | 9 | 20 |
| NORTH AMERICA | 0 | 3 | 3 | 18 | 2 | 7 | 2 | 3 | 3 | 10 | 6 | 0 | 8 |
| North America | 0 | 3 | 3 | 18 | 2 | 7 | 2 | 3 | 3 | 10 | 6 | 0 | 8 |
| POLAR | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 1 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 1 | 0 |
| Arabian Peninsula | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 1 | 0 |
| Mashriq | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 20 | 39 | 52 | 82 | 57 | 82 | 80 | 88 | 69 | 76 | 90 | 112 | 153 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Flood: significant rise of water level in a stream, lake, reservoir or coastal region.

Floods - Total Affected

| | 1975 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|----------|----------|----------|-----------|-----------|----------|-----------|-----------|----------|
| AFRICA | 248000 | 0 | 636368 | 1208375 | 845058 | 2751704 | 3861539 | 3206194 | 2669033 |
| Central Africa | 0 | 0 | 27500 | 84600 | 17500 | 35506 | 30200 | 340425 | 300 |
| Eastern Africa | 16000 | 0 | 350000 | 102375 | 90000 | 1750522 | 602900 | 148100 | 404000 |
| Northern Africa | 157000 | 0 | 96000 | 41000 | 172301 | 103000 | 1000000 | 1996443 | 1470 |
| Southern Africa | 75000 | 0 | 162868 | 31800 | 212530 | 810439 | 1319600 | 73200 | 2253604 |
| Western Africa | 0 | 0 | 0 | 948600 | 352727 | 51000 | 888839 | 648026 | 9659 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 1237 | 20000 | 0 | 0 |
| ASIA AND PACIFIC | 37003552 | 44516066 | 45951453 | 180927416 | 178585379 | 39609653 | 286158809 | 143947252 | 58312665 |
| Australia and New Zealand | 0 | 2900 | 6000 | 0 | 13226 | 600 | 13075 | 350 | 200 |
| Central Asia | 0 | 0 | 0 | 0 | 180000 | 0 | 74518 | 9392 | 2500 |
| North West Pacific and East Asia | 3360 | 107100 | 42745653 | 120216121 | 158004365 | 7389344 | 240872061 | 106288482 | 1456018 |
| South Asia | 34000000 | 43117323 | 2456100 | 55220081 | 9741342 | 32031164 | 45064150 | 28710790 | 44369293 |
| South East Asia | 3000192 | 1288743 | 743700 | 5491214 | 10646446 | 188545 | 135005 | 8900238 | 12484654 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38000 | 0 |
| EUROPE | 1000000 | 64813 | 4500 | 2090191 | 11830 | 556971 | 160877 | 556032 | 187656 |
| Central Europe | 1000000 | 64500 | 4500 | 26291 | 5200 | 456927 | 27067 | 249684 | 71931 |
| Eastern Europe | 0 | 0 | 0 | 1659100 | 0 | 84444 | 126670 | 4913 | 58501 |
| Western Europe | 0 | 313 | 0 | 404800 | 6630 | 15600 | 7140 | 301435 | 57224 |
| LATIN AMERICA AND CARIBBEAN | 828000 | 503400 | 225936 | 490162 | 263766 | 334537 | 1509294 | 2437470 | 938131 |
| Caribbean | 0 | 0 | 11000 | 33180 | 12066 | 35000 | 0 | 50 | 1875 |
| Meso-America | 0 | 141350 | 172311 | 59682 | 95000 | 0 | 511744 | 1250827 | 11886 |
| South America | 828000 | 362050 | 42625 | 397300 | 156700 | 299537 | 997550 | 1186593 | 924370 |
| NORTH AMERICA | 0 | 117000 | 0 | 11390 | 169000 | 339314 | 31500 | 0 | 3846 |
| North America | 0 | 117000 | 0 | 11390 | 169000 | 339314 | 31500 | 0 | 3846 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 50000 | 0 | 0 | 0 | 238210 | 200 | 3000 | 19750 | 0 |
| Arabian Peninsula | 50000 | 0 | 0 | 0 | 238210 | 200 | 3000 | 19750 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 39129552 | 45201279 | 46818257 | 184727534 | 180113243 | 43592379 | 291725019 | 150166698 | 62111331 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Flood: significant rise of water level in a stream, lake, reservoir or coastal region.

Total affected: people that have been injured affected and left homeless after a disaster are included in this category.

Natural Disasters - Affected People

| | 1975 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|----------|----------|----------|-----------|-----------|----------|-----------|-----------|-----------|
| AFRICA | 1419199 | 8620948 | 15220000 | 9171647 | 4131131 | 6239553 | 6900589 | 5757434 | 22643780 |
| Central Africa | 0 | 0 | 15000 | 42385 | 16000 | 26000 | 20000 | 256006 | 0 |
| Eastern Africa | 16000 | 685000 | 6850000 | 1303150 | 190000 | 4103200 | 726500 | 2576055 | 17161100 |
| Northern Africa | 157000 | 478948 | 658000 | 38000 | 266000 | 100000 | 900000 | 2220741 | 700650 |
| Southern Africa | 75000 | 6000000 | 3847000 | 7121404 | 3207230 | 1408328 | 4475000 | 110000 | 3439876 |
| Western Africa | 335000 | 1450000 | 3600000 | 666708 | 351901 | 80900 | 759089 | 594632 | 4656 |
| Western Indian Ocean | 836199 | 7000 | 250000 | 0 | 100000 | 521125 | 20000 | 0 | 1337498 |
| ASIA AND PACIFIC | 30106683 | 64529318 | 67248557 | 249605748 | 199152882 | 54786491 | 284646434 | 184868662 | 226482490 |
| Australia and New Zealand | 0 | 2900 | 6000 | 2681570 | 636300 | 740 | 13075 | 12350 | 1550 |
| Central Asia | 0 | 0 | 0 | 0 | 180000 | 608000 | 62235 | 6366 | 3519500 |
| North West Pacific and East Asia | 4066 | 115309 | 47946862 | 149738912 | 169958134 | 13641907 | 224197586 | 126074944 | 33116390 |
| South Asia | 27075000 | 46708300 | 10987370 | 56837846 | 16584250 | 34976066 | 50246571 | 42531106 | 176376173 |
| South East Asia | 3004617 | 17674809 | 8132225 | 40347420 | 11792398 | 4346178 | 9812662 | 16147896 | 13468877 |
| South Pacific | 23000 | 28000 | 176100 | 0 | 1800 | 1213600 | 314305 | 96000 | 0 |
| EUROPE | 1050000 | 491100 | 204500 | 9713038 | 21290 | 520478 | 1197415 | 5763445 | 3878195 |
| Central Europe | 1050000 | 69500 | 4500 | 79050 | 500 | 258225 | 72585 | 1101705 | 96300 |
| Eastern Europe | 0 | 0 | 0 | 3204425 | 500 | 105193 | 866100 | 749210 | 3702095 |
| Western Europe | 0 | 421600 | 200000 | 6429563 | 20290 | 157060 | 258730 | 3912530 | 79800 |
| LATIN AMERICA AND CARIBBEAN | 748000 | 962350 | 2772296 | 720544 | 1299580 | 1459312 | 17159618 | 3633459 | 999353 |
| Caribbean | 0 | 450000 | 8500 | 246440 | 318100 | 39000 | 1624000 | 235357 | 675 |
| Meso-America | 0 | 147350 | 166511 | 142082 | 823467 | 1062955 | 3652468 | 1259855 | 154285 |
| South America | 748000 | 365000 | 2597285 | 332022 | 158013 | 357357 | 11883150 | 2138247 | 844393 |
| NORTH AMERICA | 200 | 116000 | 0 | 94190 | 682500 | 346160 | 741771 | 9057251 | 61514 |
| North America | 200 | 116000 | 0 | 94190 | 682500 | 346160 | 741771 | 9057251 | 61514 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 50000 | 0 | 0 | 0 | 124000 | 200 | 3000 | 521250 | 479000 |
| Arabian Peninsula | 50000 | 0 | 0 | 0 | 124000 | 200 | 3000 | 12250 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 509000 | 479000 |
| GLOBAL TOTALS | 33374082 | 74719716 | 85445353 | 269305167 | 205411383 | 63352194 | 310648827 | 209601501 | 254544332 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Natural disasters include: droughts, earthquakes, extreme temperatures, floods, slides, volcanic eruptions, wave/surges, wild fires and wind storms.

Affected: people requiring immediate assistance during a period of emergency, for example requiring basic survival needs such as food, water, shelter, sanitation and immediate medical assistance (included in the field "total affected"); Appearance of a significant number of cases of an infectious disease introduced in a region or a population that is usually free from that disease. (100 or more people affected).

Natural Disasters - Homeless People

| | 1975 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|---------|---------|---------|---------|---------|---------|----------|---------|---------|
| AFRICA | 0 | 443000 | 95868 | 358792 | 55546 | 328220 | 271650 | 454507 | 385815 |
| Central Africa | 0 | 0 | 12000 | 42300 | 1500 | 9506 | 10200 | 87429 | 300 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 233500 | 2400 | 125000 | 260665 |
| Northern Africa | 0 | 443000 | 48000 | 3000 | 47700 | 3000 | 100000 | 83200 | 815 |
| Southern Africa | 0 | 0 | 35868 | 23300 | 5520 | 2104 | 7100 | 9500 | 117135 |
| Western Africa | 0 | 0 | 0 | 290192 | 826 | 0 | 151950 | 149378 | 6300 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 80110 | 0 | 0 | 600 |
| ASIA AND PACIFIC | 7004142 | 1397479 | 2071711 | 4808830 | 5576714 | 2241472 | 28755235 | 3284795 | 1652109 |
| Australia and New Zealand | 0 | 0 | 0 | 200 | 1730 | 0 | 0 | 702 | 0 |
| Central Asia | 0 | 0 | 21500 | 0 | 0 | 0 | 12244 | 4503 | 0 |
| North West Pacific and East Asia | 1444 | 2100 | 768398 | 1352600 | 4874934 | 637409 | 28543976 | 1566215 | 350593 |
| South Asia | 7002000 | 180000 | 6000 | 1880645 | 577800 | 1171750 | 102250 | 1439942 | 344500 |
| South East Asia | 698 | 1208379 | 1246811 | 1575385 | 122250 | 416813 | 96765 | 231661 | 952016 |
| South Pacific | 0 | 7000 | 29002 | 0 | 0 | 15500 | 0 | 41772 | 5000 |
| EUROPE | 0 | 0 | 3000 | 163750 | 7200 | 235139 | 73344 | 747683 | 20726 |
| Central Europe | 0 | 0 | 0 | 250 | 7200 | 196293 | 8021 | 670224 | 1243 |
| Eastern Europe | 0 | 0 | 0 | 157200 | 0 | 596 | 61023 | 7193 | 19100 |
| Western Europe | 0 | 0 | 3000 | 6300 | 0 | 38250 | 4300 | 70266 | 383 |
| LATIN AMERICA AND CARIBBEAN | 80000 | 15500 | 58500 | 205672 | 208156 | 164709 | 241814 | 1028099 | 288973 |
| Caribbean | 0 | 15500 | 6000 | 16037 | 68596 | 200 | 122000 | 31127 | 1200 |
| Meso-America | 0 | 0 | 20000 | 63355 | 18750 | 52000 | 108564 | 107314 | 3035 |
| South America | 80000 | 0 | 32500 | 126280 | 120810 | 112509 | 11250 | 889658 | 284738 |
| NORTH AMERICA | 300 | 8900 | 0 | 3700 | 5000 | 400 | 6125 | 10009 | 6864 |
| North America | 300 | 8900 | 0 | 3700 | 5000 | 400 | 6125 | 10009 | 6864 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 114210 | 0 | 0 | 7500 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 114210 | 0 | 0 | 7500 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 7084442 | 1864879 | 2229079 | 5540744 | 5966826 | 2969940 | 29348168 | 5532593 | 2354487 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Natural disasters include: droughts, earthquakes, extreme temperatures, floods, slides, volcanic eruptions, wave/surges, wild fires and wind storms.

Homeless: people needing immediate assistance in the form of shelter (included in the field "total affected"). They are always part of the affected population. Reporting from the field should give the number of individuals that are homeless; if only the number of families or houses is reported, the figure is multiplied by the average family size for the affected area (times 5 for the developing countries, times 3 for the industrialised countries, according to UNDP country list). (100 or more people homeless).

Natural Disasters - Injured People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------|-------|--------|--------|--------|-------|-------|--------|--------|-------|--------|--------|-------|
| AFRICA | 109 | 8459 | 500 | 322 | 9937 | 107 | 2364 | 75 | 18631 | 91 | 163 | 1711 | 172 |
| Central Africa | 0 | 0 | 500 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 22 | 0 | 0 | 10 |
| Northern Africa | 0 | 8459 | 0 | 8 | 9937 | 77 | 289 | 69 | 18601 | 60 | 0 | 177 | 120 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 30 | 2000 | 0 | 30 | 7 | 163 | 485 | 38 |
| Western Africa | 0 | 0 | 0 | 300 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 49 | 3 |
| Western Indian Ocean | 109 | 0 | 0 | 0 | 0 | 0 | 51 | 0 | 0 | 2 | 0 | 1000 | 1 |
| ASIA AND PACIFIC | 199 | 33855 | 121851 | 186628 | 275258 | 29379 | 34986 | 118805 | 294806 | 55341 | 147761 | 45681 | 9731 |
| Australia and New Zealand | 0 | 40 | 0 | 100 | 0 | 555 | 444 | 169 | 103 | 0 | 0 | 24 | 0 |
| Central Asia | 0 | 0 | 16 | 6 | 100 | 0 | 0 | 0 | 0 | 0 | 39 | 23 | 0 |
| North West Pacific and East Asia | 98 | 27276 | 8607 | 40293 | 21999 | 5503 | 27260 | 110960 | 257241 | 29862 | 139178 | 37979 | 4734 |
| South Asia | 0 | 5840 | 107646 | 141202 | 750 | 21965 | 4706 | 1903 | 36337 | 23653 | 7680 | 6596 | 974 |
| South East Asia | 101 | 449 | 5577 | 5027 | 251857 | 1017 | 2574 | 5773 | 1088 | 1606 | 185 | 959 | 4023 |
| South Pacific | 0 | 250 | 5 | 0 | 552 | 339 | 2 | 0 | 37 | 220 | 679 | 100 | 0 |
| EUROPE | 3372 | 8430 | 1097 | 1708 | 2139 | 549 | 448 | 1586 | 329 | 2668 | 3491 | 52159 | 2931 |
| Central Europe | 3372 | 100 | 820 | 8 | 2084 | 0 | 6 | 454 | 200 | 2469 | 2717 | 49817 | 1171 |
| Eastern Europe | 0 | 0 | 0 | 1700 | 10 | 513 | 322 | 868 | 0 | 45 | 653 | 281 | 1672 |
| Western Europe | 0 | 8330 | 277 | 0 | 45 | 36 | 120 | 264 | 129 | 154 | 121 | 2061 | 88 |
| LATIN AMERICA AND CARIBBEAN | 600 | 514 | 1219 | 1858 | 1204 | 833 | 356 | 993 | 977 | 1455 | 13855 | 13588 | 779 |
| Caribbean | 0 | 16 | 0 | 0 | 50 | 105 | 0 | 199 | 3 | 0 | 649 | 67 | 0 |
| Meso-America | 0 | 360 | 409 | 931 | 614 | 41 | 0 | 377 | 80 | 200 | 12236 | 561 | 648 |
| South America | 600 | 138 | 810 | 927 | 540 | 687 | 356 | 417 | 894 | 1255 | 970 | 12960 | 131 |
| NORTH AMERICA | 40 | 170 | 30 | 554 | 455 | 458 | 9026 | 167 | 181 | 246 | 572 | 951 | 495 |
| North America | 40 | 170 | 30 | 554 | 455 | 458 | 9026 | 167 | 181 | 246 | 572 | 951 | 495 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 40 | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 212 |
| Arabian Peninsula | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 212 |
| GLOBAL TOTALS | 4320 | 51428 | 124697 | 191110 | 289068 | 31326 | 47180 | 121626 | 314924 | 59801 | 165842 | 114090 | 14320 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Natural disasters include: droughts, earthquakes, extreme temperatures, floods, slides, volcanic eruptions, wave/surges, wild fires and wind storms.

Injured: people suffering from physical injuries, trauma or an illness requiring medical treatment as a direct result of a disaster (included in the field "total affected"). The number of injured is entered when the term "injured" is written in the source. Injured people are always part of the affected population. Any related word like "hospitalized" is considered as injured. If there is no precise number like "hundreds of injured", 200 injured will be entered (although it is probably underestimated). (100 or more people injured).

Natural Disasters - Killed People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | 54 | 2660 | 346 | 575 | 600 | 184 | 1792 | 1288 | 452 | 3119 | 545 | 740 | 1633 |
| Central Africa | 0 | 0 | 23 | 41 | 0 | 0 | 45 | 2 | 7 | 0 | 0 | 28 | 3 |
| Eastern Africa | 0 | 0 | 44 | 13 | 0 | 2 | 308 | 47 | 40 | 2782 | 126 | 48 | 300 |
| Northern Africa | 25 | 2635 | 68 | 1 | 582 | 95 | 838 | 840 | 117 | 40 | 150 | 72 | 57 |
| Southern Africa | 12 | 0 | 211 | 472 | 0 | 73 | 277 | 231 | 225 | 118 | 226 | 72 | 1082 |
| Western Africa | 1 | 0 | 0 | 12 | 18 | 0 | 110 | 168 | 51 | 0 | 43 | 520 | 57 |
| Western Indian Ocean | 16 | 25 | 0 | 36 | 0 | 14 | 214 | 0 | 12 | 179 | 0 | 0 | 134 |
| ASIA AND PACIFIC | 2134 | 11728 | 49388 | 158339 | 9937 | 17858 | 8510 | 16715 | 11960 | 12226 | 26464 | 17029 | 6789 |
| Australia and New Zealand | 0 | 0 | 6 | 7 | 2 | 18 | 36 | 9 | 22 | 24 | 4 | 8 | 1 |
| Central Asia | 0 | 0 | 1 | 54 | 1669 | 15 | 162 | 112 | 0 | 40 | 165 | 51 | 11 |
| North West Pacific and East Asia | 405 | 6687 | 1713 | 4636 | 1357 | 2095 | 3010 | 7970 | 5803 | 1272 | 5014 | 3908 | 860 |
| South Asia | 1051 | 4071 | 43645 | 145001 | 3763 | 14422 | 3332 | 5631 | 4349 | 6367 | 17878 | 11829 | 3744 |
| South East Asia | 478 | 952 | 4003 | 8413 | 3142 | 1206 | 1965 | 2993 | 1744 | 4377 | 1180 | 1175 | 2168 |
| South Pacific | 200 | 18 | 20 | 228 | 4 | 102 | 5 | 0 | 42 | 146 | 2223 | 58 | 5 |
| EUROPE | 2485 | 4880 | 223 | 540 | 991 | 658 | 316 | 2784 | 166 | 414 | 795 | 18819 | 626 |
| Central Europe | 2445 | 115 | 81 | 139 | 885 | 144 | 30 | 255 | 16 | 166 | 526 | 18261 | 210 |
| Eastern Europe | 0 | 0 | 61 | 319 | 32 | 482 | 141 | 2388 | 19 | 65 | 53 | 178 | 255 |
| Western Europe | 40 | 4765 | 81 | 82 | 74 | 32 | 145 | 141 | 131 | 183 | 216 | 380 | 161 |
| LATIN AMERICA AND CARIBBEAN | 321 | 740 | 788 | 541 | 566 | 1680 | 1819 | 865 | 498 | 1426 | 21711 | 32256 | 762 |
| Caribbean | 26 | 322 | 12 | 10 | 25 | 110 | 1144 | 26 | 93 | 32 | 550 | 26 | 18 |
| Meso-America | 31 | 172 | 473 | 163 | 278 | 587 | 163 | 397 | 135 | 571 | 20472 | 800 | 306 |
| South America | 264 | 246 | 303 | 368 | 263 | 983 | 512 | 442 | 270 | 823 | 689 | 31430 | 438 |
| NORTH AMERICA | 195 | 500 | 209 | 127 | 97 | 406 | 269 | 869 | 367 | 256 | 338 | 477 | 173 |
| North America | 195 | 500 | 209 | 127 | 97 | 406 | 269 | 869 | 367 | 256 | 338 | 477 | 173 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 52 | 0 | 0 | 41 | 40 | 31 | 0 | 0 | 338 | 2 | 67 | 0 | 9 |
| Arabian Peninsula | 52 | 0 | 0 | 11 | 0 | 31 | 0 | 0 | 338 | 2 | 67 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 30 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| GLOBAL TOTALS | 5241 | 20508 | 50954 | 160163 | 12231 | 20817 | 12706 | 22521 | 13781 | 17443 | 49920 | 69321 | 9992 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Natural disasters include : droughts, earthquakes, extreme temperatures, floods, slides, volcanic eruptions, wave/surges, wild fires and wind storms.

Killed: persons confirmed as dead and persons missing and presumed dead.

Natural Disasters – Number

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | 20 | 16 | 19 | 14 | 21 | 21 | 32 | 32 | 23 | 27 | 34 | 56 | 70 |
| Central Africa | 1 | 0 | 1 | 2 | 0 | 1 | 3 | 3 | 1 | 1 | 3 | 7 | 1 |
| Eastern Africa | 2 | 4 | 5 | 2 | 2 | 3 | 6 | 4 | 2 | 9 | 5 | 12 | 18 |
| Northern Africa | 3 | 3 | 3 | 2 | 4 | 5 | 6 | 7 | 6 | 4 | 2 | 7 | 11 |
| Southern Africa | 3 | 2 | 7 | 1 | 12 | 7 | 7 | 12 | 8 | 7 | 11 | 10 | 23 |
| Western Africa | 9 | 6 | 2 | 4 | 2 | 4 | 6 | 6 | 4 | 3 | 12 | 18 | 13 |
| Western Indian Ocean | 2 | 1 | 1 | 3 | 1 | 1 | 4 | 0 | 2 | 3 | 1 | 2 | 4 |
| ASIA AND PACIFIC | 36 | 77 | 103 | 110 | 98 | 123 | 106 | 87 | 92 | 85 | 106 | 109 | 148 |
| Australia and New Zealand | 5 | 8 | 4 | 7 | 5 | 5 | 11 | 7 | 10 | 6 | 7 | 5 | 7 |
| Central Asia | 0 | 0 | 2 | 3 | 7 | 3 | 3 | 1 | 1 | 3 | 6 | 3 | 6 |
| North West Pacific and East Asia | 13 | 21 | 29 | 23 | 26 | 41 | 23 | 21 | 26 | 23 | 25 | 28 | 48 |
| South Asia | 10 | 29 | 31 | 36 | 29 | 37 | 28 | 27 | 27 | 31 | 39 | 36 | 41 |
| South East Asia | 4 | 18 | 21 | 37 | 25 | 28 | 39 | 31 | 25 | 14 | 18 | 31 | 44 |
| South Pacific | 4 | 1 | 16 | 4 | 6 | 9 | 2 | 0 | 3 | 8 | 11 | 6 | 2 |
| EUROPE | 5 | 12 | 72 | 24 | 25 | 26 | 28 | 38 | 20 | 32 | 39 | 53 | 99 |
| Central Europe | 2 | 5 | 6 | 5 | 9 | 5 | 4 | 8 | 5 | 7 | 15 | 19 | 31 |
| Eastern Europe | 0 | 0 | 4 | 6 | 5 | 9 | 9 | 13 | 3 | 8 | 9 | 11 | 31 |
| Western Europe | 3 | 7 | 62 | 13 | 11 | 12 | 15 | 17 | 12 | 17 | 15 | 23 | 37 |
| LATIN AMERICA AND CARIBBEAN | 9 | 27 | 39 | 29 | 32 | 42 | 30 | 53 | 37 | 36 | 46 | 63 | 67 |
| Caribbean | 2 | 10 | 12 | 2 | 5 | 10 | 5 | 13 | 13 | 3 | 6 | 15 | 5 |
| Meso-America | 2 | 7 | 10 | 12 | 9 | 13 | 7 | 18 | 11 | 11 | 21 | 22 | 24 |
| South America | 5 | 10 | 17 | 15 | 18 | 19 | 18 | 22 | 13 | 22 | 19 | 26 | 38 |
| NORTH AMERICA | 6 | 13 | 21 | 37 | 35 | 29 | 18 | 14 | 15 | 36 | 29 | 24 | 33 |
| North America | 6 | 13 | 21 | 37 | 35 | 29 | 18 | 14 | 15 | 36 | 29 | 24 | 33 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 2 | 0 | 0 | 5 | 2 | 1 | 0 | 0 | 1 | 1 | 2 | 3 | 5 |
| Arabian Peninsula | 2 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 1 | 0 |
| Mashriq | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 |
| GLOBAL TOTALS | 78 | 145 | 254 | 219 | 213 | 242 | 214 | 224 | 188 | 217 | 256 | 308 | 422 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Natural disasters include: droughts, earthquakes, extreme temperatures, floods, slides, volcanic eruptions, wave/surges, wild fires and wind storms.

Natural Disasters – Total Affected

| | 1975 | 1980 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-----------------|-----------------|-----------------|------------------|------------------|-----------------|------------------|------------------|------------------|
| AFRICA | 1419308 | 9072407 | 15316368 | 9530514 | 4205308 | 6567864 | 7172402 | 6213652 | 23029767 |
| Central Africa | 0 | 0 | 27500 | 84685 | 17500 | 35506 | 30200 | 343435 | 300 |
| Eastern Africa | 16000 | 685000 | 6850000 | 1303150 | 190000 | 4336722 | 728900 | 2701055 | 17421775 |
| Northern Africa | 157000 | 930407 | 706000 | 41069 | 332301 | 103060 | 1000000 | 2304118 | 701585 |
| Southern Africa | 75000 | 6000000 | 3882868 | 7144704 | 3212780 | 1410439 | 4482263 | 119985 | 3557049 |
| Western Africa | 335000 | 1450000 | 3600000 | 956906 | 352727 | 80900 | 911039 | 744059 | 10959 |
| Western Indian Ocean | 836308 | 7000 | 250000 | 0 | 100000 | 601237 | 20000 | 1000 | 1338099 |
| ASIA AND PACIFIC | 37111024 | 65960652 | 69442119 | 243457383 | 205024317 | 57083304 | 313535130 | 188199138 | 228144330 |
| Australia and New Zealand | 0 | 2940 | 6000 | 2681939 | 638133 | 740 | 13075 | 13076 | 1550 |
| Central Asia | 0 | 0 | 21516 | 0 | 180000 | 608000 | 74518 | 10892 | 3519500 |
| North West Pacific and East Asia | 5608 | 144685 | 48723867 | 140132472 | 175090309 | 14309178 | 252866440 | 127679138 | 33471717 |
| South Asia | 34077000 | 46894140 | 11101016 | 58714394 | 17198302 | 36171469 | 50356501 | 43977644 | 176721647 |
| South East Asia | 3005416 | 18883637 | 9384613 | 41928578 | 11915736 | 4764597 | 9909612 | 16380516 | 14424916 |
| South Pacific | 23000 | 35250 | 205107 | 0 | 1837 | 1229320 | 314984 | 137872 | 5000 |
| EUROPE | 1053372 | 499530 | 208597 | 8178374 | 28819 | 758285 | 1274250 | 6563287 | 3901852 |
| Central Europe | 1053372 | 69600 | 5320 | 79754 | 7900 | 456987 | 83323 | 1821746 | 98714 |
| Eastern Europe | 0 | 0 | 0 | 1662493 | 500 | 105834 | 927776 | 756684 | 3722867 |
| Western Europe | 0 | 429930 | 203277 | 6436127 | 20419 | 195464 | 263151 | 3984857 | 80271 |
| LATIN AMERICA AND CARIBBEAN | 828600 | 978364 | 2832015 | 927209 | 1508713 | 1625476 | 17415287 | 4675146 | 1289105 |
| Caribbean | 0 | 465516 | 14500 | 262676 | 386699 | 39200 | 1746649 | 266551 | 1875 |
| Meso-America | 0 | 147710 | 186920 | 205814 | 842297 | 1115155 | 3773268 | 1367730 | 157968 |
| South America | 828600 | 365138 | 2630595 | 458719 | 279717 | 471121 | 11895370 | 3040865 | 1129262 |
| NORTH AMERICA | 540 | 125070 | 30 | 98057 | 687681 | 346806 | 748468 | 9068211 | 68873 |
| North America | 540 | 125070 | 30 | 98057 | 687681 | 346806 | 748468 | 9068211 | 68873 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 50000 | 0 | 0 | 0 | 238210 | 200 | 3000 | 528750 | 479212 |
| Arabian Peninsula | 50000 | 0 | 0 | 0 | 238210 | 200 | 3000 | 19750 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 509000 | 479212 |
| GLOBAL TOTALS | 40462844 | 76636023 | 87799129 | 262191537 | 211693048 | 66381935 | 340148537 | 215248184 | 256913139 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Natural disasters include: droughts, earthquakes, extreme temperatures, floods, slides, volcanic eruptions, wave/surges, wild fires and wind storms.

Total affected: people that have been injured affected and left homeless after a disaster are included in this category.

Slides - Affected People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|--------|-------|-------|
| AFRICA | 0 | 0 | 0 | 0 | 0 | 300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 75000 | 0 | 5000 | 0 | 37000 | 390 | 95862 | 5515 | 600 | 1527 | 205630 | 0 | 56885 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 45000 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 5000 | 0 | 0 | 60 | 0 | 0 | 500 | 1527 | 130 | 0 | 0 |
| South Asia | 75000 | 0 | 0 | 0 | 0 | 330 | 0 | 5515 | 0 | 0 | 205000 | 0 | 0 |
| South East Asia | 0 | 0 | 0 | 0 | 37000 | 0 | 50862 | 0 | 0 | 0 | 0 | 0 | 56885 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 500 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 0 | 2750 | 0 | 0 | 63 | 400 | 0 | 0 | 10200 | 2400 |
| Central Europe | 0 | 0 | 0 | 0 | 1000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 400 |
| Eastern Europe | 0 | 0 | 0 | 0 | 1750 | 0 | 0 | 0 | 300 | 0 | 0 | 0 | 500 |
| Western Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 63 | 100 | 0 | 0 | 10200 | 1500 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 0 | 65221 | 0 | 78328 | 165000 | 0 | 7175 | 30000 | 2600 | 200 | 350 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 175 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 200 |
| South America | 0 | 0 | 0 | 65221 | 0 | 78328 | 165000 | 0 | 7000 | 30000 | 2600 | 200 | 150 |
| NORTH AMERICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 75000 | 0 | 5000 | 65221 | 39750 | 79018 | 260862 | 5578 | 8175 | 31527 | 208230 | 10400 | 59635 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Slide: disaster type comprising the two disaster subsets "avalanche" (rapid and sudden sliding and flowage of masses of usually unsorted mixtures of snow/ice/rock material) and "landslide" (in general, all varieties of slope movement, under the influence of gravity. More strictly refers to down-slope movement of rock and/or earth masses along one or several slide surfaces).

Affected people: people requiring immediate assistance during a period of emergency, for example requiring basic survival needs such as food, water, shelter, sanitation and immediate medical assistance. Appearance of a significant number of cases of an infectious disease introduced in a region or a population that is usually free from that disease.

Slides - Homeless People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|-------|-------|-------|-------|---------|-------|-------|-------|-------|--------|
| AFRICA | 0 | 0 | 0 | 0 | 0 | 650 | 19 | 0 | 0 | 0 | 2500 | 0 | 465 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 165 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 650 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2500 | 0 | 0 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 3000 | 0 | 5500 | 38400 | 300 | 37477 | 1114395 | 250 | 2294 | 3000 | 70 | 4645 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 400 | 0 | 13500 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 0 | 500 | 0 | 0 | 0 | 0 | 0 | 294 | 0 | 35 | 2000 |
| South Asia | 0 | 0 | 0 | 0 | 0 | 300 | 0 | 1114395 | 0 | 2000 | 3000 | 0 | 0 |
| South East Asia | 0 | 3000 | 0 | 0 | 38000 | 0 | 23977 | 0 | 250 | 0 | 0 | 35 | 2645 |
| South Pacific | 0 | 0 | 0 | 5000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 0 | 390 | 0 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 330 | 0 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 0 | 60 | 0 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 0 | 18271 | 500 | 125 | 0 | 2000 | 110 | 0 | 120 | 4400 | 143180 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120 | 0 | 0 |
| South America | 0 | 0 | 0 | 18271 | 500 | 125 | 0 | 2000 | 110 | 0 | 0 | 4400 | 143180 |
| NORTH AMERICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 0 | 3000 | 0 | 23771 | 38900 | 1075 | 37496 | 1116395 | 360 | 2344 | 5620 | 4860 | 148290 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Slide: disaster type comprising the two disaster subsets "avalanche" (rapid and sudden sliding and flowage of masses of usually unsorted mixtures of snow/ice/rock material) and "landslide" (in general, all varieties of slope movement, under the influence of gravity. More strictly refers to down-slope movement of rock and/or earth masses along one or several slide surfaces).

Homeless: people needing immediate assistance in the form of shelter.

Slides - Injured People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | 0 | 0 | 0 | 0 | 0 | 46 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 10 | 115 | 0 | 0 | 114 | 38 | 356 | 167 | 75 | 222 | 22 | 185 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 115 | 0 | 0 | 75 | 0 | 0 | 134 | 45 | 15 | 10 | 27 |
| South Asia | 0 | 0 | 0 | 0 | 0 | 39 | 0 | 333 | 0 | 30 | 196 | 0 | 100 |
| South East Asia | 0 | 10 | 0 | 0 | 0 | 0 | 38 | 23 | 24 | 0 | 0 | 12 | 58 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 11 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 0 | 84 | 0 | 0 | 20 | 129 | 5 | 21 | 0 | 11 |
| Central Europe | 0 | 0 | 0 | 0 | 84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| Western Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 129 | 5 | 21 | 0 | 0 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 0 | 140 | 160 | 105 | 0 | 0 | 105 | 0 | 38 | 9 | 55 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 |
| South America | 0 | 0 | 0 | 140 | 160 | 105 | 0 | 0 | 105 | 0 | 30 | 9 | 55 |
| NORTH AMERICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 0 | 10 | 115 | 140 | 244 | 265 | 48 | 376 | 401 | 80 | 281 | 31 | 251 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Slide: disaster type comprising the two disaster subsets "avalanche" (rapid and sudden sliding and flowage of masses of usually unsorted mixtures of snow/ice/rock material) and "landslide" (in general, all varieties of slope movement, under the influence of gravity. More strictly refers to down-slope movement of rock and/or earth masses along one or several slide surfaces).

Injured: people suffering from physical injuries, trauma or an illness requiring medical treatment as a direct result of a disaster.

Slides - Killed People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|
| AFRICA | 0 | 0 | 0 | 13 | 0 | 49 | 22 | 0 | 34 | 20 | 87 | 0 | 49 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 13 | 0 | 0 | 22 | 0 | 0 | 20 | 0 | 0 | 4 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 0 | 87 | 0 | 13 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 155 | 300 | 124 | 475 | 700 | 448 | 258 | 1281 | 821 | 440 | 626 | 178 | 845 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 19 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 50 | 256 | 0 | 162 | 0 | 0 | 40 | 11 | 24 | 0 |
| North West Pacific and East Asia | 30 | 0 | 73 | 200 | 49 | 84 | 48 | 37 | 564 | 210 | 100 | 23 | 85 |
| South Asia | 125 | 150 | 51 | 25 | 120 | 271 | 0 | 1224 | 92 | 171 | 502 | 0 | 227 |
| South East Asia | 0 | 150 | 0 | 0 | 275 | 93 | 48 | 20 | 118 | 0 | 0 | 131 | 533 |
| South Pacific | 0 | 0 | 0 | 200 | 0 | 0 | 0 | 0 | 38 | 0 | 13 | 0 | 0 |
| EUROPE | 40 | 40 | 43 | 0 | 291 | 434 | 0 | 51 | 84 | 29 | 9 | 61 | 73 |
| Central Europe | 0 | 40 | 0 | 0 | 291 | 135 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Eastern Europe | 0 | 0 | 43 | 0 | 0 | 299 | 0 | 17 | 0 | 0 | 0 | 0 | 38 |
| Western Europe | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 84 | 29 | 9 | 61 | 29 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 33 | 293 | 79 | 617 | 0 | 165 | 190 | 312 | 272 | 112 | 132 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 23 | 0 | 22 | 0 | 0 | 0 | 12 | 63 | 0 | 7 |
| South America | 0 | 0 | 33 | 270 | 79 | 595 | 0 | 165 | 190 | 300 | 209 | 112 | 125 |
| NORTH AMERICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 195 | 340 | 200 | 781 | 1070 | 1548 | 280 | 1497 | 1129 | 801 | 994 | 351 | 1099 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Slide: disaster type comprising the two disaster subsets "avalanche" (rapid and sudden sliding and flowage of masses of usually unsorted mixtures of snow/ice/rock material) and "landslide" (in general, all varieties of slope movement, under the influence of gravity. More strictly refers to down-slope movement of rock and/or earth masses along one or several slide surfaces).

Killed: persons confirmed as dead and persons missing and presumed dead.

Slides - Number

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 0 | 1 | 1 | 1 | 0 | 4 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 2 | 3 | 4 | 4 | 8 | 11 | 6 | 8 | 14 | 9 | 14 | 7 | 13 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 1 | 3 | 0 | 2 | 0 | 0 | 1 | 1 | 1 | 0 |
| North West Pacific and East Asia | 1 | 0 | 2 | 1 | 1 | 3 | 1 | 1 | 6 | 3 | 2 | 1 | 2 |
| South Asia | 1 | 1 | 2 | 1 | 2 | 6 | 0 | 6 | 2 | 4 | 9 | 0 | 3 |
| South East Asia | 0 | 2 | 0 | 0 | 2 | 2 | 3 | 1 | 4 | 0 | 0 | 5 | 8 |
| South Pacific | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 |
| EUROPE | 3 | 1 | 1 | 0 | 4 | 3 | 0 | 3 | 3 | 1 | 1 | 4 | 6 |
| Central Europe | 0 | 1 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Eastern Europe | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 3 |
| Western Europe | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 1 | 3 | 2 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 1 | 6 | 2 | 6 | 1 | 4 | 6 | 2 | 6 | 4 | 6 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 1 |
| South America | 0 | 0 | 1 | 5 | 2 | 5 | 1 | 4 | 5 | 1 | 4 | 4 | 5 |
| NORTH AMERICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 5 | 4 | 6 | 11 | 14 | 22 | 8 | 15 | 24 | 13 | 22 | 15 | 29 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Slide: disaster type comprising the two disaster subsets "avalanche" (rapid and sudden sliding and flowage of masses of usually unsorted mixtures of snow/ice/rock material) and "landslide" (in general, all varieties of slope movement, under the influence of gravity. More strictly refers to down-slope movement of rock and/or earth masses along one or several slide surfaces).

Slides - Total Affected

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|-------|-------|-------|--------|---------|-------|-------|--------|-------|--------|
| AFRICA | 0 | 0 | 0 | 0 | 0 | 996 | 29 | 0 | 0 | 0 | 2500 | 0 | 465 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 0 | 0 | 165 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 996 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2500 | 0 | 0 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 75000 | 3010 | 5115 | 5500 | 75400 | 804 | 133377 | 1120266 | 1017 | 3896 | 208852 | 92 | 61715 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 101 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 400 | 0 | 58500 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 5115 | 500 | 0 | 135 | 0 | 0 | 634 | 1866 | 145 | 45 | 2027 |
| South Asia | 75000 | 0 | 0 | 0 | 0 | 669 | 0 | 1120243 | 0 | 2030 | 208196 | 0 | 100 |
| South East Asia | 0 | 3010 | 0 | 0 | 75000 | 0 | 74877 | 23 | 274 | 0 | 0 | 47 | 59588 |
| South Pacific | 0 | 0 | 0 | 5000 | 0 | 0 | 0 | 0 | 8 | 0 | 511 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 0 | 2834 | 0 | 0 | 83 | 529 | 55 | 21 | 10590 | 2411 |
| Central Europe | 0 | 0 | 0 | 0 | 1084 | 0 | 0 | 0 | 0 | 0 | 0 | 330 | 403 |
| Eastern Europe | 0 | 0 | 0 | 0 | 1750 | 0 | 0 | 0 | 300 | 0 | 0 | 0 | 508 |
| Western Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83 | 229 | 55 | 21 | 10260 | 1500 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 0 | 83632 | 660 | 78558 | 165000 | 2000 | 7390 | 30000 | 2758 | 4609 | 143585 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 175 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 128 | 0 | 200 |
| South America | 0 | 0 | 0 | 83632 | 660 | 78558 | 165000 | 2000 | 7215 | 30000 | 2630 | 4609 | 143385 |
| NORTH AMERICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 75000 | 3010 | 5115 | 89132 | 78894 | 80358 | 298406 | 1122349 | 8936 | 33951 | 214131 | 15291 | 208176 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Slide: disaster type comprising the two disaster subsets "avalanche" (rapid and sudden sliding and flowage of masses of usually unsorted mixtures of snow/ice/rock material) and "landslide" (in general, all varieties of slope movement, under the influence of gravity. More strictly refers to down-slope movement of rock and/or earth masses along one or several slide surfaces).

Total affected: people that have been injured affected and left homeless after a disaster are included in this category.

Volcanic Eruptions - Affected People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|---------|--------|--------|--------|-------|-------|-------|-------|-------|--------|
| AFRICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1300 | 0 | 0 | 0 | 2500 | 0 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2500 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1300 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 52235 | 42770 | 1053549 | 41578 | 116382 | 114026 | 70 | 1800 | 3000 | 6000 | 0 | 77196 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 0 | 10000 | 40000 | 4930 | 0 | 0 | 0 | 0 | 0 | 0 | 16400 |
| South Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South East Asia | 0 | 52235 | 42770 | 1043549 | 1578 | 111452 | 8026 | 0 | 0 | 3000 | 6000 | 0 | 60796 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 106000 | 0 | 1800 | 0 | 0 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 7000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Europe | 0 | 0 | 0 | 7000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 4000 | 124000 | 305000 | 350 | 75700 | 17000 | 4743 | 4000 | 1808 | 28845 | 41800 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5000 | 4000 | 4000 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 305000 | 0 | 75700 | 12000 | 743 | 0 | 1808 | 6845 | 41800 |
| South America | 0 | 0 | 4000 | 124000 | 0 | 350 | 0 | 0 | 0 | 0 | 0 | 22000 | 0 |
| NORTH AMERICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 0 | 52235 | 46770 | 1184549 | 346578 | 116732 | 189726 | 18370 | 6543 | 7000 | 7808 | 31345 | 118996 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Volcanic eruption: discharge (aerially explosive) of fragmentary ejecta, lava and gases from a volcanic vent.

Affected people: people requiring immediate assistance during a period of emergency, for example requiring basic survival needs such as food, water, shelter, sanitation and immediate medical assistance. Appearance of a significant number of cases of an infectious disease introduced in a region or a population that is usually free from that disease.

Volcanic Eruptions - Homeless People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------|------|------|------|-------|-------|-------|------|------|------|------|------|------|
| AFRICA | 0 | 0 | 0 | 200 | 0 | 0 | 0 | 5000 | 0 | 0 | 0 | 510 | 0 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 510 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5000 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 0 | 0 | 5800 | 0 | 57000 | 46000 | 0 | 0 | 0 | 0 | 0 | 0 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South East Asia | 0 | 0 | 0 | 5800 | 0 | 57000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 46000 | 0 | 0 | 0 | 0 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 0 | 2400 | 10000 | 0 | 0 | 0 | 0 | 200 | 0 | 2200 | 0 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 200 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 10000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South America | 0 | 0 | 0 | 2400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2200 | 0 |
| NORTH AMERICA | 0 | 2500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 2500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 0 | 2500 | 0 | 8400 | 10000 | 57000 | 46000 | 5000 | 0 | 200 | 0 | 2710 | 0 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Volcanic eruption: discharge (aerially explosive) of fragmentary ejecta, lava and gases from a volcanic vent.

Homeless: people needing immediate assistance in the form of shelter.

Volcanic Eruptions - Injured People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 0 | 81 | 215 | 0 | 21 | 24 | 0 | 29 | 0 | 0 | 0 | 0 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South East Asia | 0 | 0 | 81 | 195 | 0 | 21 | 22 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 29 | 0 | 0 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 0 | 0 | 75 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South America | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NORTH AMERICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 0 | 0 | 81 | 215 | 75 | 27 | 24 | 6 | 29 | 0 | 0 | 0 | 0 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Volcanic eruption: discharge (aerially explosive) of fragmentary ejecta, lava and gases from a volcanic vent.

Injured: people suffering from physical injuries, trauma or an illness requiring medical treatment as a direct result of a disaster.

Volcanic Eruptions - Killed People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|
| AFRICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 0 | 33 | 683 | 0 | 83 | 101 | 0 | 4 | 1 | 0 | 0 | 0 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 0 | 43 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South East Asia | 0 | 0 | 33 | 640 | 0 | 82 | 96 | 0 | 0 | 1 | 0 | 0 | 0 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 4 | 0 | 0 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LATIN AMERICA AND CARIBBEAN | 2 | 0 | 0 | 0 | 2 | 16 | 0 | 0 | 0 | 52 | 0 | 0 | 0 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 0 | 0 | 0 |
| Meso-America | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 |
| South America | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NORTH AMERICA | 0 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 2 | 90 | 33 | 683 | 2 | 99 | 101 | 0 | 4 | 53 | 0 | 0 | 0 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Volcanic eruption: discharge (aerially explosive) of fragmentary ejecta, lava and gases from a volcanic vent.

Killed: persons confirmed as dead and persons missing and presumed dead.

Volcanic Eruptions - Number

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 1 | 1 | 5 | 3 | 4 | 4 | 1 | 2 | 1 | 1 | 0 | 3 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| South Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South East Asia | 0 | 1 | 1 | 4 | 1 | 3 | 3 | 0 | 0 | 1 | 1 | 0 | 1 |
| South Pacific | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Europe | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| LATIN AMERICA AND CARIBBEAN | 2 | 0 | 1 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 2 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 |
| Meso-America | 1 | 0 | 0 | 1 | 2 | 0 | 2 | 1 | 1 | 1 | 3 | 3 | 2 |
| South America | 1 | 0 | 1 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| NORTH AMERICA | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 2 | 2 | 2 | 10 | 5 | 6 | 6 | 4 | 5 | 4 | 4 | 5 | 5 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Volcanic eruption: discharge (aerially explosive) of fragmentary ejecta, lava and gases from a volcanic vent.

Volcanic Eruptions - Total Affected

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|---------|--------|--------|--------|-------|-------|-------|-------|-------|--------|
| AFRICA | 0 | 0 | 0 | 200 | 0 | 0 | 0 | 6306 | 0 | 0 | 0 | 3010 | 0 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3010 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6306 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 52235 | 42851 | 1059564 | 41578 | 173403 | 160050 | 70 | 1829 | 3000 | 6000 | 0 | 77196 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 0 | 10020 | 40000 | 4930 | 0 | 0 | 0 | 0 | 0 | 0 | 16400 |
| South Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South East Asia | 0 | 52235 | 42851 | 1049544 | 1578 | 168473 | 8048 | 0 | 0 | 3000 | 6000 | 0 | 60796 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 152002 | 0 | 1829 | 0 | 0 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 7000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Europe | 0 | 0 | 0 | 7000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 4000 | 126400 | 315075 | 356 | 75700 | 17000 | 4743 | 4200 | 1808 | 31045 | 41800 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5000 | 4000 | 4200 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 315075 | 0 | 75700 | 12000 | 743 | 0 | 1808 | 6845 | 41800 |
| South America | 0 | 0 | 4000 | 126400 | 0 | 356 | 0 | 0 | 0 | 0 | 0 | 24200 | 0 |
| NORTH AMERICA | 0 | 2500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 2500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 0 | 54735 | 46851 | 1193164 | 356653 | 173759 | 235750 | 23376 | 6572 | 7200 | 7808 | 34055 | 118996 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Volcanic eruption: discharge (aerially explosive) of fragmentary ejecta, lava and gases from a volcanic vent.

Total affected: people that have been injured affected and left homeless after a disaster are included in this category.

Waves/Surges - Affected People

| | 1975 | 1977 | 1979 | 1985 | 1987 | 1988 | 1989 | 1990 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|
| AFRICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 818 | 2000 | 9199 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South East Asia | 0 | 818 | 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Pacific | 0 | 0 | 0 | 9199 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NORTH AMERICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 0 | 818 | 2000 | 9199 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Due to scattered data availability, the years shown are different from the Data Compendium's standard table for this theme.

Wave/surge: disaster type term comprising the two disaster subsets "tsunami" and "tidal wave".

Tsunami: series of large waves generated by sudden displacement of seawater (caused by earthquake, volcanic eruption or submarine landslide); capable of propagation over large distances and causing a destructive surge on reaching land.

Tidal wave: abrupt rise of tidal water (caused by atmospheric activities) moving rapidly inland from the mouth of an estuary or from the coast.

Affected people: people requiring immediate assistance during a period of emergency, for example requiring basic survival needs such as food, water, shelter, sanitation and immediate medical assistance. Appearance of a significant number of cases of an infectious disease introduced in a region or a population that is usually free from that disease.

Waves/Surges - Homeless People

| | 1975 | 1980 | 1984 | 1985 | 1986 | 1987 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------|------|-------|------|------|-------|------|------|------|------|------|------|------|
| AFRICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 0 | 29000 | 0 | 200 | 17250 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 29000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Asia | 0 | 0 | 0 | 0 | 0 | 12000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South East Asia | 0 | 0 | 0 | 0 | 200 | 5250 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 0 | 0 | 1100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South America | 0 | 0 | 0 | 0 | 1100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NORTH AMERICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 0 | 0 | 29000 | 0 | 1300 | 17250 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Due to scattered data availability, the years shown are different from the Data Compendium's standard table for this theme.

Wave/surge: disaster type term comprising the two disaster subsets "tsunami" and "tidal wave".

Tsunami: series of large waves generated by sudden displacement of seawater (caused by earthquake, volcanic eruption or submarine landslide); capable of propagation over large distances and causing a destructive surge on reaching land.

Tidal wave: abrupt rise of tidal water (caused by atmospheric activities) moving rapidly inland from the mouth of an estuary or from the coast.

Homeless: people needing immediate assistance in the form of shelter.

Waves/Surges - Injured People

| | 1975 | 1976 | 1980 | 1983 | 1985 | 1987 | 1990 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|
| AFRICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 23 | 0 | 0 | 668 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Asia | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South East Asia | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Pacific | 0 | 0 | 0 | 0 | 668 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EUROPE | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Europe | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South America | 0 | 0 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NORTH AMERICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 0 | 25 | 0 | 24 | 668 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Due to scattered data availability, the years shown are different from the Data Compendium's standard table for this theme.

Wave/surge: disaster type term comprising the two disaster subsets "tsunami" and "tidal wave".

Tsunami: series of large waves generated by sudden displacement of seawater (caused by earthquake, volcanic eruption or submarine landslide); capable of propagation over large distances and causing a destructive surge on reaching land.

Tidal wave: abrupt rise of tidal water (caused by atmospheric activities) moving rapidly inland from the mouth of an estuary or from the coast.

Injured: people suffering from physical injuries, trauma or an illness requiring medical treatment as a direct result of a disaster.

Waves/Surges - Killed People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 200 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South East Asia | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Pacific | 200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NORTH AMERICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 200 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Wave/surge: disaster type term comprising the two disaster subsets "tsunami" and "tidal wave".

Tsunami: series of large waves generated by sudden displacement of seawater (caused by earthquake, volcanic eruption or submarine landslide); capable of propagation over large distances and causing a destructive surge on reaching land.

Tidal wave: abrupt rise of tidal water (caused by atmospheric activities) moving rapidly inland from the mouth of an estuary or from the coast.

Killed: persons confirmed as dead and persons missing and presumed dead.

Waves/Surges - Number

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 2 | 1 | 1 | 2 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| South Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| South East Asia | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 |
| South Pacific | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| NORTH AMERICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 2 | 2 | 1 | 2 | 2 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Wave/surge: disaster type term comprising the two disaster subsets "tsunami" and "tidal wave".

Tsunami: series of large waves generated by sudden displacement of seawater (caused by earthquake, volcanic eruption or submarine landslide); capable of propagation over large distances and causing a destructive surge on reaching land.

Tidal wave: abrupt rise of tidal water (caused by atmospheric activities) moving rapidly inland from the mouth of an estuary or from the coast.

Waves/Surges - Total Affected

| | 1975 | 1976 | 1977 | 1979 | 1980 | 1983 | 1984 | 1985 | 1986 | 1987 | 1990 | 1995 | 2000 |
|---|------|------|------|------|------|------|-------|------|------|-------|------|------|------|
| AFRICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 23 | 818 | 2000 | 0 | 0 | 29000 | 9867 | 200 | 17260 | 0 | 0 | 0 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 0 | 0 | 0 | 0 | 29000 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12010 | 0 | 0 | 0 |
| South East Asia | 0 | 23 | 818 | 2000 | 0 | 0 | 0 | 0 | 200 | 5250 | 0 | 0 | 0 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9867 | 0 | 0 | 0 | 0 | 0 |
| EUROPE | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Europe | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 1100 | 0 | 0 | 0 | 0 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South America | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 1100 | 0 | 0 | 0 | 0 |
| NORTH AMERICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 0 | 25 | 818 | 2000 | 0 | 24 | 29000 | 9867 | 1300 | 17260 | 0 | 0 | 0 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Wave/surge: disaster type term comprising the two disaster subsets "tsunami" and "tidal wave".

Tsunami: series of large waves generated by sudden displacement of seawater (caused by earthquake, volcanic eruption or submarine landslide); capable of propagation over large distances and causing a destructive surge on reaching land.

Tidal wave: abrupt rise of tidal water (caused by atmospheric activities) moving rapidly inland from the mouth of an estuary or from the coast.

Total affected: people that have been injured affected and left homeless after a disaster are included in this category.

Wild Fires - Affected People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------|------|------|------|------|------|---------|------|------|-------|--------|------|-------|
| AFRICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85 | 0 | 0 | 1200 | 0 | 1000 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1000 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1200 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 0 | 0 | 0 | 0 | 0 | 3045000 | 0 | 5000 | 48000 | 2300 | 2000 | 200 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 45000 | 0 | 0 | 0 | 0 | 2000 | 200 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8000 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5000 | 0 | 0 | 0 | 0 |
| South Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South East Asia | 0 | 0 | 0 | 0 | 0 | 0 | 3000000 | 0 | 0 | 32000 | 2300 | 0 | 0 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8000 | 0 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 0 | 0 | 0 | 16800 | 2200 | 700 | 1250 | 100900 | 0 | 0 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 500 | 0 | 0 | 0 | 0 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 200 | 0 | 100000 | 0 | 0 |
| Western Europe | 0 | 0 | 0 | 0 | 0 | 0 | 16800 | 2200 | 0 | 1250 | 900 | 0 | 0 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 0 | 0 | 1200 | 0 | 0 | 0 | 0 | 1300 | 12000 | 3500 | 0 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 1200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1300 | 12000 | 3500 | 0 |
| NORTH AMERICA | 0 | 5000 | 0 | 0 | 450 | 0 | 4400 | 6500 | 0 | 2600 | 49032 | 2300 | 35400 |
| North America | 0 | 5000 | 0 | 0 | 450 | 0 | 4400 | 6500 | 0 | 2600 | 49032 | 2300 | 35400 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 0 | 5000 | 0 | 0 | 1650 | 0 | 3066200 | 8785 | 5700 | 53150 | 165432 | 7800 | 36600 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Wild fire: disaster type term comprising the two disaster subsets "forest fire" and "scrub fire".

Forest fire: fires in forest that cover extensive damage. They may start by natural causes such as volcanic eruptions or lightning, or they may be caused by arsonists or careless smokers, by those burning wood, or by clearing a forest area.

Scrub fire: fires in scrub or bush that cover extensive damage. They may start by natural causes such as volcanic eruptions or lightning, or they may be caused by arsonists or careless smokers, by those burning wood, or by clearing a forest area.

Affected people: people requiring immediate assistance during a period of emergency, for example requiring basic survival needs such as food, water, shelter, sanitation and immediate medical assistance. Appearance of a significant number of cases of an infectious disease introduced in a region or a population that is usually free from that disease.

Wild Fires - Homeless People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300 | 3000 | 250 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3000 | 250 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 0 | 0 | 0 | 50000 | 0 | 1000 | 3000 | 0 | 0 | 0 | 4000 | 840 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 1000 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 840 |
| South Asia | 0 | 0 | 0 | 0 | 50000 | 0 | 0 | 0 | 0 | 0 | 0 | 4000 | 0 |
| South East Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3000 | 0 | 0 | 0 | 0 | 0 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 983 | 6 | 602 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 512 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 683 | 0 | 0 |
| Western Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300 | 6 | 90 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3800 | 0 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3800 | 0 |
| NORTH AMERICA | 0 | 0 | 0 | 7083 | 540 | 0 | 30 | 0 | 0 | 0 | 65 | 219 | 685 |
| North America | 0 | 0 | 0 | 7083 | 540 | 0 | 30 | 0 | 0 | 0 | 65 | 219 | 685 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 0 | 0 | 0 | 7083 | 50540 | 0 | 1030 | 3000 | 0 | 0 | 1348 | 11025 | 2377 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Wild fire: disaster type term comprising the two disaster subsets "forest fire" and "scrub fire".

Forest fire: fires in forest that cover extensive damage. They may start by natural causes such as volcanic eruptions or lightning, or they may be caused by arsonists or careless smokers, by those burning wood, or by clearing a forest area.

Scrub fire: fires in scrub or bush that cover extensive damage. They may start by natural causes such as volcanic eruptions or lightning, or they may be caused by arsonists or careless smokers, by those burning wood, or by clearing a forest area.

Homeless: people needing immediate assistance in the form of shelter.

Wild Fires - Injured People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 40 | 0 | 8 | 0 | 0 | 161 | 0 | 61 | 0 | 0 | 0 | 15 |
| Australia and New Zealand | 0 | 40 | 0 | 0 | 0 | 0 | 161 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 61 | 0 | 0 | 0 | 15 |
| South Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South East Asia | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 54 | 0 | 9 | 0 | 0 | 36 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Western Europe | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 54 | 0 | 9 | 0 | 0 | 19 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NORTH AMERICA | 0 | 0 | 0 | 150 | 0 | 130 | 2 | 0 | 50 | 0 | 124 | 0 | 2 |
| North America | 0 | 0 | 0 | 150 | 0 | 130 | 2 | 0 | 50 | 0 | 124 | 0 | 2 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 0 | 40 | 0 | 158 | 0 | 130 | 183 | 54 | 111 | 9 | 124 | 5 | 58 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Wild fire: disaster type term comprising the two disaster subsets "forest fire" and "scrub fire".

Forest fire: fires in forest that cover extensive damage. They may start by natural causes such as volcanic eruptions or lightning, or they may be caused by arsonists or careless smokers, by those burning wood, or by clearing a forest area.

Scrub fire: fires in scrub or bush that cover extensive damage. They may start by natural causes such as volcanic eruptions or lightning, or they may be caused by arsonists or careless smokers, by those burning wood, or by clearing a forest area.

Injured: people suffering from physical injuries, trauma or an illness requiring medical treatment as a direct result of a disaster.

Wild Fires - Killed People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 0 | 75 | 4 | 0 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 0 | 47 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 4 | 0 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 0 | 0 | 57 | 56 | 0 | 4 | 29 | 25 | 8 | 2 | 62 | 2 |
| Australia and New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 2 | 0 | 1 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 25 | 0 | 0 | 23 | 2 |
| South Asia | 0 | 0 | 0 | 0 | 56 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 0 |
| South East Asia | 0 | 0 | 0 | 57 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 0 | 0 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 0 | 66 | 0 | 21 | 0 | 19 | 14 | 7 | 0 | 23 |
| Central Europe | 0 | 0 | 0 | 0 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| Eastern Europe | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 19 | 14 | 3 | 0 | 0 |
| Western Europe | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 4 | 0 | 9 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 10 | 23 | 3 | 8 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 0 |
| South America | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 10 | 0 | 3 | 8 |
| NORTH AMERICA | 0 | 0 | 0 | 28 | 0 | 3 | 13 | 0 | 1 | 0 | 2 | 1 | 14 |
| North America | 0 | 0 | 0 | 28 | 0 | 3 | 13 | 0 | 1 | 0 | 2 | 1 | 14 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 0 | 0 | 0 | 85 | 122 | 3 | 84 | 29 | 45 | 32 | 109 | 70 | 47 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Wild fire: disaster type term comprising the two disaster subsets "forest fire" and "scrub fire".

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Scrub fire: fires in scrub or bush that cover extensive damage. They may start by natural causes such as volcanic eruptions or lightning, or they may be caused by arsonists or careless smokers, by those burning wood, or by clearing a forest area.

Killed: persons confirmed as dead and persons missing and presumed dead.

Wild Fires - Number

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 3 | 1 | 2 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 2 | 5 | 2 | 1 | 1 | 0 | 3 | 2 | 1 | 5 | 2 | 7 | 3 |
| Australia and New Zealand | 2 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 1 | 1 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 |
| South Asia | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| South East Asia | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 2 | 1 | 1 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| EUROPE | 0 | 0 | 2 | 1 | 2 | 0 | 3 | 2 | 2 | 4 | 3 | 4 | 16 |
| Central Europe | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 8 |
| Eastern Europe | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 1 | 2 | 5 |
| Western Europe | 0 | 0 | 2 | 1 | 0 | 0 | 3 | 2 | 0 | 1 | 2 | 2 | 3 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 0 | 2 | 2 | 1 | 2 | 0 | 0 | 2 | 3 | 6 | 2 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Meso-America | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| South America | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 0 | 0 | 2 | 2 | 4 | 1 |
| NORTH AMERICA | 0 | 1 | 0 | 2 | 3 | 1 | 4 | 2 | 2 | 3 | 5 | 4 | 7 |
| North America | 0 | 1 | 0 | 2 | 3 | 1 | 4 | 2 | 2 | 3 | 5 | 4 | 7 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 2 | 6 | 4 | 6 | 8 | 2 | 13 | 7 | 5 | 15 | 16 | 22 | 30 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Wild fire: disaster type term comprising the two disaster subsets "forest fire" and "scrub fire".

Forest fire: fires in forest that cover extensive damage. They may start by natural causes such as volcanic eruptions or lightning, or they may be caused by arsonists or careless smokers, by those burning wood, or by clearing a forest area.

Scrub fire: fires in scrub or bush that cover extensive damage. They may start by natural causes such as volcanic eruptions or lightning, or they may be caused by arsonists or careless smokers, by those burning wood, or by clearing a forest area.

Wild Fires - Total Affected

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|-------|-------|-------|---------|-------|-------|-------|--------|-------|-------|
| AFRICA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85 | 0 | 0 | 1500 | 3005 | 1255 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3005 | 1250 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1500 | 0 | 0 |
| Western Indian Ocean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA AND PACIFIC | 0 | 40 | 0 | 8 | 50000 | 0 | 3046161 | 3000 | 5061 | 48000 | 2300 | 6000 | 1055 |
| Australia and New Zealand | 0 | 40 | 0 | 0 | 0 | 0 | 46161 | 0 | 0 | 0 | 0 | 2000 | 200 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8000 | 0 | 0 | 0 |
| North West Pacific and East Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5061 | 0 | 0 | 0 | 855 |
| South Asia | 0 | 0 | 0 | 0 | 50000 | 0 | 0 | 0 | 0 | 0 | 0 | 4000 | 0 |
| South East Asia | 0 | 0 | 0 | 8 | 0 | 0 | 3000000 | 3000 | 0 | 32000 | 2300 | 0 | 0 |
| South Pacific | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8000 | 0 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 0 | 0 | 0 | 16820 | 2254 | 700 | 1259 | 101883 | 6 | 638 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 500 | 0 | 0 | 0 | 529 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 200 | 0 | 100683 | 0 | 0 |
| Western Europe | 0 | 0 | 0 | 0 | 0 | 0 | 16820 | 2254 | 0 | 1259 | 1200 | 6 | 109 |
| LATIN AMERICA AND CARIBBEAN | 0 | 0 | 0 | 0 | 1200 | 0 | 0 | 0 | 0 | 1300 | 12000 | 7300 | 0 |
| Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 1200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1300 | 12000 | 7300 | 0 |
| NORTH AMERICA | 0 | 5000 | 0 | 7233 | 990 | 130 | 4432 | 6500 | 50 | 2600 | 49221 | 2519 | 36087 |
| North America | 0 | 5000 | 0 | 7233 | 990 | 130 | 4432 | 6500 | 50 | 2600 | 49221 | 2519 | 36087 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 0 | 5040 | 0 | 7241 | 52190 | 130 | 3067413 | 11839 | 5811 | 53159 | 166904 | 18830 | 39035 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

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Total affected: people that have been injured affected and left homeless after a disaster are included in this category.

Wind Storms - Affected People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| AFRICA | 846199 | 7000 | 0 | 131000 | 0 | 1722 | 2500800 | 775 | 100230 | 520000 | 0 | 109663 | 1106558 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 775 | 0 | 0 | 0 | 30810 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 2000000 | 0 | 230 | 0 | 0 | 13000 | 350 |
| Western Africa | 10000 | 0 | 0 | 0 | 0 | 1722 | 0 | 0 | 0 | 0 | 0 | 65853 | 0 |
| Western Indian Ocean | 836199 | 7000 | 0 | 131000 | 0 | 0 | 500800 | 0 | 100000 | 520000 | 0 | 0 | 1106208 |
| ASIA AND PACIFIC | 28374 | 16378140 | 19596300 | 26593208 | 12924165 | 13253669 | 30942075 | 43664416 | 24497151 | 10499668 | 9640243 | 15884696 | 10366649 |
| Australia and New Zealand | 0 | 0 | 0 | 690 | 120 | 12000 | 2860000 | 431500 | 623500 | 140 | 0 | 10000 | 1150 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 856 | 35309 | 5698055 | 2595953 | 11175858 | 8631654 | 25445457 | 6254000 | 15207400 | 6637200 | 51000 | 2013800 | 9161900 |
| South Asia | 0 | 1000 | 8013870 | 15000165 | 3700 | 769500 | 878500 | 2250000 | 7417600 | 2792738 | 4887440 | 13823696 | 477500 |
| South East Asia | 4518 | 16313831 | 5708275 | 8911400 | 1741337 | 3572015 | 1758118 | 34728916 | 1248651 | 1063990 | 4695832 | 37200 | 726099 |
| South Pacific | 23000 | 28000 | 176100 | 85000 | 3150 | 268500 | 0 | 0 | 0 | 5600 | 5971 | 0 | 0 |
| EUROPE | 0 | 0 | 200000 | 0 | 3000 | 787700 | 62 | 1325 | 12060 | 21455 | 253690 | 3502100 | 2667910 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 785000 | 0 | 0 | 0 | 0 | 0 | 1000 | 0 |
| Eastern Europe | 0 | 0 | 0 | 0 | 1000 | 0 | 62 | 1325 | 0 | 21045 | 0 | 0 | 2647400 |
| Western Europe | 0 | 0 | 200000 | 0 | 2000 | 2700 | 0 | 0 | 12060 | 410 | 253690 | 3501100 | 20510 |
| LATIN AMERICA AND CARIBBEAN | 0 | 450000 | 3500 | 9800 | 0 | 332680 | 1568338 | 235060 | 1030583 | 757405 | 4273660 | 237357 | 94910 |
| Caribbean | 0 | 450000 | 3500 | 0 | 0 | 149680 | 1568338 | 208260 | 302859 | 0 | 1024000 | 235357 | 0 |
| Meso-America | 0 | 0 | 0 | 9800 | 0 | 177000 | 0 | 20800 | 727724 | 754555 | 3245660 | 2000 | 94910 |
| South America | 0 | 0 | 0 | 0 | 6000 | 0 | 6000 | 0 | 2850 | 4000 | 0 | 0 | 0 |
| NORTH AMERICA | 200 | 0 | 0 | 2900 | 30000 | 150000 | 371681 | 78000 | 518500 | 4670 | 666239 | 9054951 | 24268 |
| North America | 200 | 0 | 0 | 2900 | 30000 | 150000 | 371681 | 78000 | 518500 | 4670 | 666239 | 9054951 | 24268 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 100000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 100000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 874773 | 16835140 | 19799800 | 26736908 | 13057165 | 14525771 | 35382956 | 43979576 | 26158524 | 11803198 | 14833832 | 28788767 | 14260295 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Wind storm: disaster type comprising the following disaster subsets "cyclone", "hurricane", "storm", "tornado", "tropical storm", "typhoon", "winter storm".

Cyclone: large-scale closed circulation system in the atmosphere above the Indian Ocean and South Pacific with low barometric pressure and strong winds that rotate clockwise.

Hurricane: large-scale closed circulation system in the atmosphere above the western Atlantic with low barometric pressure and strong winds that rotate clockwise in the southern hemisphere and counter-clockwise in the northern hemisphere. Maximum wind speed of 64 knots or more.

Storm: Wind with a speed between 48 and 55 knots.

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Tropical storm: generic term for a non-frontal synoptic scale cyclone originating over tropical or sub-tropical waters with organised convection and definite cyclonic surface wind circulation.

Typhoon: large-scale closed circulation system in the atmosphere above the western Pacific with low barometric pressure and strong winds that rotate clockwise in the southern hemisphere and counter-clockwise in the northern hemisphere. Maximum wind speed of 64 knots or more.

Winter storm: snow (blizzard), ice or sleet storm.

Affected people: people requiring immediate assistance during a period of emergency, that is to say requiring basic survival needs such as food, water, shelter, sanitation and immediate medical assistance. Appearance of a significant number of cases of an infectious disease introduced in a region or a population that is usually free from that disease.

1 knot=1.87 km/h

Wind Storms - Homeless People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|------|---------|---------|---------|--------|--------|---------|---------|--------|---------|----------|---------|---------|
| AFRICA | 0 | 0 | 0 | 126500 | 0 | 0 | 546000 | 2000 | 20 | 80000 | 0 | 35460 | 12650 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10000 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 504500 | 0 | 20 | 0 | 0 | 5300 | 1050 |
| Western Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2000 | 0 | 0 | 0 | 30160 | 1000 |
| Western Indian Ocean | 0 | 0 | 0 | 126500 | 0 | 0 | 41500 | 0 | 0 | 80000 | 0 | 0 | 600 |
| ASIA AND PACIFIC | 3992 | 1214479 | 1355217 | 1946855 | 183281 | 619925 | 2142316 | 1564150 | 14494 | 1640545 | 11097671 | 1009646 | 1176722 |
| Australia and New Zealand | 0 | 0 | 0 | 18 | 0 | 45 | 320 | 200 | 1230 | 0 | 0 | 702 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1500 | 0 |
| North West Pacific and East Asia | 1294 | 2100 | 210195 | 402 | 135256 | 161363 | 693086 | 25450 | 10264 | 242000 | 11002376 | 191364 | 216376 |
| South Asia | 2000 | 0 | 4000 | 323849 | 1200 | 165000 | 205000 | 122500 | 0 | 1000000 | 0 | 809597 | 78000 |
| South East Asia | 698 | 1205379 | 1112020 | 1613586 | 41825 | 261367 | 1243910 | 1416000 | 3000 | 383045 | 95295 | 4711 | 882346 |
| South Pacific | 0 | 7000 | 29002 | 9000 | 5000 | 32150 | 0 | 0 | 0 | 15500 | 0 | 1772 | 0 |
| EUROPE | 0 | 0 | 0 | 0 | 0 | 200 | 30900 | 1200 | 0 | 300 | 0 | 940 | 560 |
| Central Europe | 0 | 0 | 0 | 0 | 0 | 200 | 5400 | 0 | 0 | 0 | 0 | 940 | 300 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 0 | 25500 | 1200 | 0 | 300 | 0 | 0 | 0 |
| Western Europe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 260 |
| LATIN AMERICA AND CARIBBEAN | 0 | 15500 | 0 | 200 | 47700 | 35500 | 131970 | 62037 | 86346 | 52500 | 123700 | 34077 | 530 |
| Caribbean | 0 | 15500 | 0 | 0 | 1700 | 3000 | 129970 | 16037 | 67596 | 0 | 122000 | 31077 | 0 |
| Meso-America | 0 | 0 | 0 | 200 | 8000 | 23000 | 0 | 46000 | 18750 | 52000 | 1700 | 2000 | 0 |
| South America | 0 | 0 | 0 | 0 | 38000 | 9500 | 2000 | 0 | 0 | 500 | 0 | 1000 | 530 |
| NORTH AMERICA | 300 | 400 | 0 | 0 | 250000 | 300 | 1051 | 2000 | 0 | 0 | 1060 | 9790 | 4179 |
| North America | 300 | 400 | 0 | 0 | 250000 | 300 | 1051 | 2000 | 0 | 0 | 1060 | 9790 | 4179 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 4000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 4000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GLOBAL TOTALS | 4292 | 1230379 | 1355217 | 2073555 | 484981 | 655925 | 2852237 | 1631387 | 100860 | 1773345 | 11222431 | 1089913 | 1194641 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

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Winter storm: snow (blizzard), ice or sleet storm.

Homeless: people needing immediate assistance in the form of shelter.

1 knot=1.87 km/h

Wind Storms - Injured People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | 109 | 0 | 0 | 300 | 0 | 0 | 2051 | 0 | 0 | 60 | 163 | 1500 | 20 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 10 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 2000 | 0 | 0 | 0 | 163 | 480 | 4 |
| Western Africa | 0 | 0 | 0 | 300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 |
| Western Indian Ocean | 109 | 0 | 0 | 0 | 0 | 0 | 51 | 0 | 0 | 0 | 0 | 1000 | 1 |
| ASIA AND PACIFIC | 106 | 871 | 2913 | 151254 | 21081 | 10825 | 8582 | 8002 | 42431 | 16744 | 6620 | 9920 | 2343 |
| Australia and New Zealand | 0 | 0 | 0 | 100 | 0 | 25 | 94 | 69 | 76 | 0 | 0 | 24 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 98 | 109 | 514 | 7376 | 19926 | 3994 | 4000 | 2998 | 5556 | 3482 | 2331 | 4853 | 1144 |
| South Asia | 0 | 73 | 700 | 139149 | 400 | 6020 | 4129 | 1570 | 36195 | 12130 | 4197 | 5043 | 729 |
| South East Asia | 8 | 439 | 1696 | 4629 | 203 | 738 | 359 | 3365 | 604 | 912 | 92 | 0 | 470 |
| South Pacific | 0 | 250 | 3 | 0 | 552 | 48 | 0 | 0 | 0 | 220 | 0 | 0 | 0 |
| EUROPE | 0 | 0 | 0 | 3 | 0 | 20 | 186 | 10 | 0 | 145 | 160 | 36 | 733 |
| Central Europe | 0 | 0 | 0 | 3 | 0 | 0 | 6 | 0 | 0 | 60 | 0 | 0 | 0 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 0 | 80 | 10 | 0 | 45 | 160 | 0 | 710 |
| Western Europe | 0 | 0 | 0 | 0 | 0 | 20 | 100 | 0 | 0 | 40 | 0 | 36 | 23 |
| LATIN AMERICA AND CARIBBEAN | 0 | 64 | 0 | 0 | 50 | 505 | 0 | 221 | 83 | 353 | 12877 | 67 | 570 |
| Caribbean | 0 | 16 | 0 | 0 | 0 | 105 | 0 | 199 | 3 | 0 | 649 | 67 | 0 |
| Meso-America | 0 | 0 | 0 | 0 | 50 | 0 | 0 | 22 | 80 | 200 | 12228 | 0 | 570 |
| South America | 0 | 48 | 0 | 0 | 0 | 400 | 0 | 0 | 0 | 153 | 0 | 0 | 0 |
| NORTH AMERICA | 40 | 170 | 0 | 100 | 55 | 328 | 454 | 167 | 131 | 222 | 448 | 951 | 452 |
| North America | 40 | 170 | 0 | 100 | 55 | 328 | 454 | 167 | 131 | 222 | 448 | 951 | 452 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 0 | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 200 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 0 | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 200 |
| GLOBAL TOTALS | 255 | 1105 | 2913 | 151657 | 21261 | 11678 | 11273 | 8400 | 42645 | 17524 | 20268 | 12474 | 4318 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

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Winter storm: snow (blizzard), ice or sleet storm.

Injured: people suffering from physical injuries, trauma or an illness requiring medical treatment as a direct result of a disaster.

1 knot=1.87 km/h

Wind Storms - Killed People

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | 28 | 25 | 0 | 40 | 0 | 21 | 490 | 0 | 26 | 192 | 18 | 327 | 157 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 18 | 0 | 0 | 4 |
| Southern Africa | 11 | 0 | 0 | 0 | 0 | 7 | 246 | 0 | 0 | 0 | 18 | 26 | 15 |
| Western Africa | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 301 | 4 |
| Western Indian Ocean | 16 | 25 | 0 | 36 | 0 | 14 | 214 | 0 | 12 | 174 | 0 | 0 | 134 |
| ASIA AND PACIFIC | 825 | 1082 | 4459 | 146818 | 1147 | 2450 | 2277 | 3275 | 3098 | 4609 | 4906 | 11128 | 731 |
| Australia and New Zealand | 0 | 0 | 0 | 1 | 2 | 0 | 27 | 8 | 8 | 3 | 0 | 7 | 1 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112 | 0 | 0 | 0 | 0 | 0 |
| North West Pacific and East Asia | 71 | 362 | 761 | 477 | 878 | 414 | 1530 | 722 | 545 | 298 | 243 | 519 | 378 |
| South Asia | 515 | 182 | 2558 | 139140 | 103 | 1257 | 460 | 900 | 1601 | 491 | 3804 | 10541 | 107 |
| South East Asia | 239 | 520 | 1120 | 7172 | 160 | 735 | 260 | 1533 | 944 | 3741 | 859 | 17 | 245 |
| South Pacific | 0 | 18 | 20 | 28 | 4 | 44 | 0 | 0 | 0 | 76 | 0 | 44 | 0 |
| EUROPE | 0 | 0 | 53 | 48 | 68 | 32 | 65 | 148 | 5 | 62 | 35 | 193 | 67 |
| Central Europe | 0 | 0 | 0 | 1 | 0 | 9 | 30 | 0 | 0 | 12 | 0 | 40 | 14 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 148 | 0 | 5 | 8 | 12 | 10 |
| Western Europe | 0 | 0 | 53 | 47 | 68 | 23 | 20 | 0 | 5 | 45 | 27 | 141 | 43 |
| LATIN AMERICA AND CARIBBEAN | 75 | 337 | 46 | 13 | 19 | 194 | 1132 | 220 | 209 | 287 | 19395 | 23 | 49 |
| Caribbean | 26 | 322 | 8 | 0 | 4 | 7 | 1132 | 26 | 87 | 0 | 550 | 13 | 0 |
| Meso-America | 29 | 0 | 38 | 13 | 15 | 75 | 0 | 188 | 122 | 246 | 18845 | 9 | 48 |
| South America | 20 | 15 | 0 | 0 | 0 | 112 | 0 | 6 | 0 | 41 | 0 | 1 | 1 |
| NORTH AMERICA | 195 | 12 | 155 | 49 | 96 | 262 | 84 | 131 | 311 | 180 | 198 | 219 | 116 |
| North America | 195 | 12 | 155 | 49 | 96 | 262 | 84 | 131 | 311 | 180 | 198 | 219 | 116 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 2 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 2 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| GLOBAL TOTALS | 1123 | 1456 | 4713 | 146970 | 1355 | 2959 | 4048 | 3774 | 3649 | 5330 | 24552 | 11890 | 1129 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

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Storm: wind with a speed between 48 and 55 knots.

Tornado: violently rotating storm diameter; the most violent weather phenomenon. It is produced in a very severe thunderstorm and appears as a funnel cloud extending from the base of a cumulonimbus to the ground.

Tropical storm: generic term for a non-frontal synoptic scale cyclone originating over tropical or sub-tropical waters with organised convection and definite cyclonic surface wind circulation.

Typhoon: large-scale closed circulation system in the atmosphere above the western Pacific with low barometric pressure and strong winds that rotate clockwise in the southern hemisphere and counter-clockwise in the northern hemisphere. Maximum wind speed of 64 knots or more.

Winter storm: snow (blizzard), ice or sleet storm.

Killed: persons confirmed as dead and persons missing and presumed dead.

1 knot=1.87 km/h

Wind Storms - Number

| | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AFRICA | 4 | 1 | 1 | 3 | 0 | 3 | 8 | 2 | 5 | 3 | 1 | 9 | 11 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 2 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 |
| Southern Africa | 1 | 0 | 1 | 0 | 0 | 1 | 3 | 0 | 2 | 0 | 1 | 2 | 3 |
| Western Africa | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 5 | 2 |
| Western Indian Ocean | 2 | 1 | 0 | 2 | 0 | 1 | 4 | 0 | 2 | 2 | 0 | 1 | 3 |
| ASIA AND PACIFIC | 16 | 27 | 47 | 38 | 37 | 57 | 36 | 26 | 32 | 27 | 34 | 30 | 50 |
| Australia and New Zealand | 1 | 5 | 2 | 2 | 4 | 2 | 4 | 4 | 7 | 1 | 0 | 3 | 4 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| North West Pacific and East Asia | 4 | 7 | 16 | 14 | 13 | 26 | 10 | 7 | 8 | 8 | 13 | 12 | 20 |
| South Asia | 6 | 5 | 10 | 6 | 5 | 13 | 8 | 5 | 10 | 8 | 10 | 9 | 10 |
| South East Asia | 2 | 9 | 10 | 13 | 11 | 11 | 14 | 9 | 7 | 5 | 7 | 2 | 16 |
| South Pacific | 3 | 1 | 9 | 3 | 4 | 5 | 0 | 0 | 0 | 5 | 4 | 3 | 0 |
| EUROPE | 0 | 1 | 53 | 5 | 4 | 9 | 7 | 6 | 2 | 5 | 5 | 13 | 15 |
| Central Europe | 0 | 0 | 0 | 1 | 0 | 3 | 2 | 0 | 0 | 1 | 0 | 3 | 1 |
| Eastern Europe | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 4 | 0 | 1 | 1 | 1 | 4 |
| Western Europe | 0 | 1 | 53 | 4 | 3 | 6 | 3 | 2 | 2 | 3 | 4 | 9 | 10 |
| LATIN AMERICA AND CARIBBEAN | 3 | 12 | 11 | 1 | 5 | 11 | 6 | 18 | 13 | 9 | 16 | 15 | 9 |
| Caribbean | 1 | 10 | 10 | 0 | 1 | 3 | 4 | 11 | 6 | 0 | 5 | 13 | 0 |
| Meso-America | 1 | 1 | 1 | 1 | 2 | 5 | 0 | 6 | 7 | 4 | 10 | 1 | 6 |
| South America | 1 | 1 | 0 | 0 | 2 | 3 | 2 | 1 | 0 | 5 | 1 | 1 | 3 |
| NORTH AMERICA | 6 | 4 | 15 | 14 | 27 | 20 | 9 | 7 | 10 | 23 | 17 | 18 | 13 |
| North America | 6 | 4 | 15 | 14 | 27 | 20 | 9 | 7 | 10 | 23 | 17 | 18 | 13 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| GLOBAL TOTALS | 29 | 45 | 127 | 62 | 74 | 100 | 66 | 59 | 62 | 67 | 73 | 85 | 99 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

Comments:

Wind storm: disaster type comprising the following disaster subsets "cyclone", "hurricane", "storm", "tornado", "tropical storm", "typhoon", "winter storm".

Cyclone: large-scale closed circulation system in the atmosphere above the Indian Ocean and South Pacific with low barometric pressure and strong winds that rotate clockwise. Maximum wind speed of 64 knots or more.

Hurricane: large-scale closed circulation system in the atmosphere above the western Atlantic with low barometric pressure and strong winds that rotate clockwise in the southern hemisphere and counter-clockwise in the northern hemisphere. Maximum wind speed of 64 knots or more.

Storm: wind with a speed between 48 and 55 knots.

Tornado: violently rotating storm diameter; the most violent weather phenomenon. It is produced in a very severe thunderstorm and appears as a funnel cloud extending from the base of a cumulonimbus to the ground.

Tropical storm: generic term for a non-frontal synoptic scale cyclone originating over tropical or sub-tropical waters with organised convection and definite cyclonic surface wind circulation.

Typhoon: large-scale closed circulation system in the atmosphere above the western Pacific with low barometric pressure and strong winds that rotate clockwise in the southern hemisphere and counter-clockwise in the northern hemisphere. Maximum wind speed of 64 knots or more.

Winter storm: snow (blizzard), ice or sleet storm.

1 knot=1.87 km/h

Wind Storms – Total Affected

| | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| AFRICA | 7000 | 0 | 257800 | 0 | 1722 | 3048851 | 2775 | 100250 | 600060 | 163 | 146623 | 1119228 |
| Central Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 775 | 0 | 0 | 0 | 30810 | 10005 |
| Northern Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 10 |
| Southern Africa | 0 | 0 | 0 | 0 | 0 | 2506500 | 0 | 250 | 0 | 163 | 18780 | 1404 |
| Western Africa | 0 | 0 | 300 | 0 | 1722 | 0 | 2000 | 0 | 0 | 0 | 96033 | 1000 |
| Western Indian Ocean | 7000 | 0 | 257500 | 0 | 0 | 542351 | 0 | 100000 | 600000 | 0 | 1000 | 1106809 |
| ASIA AND PACIFIC | 17593490 | 20954430 | 28691317 | 13128527 | 13884419 | 33092973 | 45236568 | 24553991 | 12156957 | 20744534 | 16904262 | 11545714 |
| Australia and New Zealand | 0 | 0 | 808 | 120 | 12070 | 2860414 | 431769 | 624806 | 140 | 0 | 10726 | 1150 |
| Central Asia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1500 | 0 |
| North West Pacific and East Asia | 37518 | 5908764 | 2603731 | 11331040 | 8797011 | 26142543 | 6282448 | 15223220 | 6882682 | 11055707 | 2210017 | 9379420 |
| South Asia | 1073 | 8018570 | 15463163 | 5300 | 940520 | 1087629 | 2374070 | 7453710 | 3804868 | 4891637 | 14638336 | 556229 |
| South East Asia | 17519649 | 6821991 | 10529615 | 1783365 | 3834120 | 3002387 | 36148281 | 1252255 | 1447947 | 4791219 | 41911 | 1608915 |
| South Pacific | 35250 | 205105 | 94000 | 8702 | 300698 | 0 | 0 | 0 | 21320 | 5971 | 1772 | 0 |
| EUROPE | 0 | 200000 | 3 | 3000 | 787920 | 31148 | 2535 | 12060 | 21900 | 253850 | 3503076 | 2669203 |
| Central Europe | 0 | 0 | 3 | 0 | 785200 | 5406 | 0 | 0 | 60 | 0 | 1940 | 300 |
| Eastern Europe | 0 | 0 | 0 | 1000 | 0 | 25642 | 2535 | 0 | 21390 | 160 | 0 | 2648110 |
| Western Europe | 0 | 200000 | 0 | 2000 | 2720 | 100 | 0 | 12060 | 450 | 253690 | 3501136 | 20793 |
| LATIN AMERICA AND CARIBBEAN | 465564 | 3500 | 10000 | 47750 | 368685 | 1700308 | 297318 | 1117012 | 810258 | 4410237 | 271501 | 96010 |
| Caribbean | 465516 | 3500 | 0 | 1700 | 152785 | 1698308 | 224496 | 370458 | 0 | 1146649 | 266501 | 0 |
| Meso-America | 0 | 0 | 10000 | 8050 | 200000 | 0 | 66822 | 746554 | 806755 | 3259588 | 4000 | 95480 |
| South America | 48 | 0 | 0 | 38000 | 15900 | 2000 | 6000 | 0 | 3503 | 4000 | 1000 | 530 |
| NORTH AMERICA | 570 | 0 | 3000 | 280055 | 150600 | 373186 | 80167 | 518631 | 4892 | 667747 | 9065692 | 28899 |
| North America | 570 | 0 | 3000 | 280055 | 150600 | 373186 | 80167 | 518631 | 4892 | 667747 | 9065692 | 28899 |
| POLAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antarctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST ASIA | 0 | 0 | 0 | 104075 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 200 |
| Arabian Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mashriq | 0 | 0 | 0 | 104075 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 200 |
| GLOBAL TOTALS | 18066624 | 21157930 | 28962120 | 13563407 | 15193346 | 38246466 | 45619363 | 26301944 | 13594067 | 26076531 | 29891154 | 15459254 |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** |

Comments:

Wind storm: disaster type comprising the following disaster subsets "cyclone", "hurricane", "storm", "tornado", "tropical storm", "typhoon", "winter storm".

Cyclone: large-scale closed circulation system in the atmosphere above the Indian Ocean and South Pacific with low barometric pressure and strong winds that rotate clockwise. Maximum wind speed of 64 knots or more.

Hurricane: large-scale closed circulation system in the atmosphere above the western Atlantic with low barometric pressure and strong winds that rotate clockwise in the southern hemisphere and counter-clockwise in the northern hemisphere. Maximum wind speed of 64 knots or more.

Storm: wind with a speed between 48 and 55 knots.

Tornado: violently rotating storm diameter; the most violent weather phenomenon. It is produced in a very severe thunderstorm and appears as a funnel cloud extending from the base of a cumulonimbus to the ground.

Tropical storm: generic term for a non-frontal synoptic scale cyclone originating over tropical or sub-tropical waters with organised convection and definite cyclonic surface wind circulation.

Typhoon: large-scale closed circulation system in the atmosphere above the western Pacific with low barometric pressure and strong winds that rotate clockwise in the southern hemisphere and counter-clockwise in the northern hemisphere. Maximum wind speed of 64 knots or more.

Winter storm: snow (blizzard), ice or sleet storm.

Total affected: people that have been injured affected and left homeless after a disaster are included in this category.

1 knot=1.87 km/h

Forest Fire Extent - Annual Average

Units: thousand hectares

Data Source: Global Forest Resources Assessment 2000

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1990-00

| | 1990-00 |
|---|----------------|
| AFRICA | ---- |
| Central Africa | ---- |
| Eastern Africa | ---- |
| Northern Africa | ---- |
| Southern Africa | ---- |
| Western Africa | ---- |
| Western Indian Ocean | ---- |
| ASIA AND PACIFIC | 4.46 |
| Australia and New Zealand | 0.33 |
| Central Asia | 1.80 |
| North West Pacific and East Asia | 2.33 |
| South Asia | ---- |
| South East Asia | ---- |
| South Pacific | ---- |
| EUROPE | 1050.67 |
| Central Europe | 33.45 |
| Eastern Europe | 825.71 |
| Western Europe | 191.50 |
| LATIN AMERICA AND CARIBBEAN | 556.49 |
| Caribbean | 0.42 |
| Meso-America | 66.78 |
| South America | 489.30 |
| NORTH AMERICA | 501.63 |
| North America | 501.63 |
| POLAR | ---- |
| Antarctic | ---- |
| Arctic | ---- |
| WEST ASIA | ---- |
| Arabian Peninsula | ---- |
| Mashriq | ---- |
| GLOBAL TOTALS | ---- |
| REPORTED GLOBAL TOTALS FROM ORIGINAL DATA SOURCES | **** |

Comments:

Forest fire extent - annual average comprises the reported forest areas exposed to fire.

Total forest includes natural forests and forest plantations. The term is used to refer to land with a tree cover of more than 10 percent and area of more than 0.5 ha. Forests are determined both by the presence of trees and the absence of other predominant land uses. The trees should be able to reach a minimum height of 5 m. Young stands that have not yet reached, but are expected to reach, a crown density of 10 percent and tree height of 5 m are included under forest, as are temporarily unstocked areas. The term includes forests used for purposes of production, protection, multiple use or conservation (i.e. forest in national parks, nature reserves and other protected areas), as well as forest stands on agricultural lands (e.g. windbreaks and shelterbelts of trees with a width of more than 20 m) and rubberwood plantations and cork oak stands. The term specifically excludes stands of trees established primarily for agricultural production, for example fruit tree plantations. It also excludes trees planted in agroforestry systems.

2 National Data Sets

2.1 Coastal and Marine

In this section, only those countries and territories are listed for which there is coastal and marine data. Countries for which the data value is not available (216) are not shown.

Units: square kilometres

Data Source: The Global Maritime Boundaries Database (GMBD)

Data Provider: Viridian - MRJ Technology Solutions

Year: 2000

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Exclusive Fishing Zone

| Countries and Territories | 2000 |
|--|---------|
| Albania | 6210 |
| Algeria | 60515 |
| Angola | 438017 |
| Aruba | 2789 |
| Belgium | 2089 |
| Benin | 26768 |
| Congo | 41362 |
| Cyprus | 13679 |
| Democratic Republic of the Congo | 121 |
| Ecuador | 957044 |
| El Salvador | 87510 |
| Finland | 55123 |
| France | 73382 |
| Greece | 114914 |
| Ireland | 358922 |
| Italy | 155629 |
| Jordan | 100 |
| Liberia | 239100 |
| Libyan Arab Jamahiriya | 20900 |
| Malta | 7459 |
| Netherlands | 50309 |
| Netherlands Antilles | 11951 |
| Nicaragua | 94900 |
| Peru | 746525 |
| Qatar | 19788 |
| Sierra Leone | 155928 |
| Singapore | 744 |
| Somalia | 759253 |
| South Africa | 1450596 |
| Spain | 205200 |
| Taiwan | 248755 |
| Turkey | 81006 |
| United Kingdom of Great Britain and Northern Ireland | 753752 |
| Uruguay | 110543 |

Comments:

The exclusive fishing zone or fishery zone refers to an area beyond the outer limit of the territorial sea (12 nautical miles from the coast) in which the coastal state has the right to fish, subject to any concessions which may be granted to foreign fishermen. Some countries have made no claim beyond the territorial sea. Some states have claimed an exclusive fishing zone instead of the more encompassing 200 nautical mile exclusive economic zone (EEZ).

2.2 Atmosphere

In this section, are listed only countries and territories where the atmosphere variable has been registered between the year 1990 and the year 1998. Countries where the data was nil or not present are not shown.

2.2.1 Emissions of GHG, ODS, Dust, Metals

Greenhouse gases (GHGs)

The United Nations Framework Convention on Climate Change (UNFCCC) addresses such greenhouse gases as carbon dioxide (CO_2), methane (CH_4), and nitrous oxide (N_2O). The Kyoto Protocol also addresses hydrofluorocarbons (HFCs), per-fluorocarbons (PFCs), and sulphur hexafluoride (SF_6).

For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

1 gigagram corresponds to 1 thousand metric tonne.

Data source

The data is based on the national greenhouse gas inventories and national communications submitted regularly to the Climate Change Secretariat by the parties to the UNFCCC.

Annex I parties

The industrialized countries listed in this annex to the Climate Change Convention tried to return their greenhouse gas emissions to 1990 levels by the year 2000. They have also accepted emission targets for the period 2008-12. They include the following members Australia, Austria, Belarus, Belgium, Bulgaria, Canada, Czech Republic, Denmark, European Economic Community, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Latvia, Lithuania, Luxembourg, Netherlands, New Zealand, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey¹, Ukraine, United Kingdom of Great Britain and Northern Ireland and the United States of America.

¹ As of 18/07/2002 Turkey is not party to the UNFCCC

Emissions of CH₄ - Total Anthropogenic (UNFCCC)

Units: gigagrams of CH₄

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

Copyright © 2001 United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

| Countries and Territories | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Australia | 5577.2 | 5480.6 | 5475.5 | 5406.0 | 5326.4 | 5402.1 | 5444.8 | 5482.8 | 5596.1 |
| Austria | 537.6 | 527.1 | 514.4 | 508.3 | 500.0 | 489.4 | 481.5 | 470.0 | 459.4 |
| Belarus | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Belgium | 612.1 | 614.0 | 612.8 | 623.7 | 597.5 | 596.9 | 597.4 | 584.3 | 581.3 |
| Bulgaria | 1333.8 | 1353.3 | 1247.0 | 1121.4 | 818.0 | 887.7 | ---- | 892.4 | 654.4 |
| Canada | 3541.7 | 3668.9 | 3788.8 | 3916.1 | 4018.4 | 4162.6 | 4294.2 | 4317.3 | 4260.9 |
| Croatia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Czech Republic | 778.5 | 710.8 | 667.9 | 632.7 | 613.4 | 599.5 | 573.0 | 562.3 | 529.4 |
| Denmark | 278.5 | 280.7 | 280.8 | 285.4 | 282.1 | 281.0 | 279.2 | 272.2 | 286.9 |
| Estonia | 105.2 | 102.1 | 91.3 | 79.7 | 79.5 | 67.7 | 63.2 | 103.1 | 101.0 |
| Finland | 291.3 | 271.0 | 247.8 | 227.1 | 221.0 | 222.9 | 215.7 | 207.9 | 197.6 |
| France | 3022.4 | 3024.4 | 2985.3 | 2970.1 | 2903.5 | 2844.6 | 2717.1 | 2617.9 | 2584.4 |
| Germany | 5571.0 | 5013.0 | 4654.0 | 4267.0 | 4022.0 | 3893.1 | 3555.1 | 3517.2 | 3484.4 |
| Greece | 451.6 | 455.3 | 459.4 | 464.1 | 473.2 | 479.4 | 493.5 | 500.0 | 508.9 |
| Hungary | 664.4 | 900.4 | 796.7 | 780.1 | 764.3 | 775.9 | 801.7 | 776.8 | 678.5 |
| Iceland | 14.0 | 13.9 | 13.7 | 13.7 | 13.8 | 13.6 | ---- | ---- | ---- |
| Ireland | 611.3 | 618.7 | 620.5 | 623.8 | 626.6 | 633.9 | 645.7 | 654.6 | 649.1 |
| Italy | 1899.5 | 1911.0 | 1830.2 | 1825.3 | 1883.1 | 1913.7 | 1922.4 | 1952.2 | 1970.4 |
| Japan | 1542.9 | 1523.0 | 1513.0 | 1504.5 | 1489.4 | 1476.7 | 1447.3 | 1388.6 | ---- |
| Latvia | 186.3 | 183.0 | 150.0 | 105.0 | 97.7 | 101.3 | 93.1 | 92.6 | 96.9 |
| Liechtenstein | 1.0 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Lithuania | 378.0 | ---- | ---- | ---- | ---- | 299.0 | 285.0 | 302.0 | 176.8 |
| Luxembourg | 23.9 | ---- | ---- | ---- | 21.9 | 22.1 | ---- | ---- | ---- |
| Monaco | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Netherlands | 1292.3 | 1308.8 | 1256.0 | 1224.6 | 1203.0 | 1172.5 | 1164.5 | 1105.3 | 1065.4 |
| New Zealand | 1676.8 | 1641.8 | 1612.2 | 1614.1 | 1624.0 | 1625.9 | 1623.9 | 1593.8 | 1591.6 |
| Norway | 314.7 | 319.8 | 326.6 | 331.7 | 340.2 | 342.9 | 345.9 | 351.2 | 346.0 |
| Poland | 3141.0 | 2588.8 | 2474.0 | 2431.7 | 2467.0 | 2457.2 | 2252.3 | 2278.6 | 2335.5 |
| Portugal | 690.2 | 718.8 | 659.7 | 640.9 | 653.0 | 696.2 | 659.6 | 646.8 | 683.1 |
| Romania | 2357.0 | 1734.2 | 1603.3 | 1522.8 | 1460.9 | ---- | ---- | ---- | ---- |
| Russian Federation | 26500.0 | ---- | ---- | ---- | 19610.0 | 19064.0 | 18544.0 | ---- | ---- |
| Slovakia | 363.6 | 333.8 | 303.7 | 287.4 | 280.5 | 289.3 | 297.9 | 285.3 | 268.9 |
| Slovenia | 176.2 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Spain | 1648.9 | 1676.7 | 1720.5 | 1748.1 | 1794.7 | 1839.8 | 1936.3 | 1993.6 | 2076.9 |
| Sweden | 284.1 | 324.5 | 320.3 | 320.2 | 302.4 | 297.4 | 261.3 | 260.8 | 256.0 |
| Switzerland | 241.9 | 242.9 | 240.5 | 238.3 | 234.1 | 233.2 | 230.0 | 226.8 | 219.5 |
| Turkey | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Ukraine | 9402.3 | 8653.8 | 8347.7 | 7932.2 | 7570.3 | 7294.9 | 7059.4 | 6606.1 | 6456.7 |
| United Kingdom of Great Britain and Northern Ireland | 3676.8 | 3627.2 | 3533.3 | 3178.8 | 2943.5 | 2916.9 | 2853.8 | 2762.8 | 2635.9 |
| United States of America | 31054.3 | 31020.0 | 31329.0 | 31203.2 | 31710.9 | 32147.4 | 31972.0 | 32083.7 | 31592.8 |

Comments:

Emissions of CH₄ - total anthropogenic (UNFCCC): total anthropogenic emissions of CH₄ (methane) includes emissions from the energy (fuel combustion and fugitive fuel) and agricultural (livestock and other) sectors, waste and other.

For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

Emissions of CO₂ - Anthropogenic Emissions and Removals from Land-Use Change and Forestry
(UNFCCC)

Units: gigagrams of CO₂

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

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| Countries and Territories | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Australia | 70091.9 | 43437.2 | 39942.0 | 37466.7 | 35894.6 | 35376.5 | 37945.3 | 36548.9 | 35173.0 |
| Austria | -9214.8 | -13503.9 | -8656.5 | -8982.4 | -7861.6 | -7254.0 | -5385.2 | -7633.4 | -7633.4 |
| Belarus | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Belgium | -2057.0 | -2057.0 | -2057.0 | -2057.0 | -2057.0 | -2057.0 | -2057.0 | -976.8 | -976.8 |
| Bulgaria | -4656.7 | -7879.7 | -7635.8 | -7021.7 | -6974.0 | -7520.3 | ---- | -5852.0 | -6232.7 |
| Canada | -39141.0 | -57269.4 | -45351.5 | -34578.6 | -29728.8 | -21128.5 | -28885.8 | -23624.9 | -21833.0 |
| Croatia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Czech Republic | -2281.0 | -5027.0 | -6041.0 | -5643.0 | -3943.0 | -5454.0 | -4478.7 | -4639.0 | -3757.5 |
| Denmark | -916.0 | -920.0 | -923.0 | -927.0 | -930.0 | -934.0 | -947.0 | -959.0 | -973.0 |
| Estonia | -11317.0 | ---- | ---- | ---- | -11125.0 | -13266.0 | ---- | 7992.8 | -3356.2 |
| Finland | -23797.7 | -38206.9 | -31893.5 | -29116.3 | -17259.4 | -14687.3 | -21032.4 | -12637.1 | -9712.6 |
| France | -59617.0 | -56488.0 | -61246.0 | -65865.0 | -67495.0 | -65615.0 | -67197.0 | -68090.0 | -69783.0 |
| Germany | -33719.0 | -33719.0 | -33719.0 | -33719.0 | -33719.0 | -33493.0 | -33493.0 | -33493.0 | -33493.0 |
| Greece | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Hungary | -3097.0 | -3238.8 | -3822.9 | -4697.9 | -4820.1 | -4797.9 | -3931.4 | -4205.0 | -4410.5 |
| Iceland | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Ireland | -5020.1 | -5175.6 | -5375.5 | -5586.3 | -5724.0 | -5913.5 | -6064.6 | -6271.3 | -6448.4 |
| Italy | -25614.3 | -25853.5 | -25083.9 | -23370.5 | -23494.0 | -23225.5 | -24286.8 | -23633.3 | -23633.8 |
| Japan | -83903.1 | -83865.2 | -85567.8 | -90084.3 | -93544.8 | -96705.0 | ---- | ---- | ---- |
| Latvia | -10825.6 | -14186.0 | -14235.0 | -14228.0 | -14206.0 | -10483.6 | -14320.0 | -14315.4 | -10508.5 |
| Liechtenstein | -22.0 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Lithuania | -8848.0 | ---- | ---- | ---- | ---- | 2800.0 | 2800.0 | 2800.0 | 7711.9 |
| Luxembourg | -295.0 | ---- | ---- | ---- | -295.0 | -295.0 | ---- | ---- | ---- |
| Monaco | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Netherlands | -1500.0 | -1600.0 | -1600.0 | -1600.0 | -1700.0 | -1700.0 | -1700.0 | -1700.0 | -1700.0 |
| New Zealand | -21529.8 | -20513.2 | -18283.2 | -16238.6 | -15608.2 | -16162.8 | -16529.7 | -18169.8 | -20895.9 |
| Norway | -9590.0 | -11700.0 | -13250.0 | -13510.0 | -15680.0 | -13640.0 | -17611.0 | -16499.0 | -17587.8 |
| Poland | -34746.0 | -42758.0 | -40815.0 | -40179.0 | -41953.0 | -42880.0 | -42616.7 | -40521.2 | -29820.0 |
| Portugal | -3994.0 | -4119.2 | -4244.4 | -4369.6 | -4494.8 | -4620.0 | -4638.0 | -4656.0 | -4674.0 |
| Romania | -2925.3 | -6590.1 | -6590.0 | -6590.0 | -6590.0 | ---- | ---- | ---- | ---- |
| Russian Federation | -392000.0 | --- | ---- | ---- | 568000.0 | 840000.0 | 840000.0 | --- | --- |
| Slovakia | -2426.2 | -2426.2 | -2426.2 | -2426.2 | -3234.9 | -3234.9 | -4233.4 | -4085.8 | -1682.7 |
| Slovenia | -2293.3 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Spain | -29252.2 | -29252.2 | -29252.2 | -29252.2 | -29252.2 | -29252.2 | -29252.2 | -29252.2 | -29252.2 |
| Sweden | -34368.0 | -34368.0 | -30000.0 | -30000.0 | -30000.0 | -30000.0 | -31774.4 | -32296.0 | -27679.7 |
| Switzerland | -4343.0 | -4404.0 | -4527.0 | -5718.0 | -5757.0 | -5729.0 | -5925.0 | -6169.0 | -6109.0 |
| Turkey | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Ukraine | -52107.1 | -52963.5 | -52658.0 | -52917.4 | -52720.9 | -52939.6 | -66150.6 | -68806.4 | -68708.3 |
| United Kingdom of Great Britain and Northern Ireland | 21185.9 | 21175.6 | 20398.5 | 18311.3 | 15690.4 | 14526.0 | 14770.0 | 14575.0 | 14984.2 |
| United States of America | -1159993.7 | -1159646.4 | -1159299.1 | -779934.7 | -778285.1 | -776658.7 | -774725.5 | -774083.0 | -773018.9 |

Comments:

Emissions of CO₂ - total anthropogenic and removals from land-use change and forestry (UNFCCC): are all the emissions of CO₂ associated with human activities including land-use change and forestry. These include emissions from fuel combustion, industrial processes, agriculture, waste, and other.

For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

Emissions of CO₂ - from Fuel Combustion (UNFCCC)

Units: gigagrams of CO₂

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

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| Countries and Territories | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Australia | 265289.2 | 267478.3 | 270072.8 | 273212.9 | 276771.9 | 288767.2 | 298581.8 | 306037.3 | 324203.3 |
| Austria | 46685.4 | 51068.2 | 46162.4 | 45827.4 | 46933.3 | 48703.7 | 51103.8 | 50909.0 | 51388.9 |
| Belarus | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Belgium | 104189.8 | 111144.0 | 111196.7 | 109127.2 | 113510.9 | 114594.9 | 117995.1 | 113867.0 | 114500.8 |
| Bulgaria | 95494.7 | 61170.2 | 55064.2 | 57678.2 | 54239.3 | 56608.8 | ----- | 53458.3 | 51388.2 |
| Canada | 415689.9 | 405838.1 | 419730.1 | 416893.4 | 429922.9 | 440965.1 | 452945.3 | 464819.3 | 476426.5 |
| Croatia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Czech Republic | 160073.0 | 148807.0 | 135629.0 | 130661.0 | 123631.0 | 124647.0 | 129516.2 | 133925.2 | 124486.0 |
| Denmark | 51516.3 | 61713.0 | 56250.3 | 58039.0 | 61528.3 | 58577.9 | 71767.7 | 62173.3 | 58146.5 |
| Estonia | 37183.8 | 36342.2 | 27453.3 | 21786.0 | 22667.5 | 20637.6 | 21216.2 | 20362.0 | 18889.6 |
| Finland | 53888.9 | 53825.8 | 51397.0 | 52252.0 | 58337.3 | 55891.1 | 61972.8 | 59780.8 | 57403.7 |
| France | 357722.5 | 383061.8 | 375004.2 | 355118.0 | 350813.8 | 356884.6 | 370734.6 | 364998.9 | 386358.6 |
| Germany | 986832.5 | 951136.0 | 902919.0 | 893006.0 | 877158.0 | 876528.1 | 899196.0 | 867425.5 | 861181.0 |
| Greece | 77292.0 | 77147.4 | 79171.1 | 79383.5 | 81130.9 | 82095.6 | 83211.4 | 87763.8 | 91967.5 |
| Hungary | 80089.0 | 65256.0 | 58636.0 | 58755.0 | 57046.0 | 57567.0 | 58174.0 | 56552.0 | 54621.1 |
| Iceland | 1673.7 | 1627.9 | 1753.8 | 1810.3 | 1772.6 | 1773.6 | ----- | ----- | ----- |
| Ireland | 29577.5 | 30230.9 | 30856.7 | 30472.3 | 31774.8 | 32389.1 | 33626.2 | 35735.6 | 37706.9 |
| Italy | 398320.0 | 397160.4 | 395022.1 | 391899.4 | 388683.1 | 413302.6 | 409602.8 | 411229.8 | 430294.8 |
| Japan | 1052964.1 | 1072761.7 | 1085210.8 | 1064440.9 | 1133291.2 | 1138351.8 | 1153542.3 | 1150675.2 | ----- |
| Latvia | 24208.9 | 18836.0 | 16137.0 | 14368.0 | 11757.0 | 11899.9 | 10875.3 | 12662.9 | 8051.3 |
| Liechtenstein | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Lithuania | 37332.0 | ---- | ---- | ---- | ---- | 14800.0 | 15800.0 | 15800.0 | 13982.0 |
| Luxembourg | 12133.0 | ---- | ---- | ---- | 11520.0 | 9109.0 | ---- | ---- | ---- |
| Monaco | 106.1 | 122.2 | 129.8 | 131.8 | 134.9 | 131.5 | 137.9 | 139.4 | 134.2 |
| Netherlands | 159040.0 | 164850.0 | 163440.0 | 165900.0 | 166750.0 | 172960.0 | 180030.0 | 178010.0 | 176760.0 |
| New Zealand | 22396.6 | 22670.1 | 24448.0 | 23735.3 | 23846.0 | 23842.2 | 24861.5 | 26822.8 | 25531.1 |
| Norway | 26369.7 | 25728.7 | 26413.0 | 27450.7 | 28791.4 | 28492.2 | 31214.1 | 31553.3 | 31643.9 |
| Poland | 462998.0 | 357661.0 | 360927.0 | 353842.0 | 362083.0 | 337942.0 | 363498.6 | 350875.9 | 326858.0 |
| Portugal | 39019.6 | 40807.6 | 44909.3 | 43613.0 | 44363.4 | 46972.3 | 45349.1 | 46590.9 | 49063.3 |
| Romania | 185575.4 | 130464.8 | 125498.0 | 122644.0 | 121327.0 | ----- | ----- | ----- | ----- |
| Russian Federation | 2298900.0 | 2123000.0 | 1948000.0 | 1805000.0 | 1601100.0 | 1550000.0 | 1463000.0 | ----- | ----- |
| Slovakia | 56691.0 | 50375.0 | 45667.0 | 43720.0 | 40660.0 | 41904.0 | 42494.0 | 41670.0 | 39001.5 |
| Slovenia | 13294.4 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Spain | 205673.5 | 213403.9 | 223784.6 | 211498.6 | 222031.1 | 232254.0 | 220255.3 | 239338.6 | 245698.3 |
| Sweden | 51328.0 | 51205.0 | 51787.0 | 51881.0 | 53946.0 | 53385.0 | 59390.6 | 52586.5 | 52717.8 |
| Switzerland | 39673.0 | 41854.0 | 41846.0 | 39611.0 | 38789.0 | 39764.0 | 40554.0 | 39894.0 | 41138.4 |
| Turkey | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Ukraine | 672074.8 | 557747.4 | 549438.7 | 484956.2 | 390118.0 | 365332.9 | 331975.9 | 307090.9 | 298489.0 |
| United Kingdom of Great Britain and Northern Ireland | 55765.6 | 566206.3 | 552584.3 | 538962.3 | 533078.1 | 526632.8 | 544963.5 | 520881.5 | 522887.7 |
| United States of America | 4840482.8 | 4787926.2 | 4876887.1 | 4992123.1 | 5067247.8 | 5103837.9 | 5284900.8 | 5355899.9 | 5383501.6 |

Comments:

Emissions of CO₂ - fuel combustion (UNFCCC): emissions of CO₂ from fuel combustion include emissions from energy industries, manufacturing industries and Construction, transport and other fuel combustion sectors.

For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

Emissions of CO₂ - from Fuel Combustion (UNFCCC)

Units: gigagrams of CO₂

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

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| Countries and Territories | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Australia | 6654.1 | 6329.8 | 6211.4 | 6520.2 | 7277.3 | 7018.5 | 7109.9 | 7138.6 | 7823.0 |
| Austria | 12745.2 | 12207.4 | 11139.9 | 11298.6 | 11935.8 | 12133.3 | 11629.4 | 12727.0 | 11919.1 |
| Belarus | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Belgium | 9140.1 | 9546.7 | 9665.9 | 9705.7 | 10332.0 | 10707.0 | 11261.1 | 7373.4 | 7374.8 |
| Bulgaria | 8361.0 | 4872.6 | 4118.3 | 4181.1 | 4938.9 | 5723.0 | ---- | 5368.8 | 3761.6 |
| Canada | 32724.3 | 33508.0 | 33121.4 | 34886.3 | 35785.7 | 36464.4 | 38065.8 | 38398.7 | 38065.8 |
| Croatia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Czech Republic | 5417.0 | 4335.0 | 4591.0 | 4190.0 | 4114.0 | 4170.0 | 2479.0 | 2498.0 | 2661.5 |
| Denmark | 1005.5 | 1178.1 | 1300.5 | 1311.0 | 1317.8 | 1311.0 | 1388.1 | 1539.3 | 1436.3 |
| Estonia | 612.9 | 613.8 | 313.1 | 193.0 | 214.8 | 221.5 | 206.4 | 353.5 | 342.3 |
| Finland | 1129.8 | 1000.0 | 1025.0 | 858.0 | 840.0 | 810.0 | 840.0 | 900.0 | 921.4 |
| France | 21253.8 | 19421.1 | 17940.0 | 17179.6 | 18228.3 | 18703.1 | 17440.9 | 17549.6 | 18008.7 |
| Germany | 27668.0 | 24814.0 | 25389.0 | 25262.0 | 26954.0 | 26388.0 | 24932.0 | 25000.0 | 25000.0 |
| Greece | 7685.8 | 7598.9 | 7510.3 | 7732.8 | 7259.7 | 7846.3 | 8074.8 | 8231.3 | 8300.4 |
| Hungary | 3587.0 | 1381.9 | 1167.9 | 1318.3 | 1396.7 | 1437.7 | 1547.6 | 1587.4 | 2151.5 |
| Iceland | 390.5 | 357.3 | 360.6 | 408.2 | 408.8 | 425.0 | ---- | ---- | ---- |
| Ireland | 1930.6 | 1954.2 | 1964.7 | 1877.7 | 2141.1 | 2040.7 | 2002.6 | 2264.1 | 2250.2 |
| Italy | 27531.6 | 27106.1 | 27502.5 | 23451.1 | 22617.5 | 23169.1 | 22877.4 | 23051.6 | 23682.3 |
| Japan | 58794.7 | 60381.4 | 60998.4 | 60332.7 | 61302.7 | 61236.1 | 61078.7 | 59500.6 | ---- |
| Latvia | 562.5 | 584.0 | 286.0 | 113.4 | 154.0 | 127.3 | 185.2 | 179.4 | 235.8 |
| Liechtenstein | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Lithuania | 2203.0 | ---- | ---- | ---- | ---- | 400.0 | 400.0 | 400.0 | 2524.8 |
| Luxembourg | 585.0 | ---- | ---- | ---- | 447.0 | 406.0 | ---- | ---- | ---- |
| Monaco | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Netherlands | 1900.0 | 1500.0 | 1300.0 | 1200.0 | 1400.0 | 1600.0 | 1800.0 | 1700.0 | 1500.0 |
| New Zealand | 2386.1 | 2510.5 | 2646.6 | 2770.2 | 2671.0 | 2736.6 | 2741.9 | 2789.0 | 2739.9 |
| Norway | 6548.1 | 6108.8 | 6009.3 | 6516.3 | 7061.6 | 7473.1 | 7514.0 | 7571.2 | 7777.2 |
| Poland | 13574.0 | 9247.0 | 10603.0 | 9248.0 | 9422.0 | 10144.0 | 8937.8 | 10664.2 | 10487.0 |
| Portugal | 3678.2 | 3728.5 | 3561.2 | 3707.7 | 3732.0 | 4073.0 | 3999.7 | 4430.8 | 4329.6 |
| Romania | 9243.6 | 5188.1 | 4655.0 | 4435.0 | 4263.0 | ---- | ---- | ---- | ---- |
| Russian Federation | 46300.0 | 43603.0 | 35702.0 | 29801.6 | 24000.0 | 23080.0 | 18920.0 | ---- | ---- |
| Slovakia | 5545.6 | 4124.6 | 4645.3 | 4261.9 | 4515.7 | 4719.6 | 4499.3 | 4734.1 | 4770.3 |
| Slovenia | 640.9 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Spain | 16667.2 | 16123.2 | 14670.7 | 13976.1 | 16139.4 | 17171.1 | 16834.6 | 20794.0 | 23057.8 |
| Sweden | 3786.3 | 3683.7 | 4123.4 | 4004.6 | 4227.3 | 4457.5 | 3711.2 | 3802.6 | 4124.2 |
| Switzerland | 3363.0 | 3034.0 | 2736.0 | 2548.0 | 2731.0 | 2622.0 | 2220.0 | 2207.0 | 2204.0 |
| Turkey | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Ukraine | 31716.8 | 28730.5 | 28476.8 | 19266.1 | 16720.0 | 15595.2 | 14791.7 | 15815.6 | 15956.0 |
| United Kingdom of Great Britain and Northern Ireland | 13987.9 | 11657.4 | 11057.6 | 11191.0 | 14823.4 | 15109.3 | 15959.0 | 15321.0 | 15518.0 |
| United States of America | 54426.5 | 53197.0 | 53512.1 | 55136.7 | 58431.9 | 61735.1 | 63170.3 | 66021.4 | 67446.8 |

Comments:

Emissions of CO₂ - industrial processes (UNFCCC): emissions of CO₂ (carbon dioxide) from industrial processes of mineral products, chemical industry, metal production, other production and other.

For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

Emissions of CO₂ - Total Anthropogenic (UNFCCC) Excluding Land-Use Change and Forestry

Units: gigagrams of CO₂

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

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| Countries and Territories | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Australia | 278669.0 | 280206.0 | 282769.4 | 286295.6 | 290366.6 | 302277.1 | 312286.5 | 319531.9 | 337972.7 |
| Austria | 62130.1 | 66021.6 | 60152.0 | 59899.1 | 61754.2 | 63694.3 | 65911.3 | 66788.5 | 66603.5 |
| Belarus | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Belgium | 113997.1 | 121420.2 | 121591.3 | 119518.9 | 124311.9 | 125576.1 | 129654.4 | 121339.5 | 121974.8 |
| Bulgaria | 103855.7 | 66042.8 | 59182.5 | 61859.3 | 59178.2 | 62331.8 | ---- | 59148.3 | 55149.9 |
| Canada | 465755.4 | 456369.1 | 469538.6 | 468038.5 | 482059.0 | 493840.8 | 506554.6 | 518376.1 | 529430.9 |
| Croatia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Czech Republic | 165490.0 | 153142.0 | 140220.0 | 134851.0 | 127745.0 | 128817.0 | 132537.5 | 137125.3 | 128268.3 |
| Denmark | 52893.7 | 63516.2 | 58190.7 | 59928.1 | 63413.7 | 60347.9 | 73657.3 | 64346.7 | 60124.5 |
| Estonia | 37796.7 | 36956.0 | 27766.0 | 21979.0 | 22852.3 | 20859.1 | 21423.0 | 20715.5 | 19231.9 |
| Finland | 60771.1 | 60399.7 | 57878.8 | 58637.7 | 64813.4 | 62227.2 | 68386.5 | 66177.3 | 63945.5 |
| France | 387589.8 | 411325.4 | 401632.0 | 381064.7 | 377852.3 | 383816.9 | 396515.5 | 391113.1 | 412860.2 |
| Germany | 1014500.5 | 975950.0 | 928308.0 | 918268.0 | 904112.0 | 902916.1 | 924128.0 | 892425.5 | 886181.0 |
| Greece | 85163.9 | 84936.9 | 86868.7 | 87289.7 | 88570.1 | 90121.2 | 91466.1 | 96175.7 | 100449.1 |
| Hungary | 83676.0 | 66637.9 | 59803.9 | 60073.3 | 58442.7 | 59004.7 | 59721.6 | 58139.4 | 57600.6 |
| Iceland | 2147.2 | 2068.1 | 2197.4 | 2302.0 | 2264.7 | 2282.0 | ---- | ---- | ---- |
| Ireland | 31574.6 | 32256.2 | 32892.7 | 32421.1 | 33987.1 | 34501.0 | 35699.9 | 38070.8 | 40019.4 |
| Italy | 432565.1 | 430912.2 | 429331.4 | 422324.2 | 418104.4 | 443184.2 | 439478.7 | 441232.2 | 459460.6 |
| Japan | 1124532.1 | 1147844.5 | 1162310.4 | 1143843.5 | 1213939.8 | 1219418.2 | 1235592.6 | 1230831.1 | ---- |
| Latvia | 24771.5 | 19420.0 | 16423.0 | 14482.0 | 11910.0 | 12027.2 | 11065.1 | 12842.3 | 8287.1 |
| Liechtenstein | 208.0 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Lithuania | 39535.0 | ---- | ---- | ---- | ---- | 15200.0 | 16200.0 | 16200.0 | 16693.8 |
| Luxembourg | 12750.0 | ---- | ---- | ---- | 11998.0 | 9545.0 | ---- | ---- | ---- |
| Monaco | 108.1 | 125.4 | 132.9 | 135.4 | 138.4 | 135.0 | 141.4 | 143.1 | 138.0 |
| Netherlands | 161360.0 | 166910.0 | 165210.0 | 167450.0 | 168340.0 | 177130.0 | 184790.0 | 183230.0 | 181370.0 |
| New Zealand | 25397.9 | 25881.0 | 27761.9 | 27136.0 | 27197.5 | 27206.5 | 28276.3 | 30371.8 | 28941.0 |
| Norway | 35146.1 | 33604.8 | 34266.8 | 35917.5 | 37939.7 | 38157.3 | 41119.3 | 41426.5 | 41699.6 |
| Poland | 476625.0 | 366958.0 | 371591.0 | 363160.0 | 371588.0 | 348172.0 | 372530.3 | 361626.3 | 337450.0 |
| Portugal | 43132.1 | 44976.0 | 48928.2 | 47774.4 | 48587.1 | 51531.4 | 49821.5 | 51504.9 | 53890.5 |
| Romania | 194826.1 | 135660.2 | 130160.0 | 127086.0 | 125597.0 | 132290.2 | 122389.7 | 122305.6 | 117106.6 |
| Russian Federation | 2372300.0 | ---- | ---- | ---- | 1660000.0 | 1590420.0 | 1495920.0 | ---- | ---- |
| Slovakia | 62236.6 | 54499.6 | 50312.3 | 47981.9 | 45175.7 | 46623.6 | 46993.3 | 46404.1 | 43771.8 |
| Slovenia | 13935.3 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Spain | 226057.2 | 233257.4 | 242275.4 | 229514.8 | 242279.4 | 252957.6 | 240847.3 | 264117.8 | 273017.3 |
| Sweden | 55443.3 | 55218.1 | 56207.1 | 56182.3 | 58438.2 | 58107.5 | 63352.0 | 56684.1 | 56952.8 |
| Switzerland | 44409.0 | 46285.0 | 45990.0 | 43566.0 | 42928.0 | 43805.0 | 44212.0 | 43549.0 | 44809.4 |
| Turkey | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Ukraine | 703791.7 | 586477.9 | 577915.5 | 504222.3 | 406838.0 | 380928.1 | 346767.6 | 322906.5 | 314445.0 |
| United Kingdom of Great Britain and Northern Ireland | 584220.4 | 588046.8 | 573655.9 | 559619.8 | 559333.4 | 551325.3 | 570278.2 | 544252.1 | 546389.9 |
| United States of America | 4914351.2 | 4862349.4 | 4951560.7 | 5072270.7 | 5150787.0 | 5193841.2 | 5376080.9 | 5449974.1 | 5478051.3 |

Comments:

Emissions of CO₂ - total anthropogenic (UNFCCC) excluding land-use change and forestry: are all the emissions of CO₂ associated with human activities excluding land-use change and forestry. Emissions included are emitted from fuel combustion, industrial processes, agriculture, waste, and other.

For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

Emissions of CO₂ - from Transport (UNFCCC)

Units: gigagrams of CO₂

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

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| Countries and Territories | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Australia | 59287.8 | 58576.9 | 60094.8 | 60831.9 | 62378.0 | 64870.0 | 66914.8 | 68487.6 | 68433.6 |
| Austria | 13569.7 | 15058.7 | 15054.2 | 15103.7 | 16163.1 | 15431.9 | 15379.4 | 15792.5 | 16752.5 |
| Belarus | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Belgium | 20568.7 | 21140.9 | 22490.3 | 22514.8 | 22248.0 | 22523.6 | 22785.5 | 24334.2 | 24697.2 |
| Bulgaria | 12638.7 | 6524.6 | 6435.4 | 7443.9 | 6547.0 | 6844.6 | ---- | 5674.1 | 6475.2 |
| Canada | 145833.4 | 140611.1 | 144669.1 | 147814.2 | 155224.2 | 159440.3 | 163927.8 | 170334.7 | 174251.8 |
| Croatia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Czech Republic | 7959.0 | 6869.0 | 8143.0 | 8314.0 | 8260.0 | 8912.0 | 9895.8 | 11391.6 | 10779.0 |
| Denmark | 10741.4 | 11245.0 | 11373.4 | 11627.8 | 11339.2 | 11509.7 | 11748.9 | 12070.2 | 12421.2 |
| Estonia | 2655.6 | 2385.0 | 1432.4 | 1607.2 | 1786.0 | 1700.1 | 1534.1 | 1096.6 | 1236.4 |
| Finland | 12475.2 | ---- | 11592.0 | 10993.0 | 11414.4 | 11125.8 | 10994.1 | 11531.4 | 12299.0 |
| France | 121281.8 | 123991.4 | 126846.4 | 127672.0 | 129435.7 | 131313.9 | 131801.7 | 134478.4 | 137986.7 |
| Germany | 162280.9 | 165953.0 | 171661.0 | 176532.0 | 172899.0 | 176468.0 | 176942.0 | 177689.0 | 180874.0 |
| Greece | 15358.4 | 16134.9 | 16561.9 | 16760.9 | 16866.8 | 16972.1 | 17257.9 | 18040.0 | 19790.3 |
| Hungary | 7741.0 | 7383.0 | 7189.0 | 7141.0 | 7212.0 | 7001.0 | 6612.0 | 7741.0 | 8380.5 |
| Iceland | 720.8 | 726.6 | 728.8 | 738.0 | 742.9 | 748.9 | ---- | ---- | ---- |
| Ireland | 4960.6 | 5206.0 | 5624.5 | 5591.4 | 5828.7 | 6306.4 | 7063.5 | 7683.8 | 8768.2 |
| Italy | 95616.2 | 94849.3 | 99426.3 | 102031.3 | 103849.3 | 105300.3 | 108309.7 | 110188.3 | 110167.0 |
| Japan | 205632.6 | 215312.7 | 220473.0 | 222474.1 | 233425.3 | 240292.4 | 246873.6 | 251375.9 | ---- |
| Latvia | 5829.1 | 3167.0 | 2836.0 | 2577.0 | 2229.0 | 1748.8 | 1611.9 | 2178.4 | 2126.2 |
| Liechtenstein | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Lithuania | 5791.0 | ---- | ---- | ---- | ---- | 3500.0 | 3800.0 | 4100.0 | 3754.4 |
| Luxembourg | 2625.0 | ---- | ---- | ---- | 3685.0 | 3426.0 | ---- | ---- | ---- |
| Monaco | 39.5 | 45.5 | 50.7 | 47.2 | 48.7 | 47.2 | 46.8 | 46.6 | 45.3 |
| Netherlands | 28560.0 | 28550.0 | 29830.0 | 30460.0 | 30800.0 | 32030.0 | 33820.0 | 34350.0 | 34720.0 |
| New Zealand | 8660.3 | 8661.6 | 9047.1 | 9458.2 | 10160.1 | 10868.8 | 10989.2 | 11241.6 | 11435.3 |
| Norway | 11645.8 | 11616.1 | 11832.9 | 12394.1 | 12180.2 | 12553.9 | 13153.9 | 13390.9 | 13752.1 |
| Poland | 28238.0 | 27815.0 | 30475.0 | 27675.0 | 29533.0 | 25285.0 | 28098.3 | 26662.4 | 28127.0 |
| Portugal | 11404.2 | 12132.7 | 13122.6 | 13696.6 | 14096.8 | 14646.1 | 15439.3 | 15969.0 | 16180.5 |
| Romania | 7893.0 | 7520.9 | 6834.0 | 7498.0 | 7744.0 | ---- | ---- | ---- | ---- |
| Russian Federation | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Slovakia | 3179.2 | 3179.2 | 3179.2 | 3179.2 | 3179.2 | 3179.2 | 3179.2 | 3179.2 | 3179.2 |
| Slovenia | 3179.2 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Spain | 58003.6 | 60803.6 | 64694.7 | 61161.2 | 65755.8 | 66747.3 | 71874.0 | 71892.1 | 78390.0 |
| Sweden | 18650.0 | 18613.0 | 19099.0 | 18322.0 | 18685.0 | 19341.0 | 19572.6 | 18956.7 | 21139.7 |
| Switzerland | 14144.0 | 14668.0 | 14983.0 | 13933.0 | 14117.0 | 13815.0 | 13885.0 | 14462.0 | 14690.0 |
| Turkey | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Ukraine | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| United Kingdom of Great Britain and Northern Ireland | 116721.5 | 116193.8 | 117646.7 | 118822.4 | 119175.2 | 118066.0 | 122679.0 | 123756.0 | 122899.2 |
| United States of America | 1413362.8 | 1381485.7 | 1420961.6 | 1451269.7 | 1494605.6 | 1523797.4 | 1570219.8 | 1582574.5 | 1607581.5 |

Comments:

Emissions of CO₂ - transport (UNFCCC): emissions of CO₂ from transport exclude emissions from international bunkers (aviation and marine).

For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

Emissions of CO₂, CH₄, N₂O, HFCs, PFCs and SF₆ - Aggregated (UNFCCC) Excluding CO₂ from Land-Use Change and Forestry

Units: gigagrams of CO₂

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

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| Countries and Territories | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Australia | 423237 | 422863 | 424340 | 426671 | 428429 | 441702 | 452866 | 462025 | 484699 |
| Austria | 75452 | 79209 | 73091 | 72770 | 74515 | 77948 | 78304 | 78920 | 80315 |
| Belarus | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Belgium | 136463 | 143959 | 143838 | 142234 | 147647 | 149853 | 154172 | 144510 | 145372 |
| Bulgaria | 157090 | 115679 | 103710 | 102084 | 92586 | 98083 | ---- | 84461 | 84317 |
| Canada | 611770 | 605618 | 620531 | 623834 | 643742 | 658774 | 676609 | 687282 | 692230 |
| Croatia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Czech Republic | 189837 | 175323 | 161221 | 154710 | 147291 | 148103 | 153579 | 157816 | 147777 |
| Denmark | 69567 | 80138 | 74278 | 76348 | 79624 | 76557 | 89785 | 80064 | 76144 |
| Estonia | 40719 | 39813 | 30210 | 24087 | 24925 | 22653 | 23122 | 23097 | 21756 |
| Finland | 75202 | 73845 | 69949 | 70328 | 76355 | 74729 | 80946 | 78711 | 76315 |
| France | 553778 | 575977 | 561298 | 535560 | 532545 | 539473 | 551382 | 545649 | 558726 |
| Germany | 1208807 | 1156666 | 1103602 | 1084324 | 1065610 | 1062021 | 1077143 | 1040351 | 1019745 |
| Greece | 105346 | 105303 | 106685 | 107713 | 109693 | 112322 | 114713 | 119895 | 124315 |
| Hungary | 101633 | 86789 | 78033 | 77895 | 76089 | 76757 | 78068 | 75783 | 83677 |
| Iceland | 2576 | 2484 | 2603 | 2704 | 2669 | 2696 | ---- | ---- | ---- |
| Ireland | 53497 | 54167 | 54780 | 54542 | 56439 | 57316 | 58918 | 61364 | 63718 |
| Italy | 518502 | 518472 | 514401 | 506719 | 503381 | 530889 | 527315 | 531043 | 541542 |
| Japan | 1213262 | 1240415 | 1259601 | 1238461 | 1309509 | 1322293 | 1336250 | 1330555 | ---- |
| Latvia | 35669 | 29401 | 25525 | 22081 | 19170 | 19196 | 18064 | 15959 | 11504 |
| Liechtenstein | 260 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Lithuania | 51548 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 23851 |
| Luxembourg | 13448 | ---- | ---- | ---- | 12674 | 10223 | ---- | ---- | ---- |
| Monaco | 111 | 128 | 136 | 139 | 142 | 139 | 145 | 147 | 142 |
| Netherlands | 217882 | 223803 | 221229 | 223231 | 225638 | 234404 | 242620 | 240666 | 236251 |
| New Zealand | 73068 | 72738 | 73998 | 73160 | 73703 | 73866 | 74927 | 76368 | 74886 |
| Norway | 52141 | 49915 | 48162 | 50303 | 52357 | 52387 | 55326 | 55624 | 56148 |
| Poland | 564286 | 437448 | 439045 | 429649 | 438895 | 416530 | 436545 | 426220 | 402477 |
| Portugal | 63858 | 66327 | 68962 | 67410 | 68317 | 72760 | 70121 | 71578 | 74870 |
| Romania | 264879 | 179762 | 172168 | 167187 | 164026 | ---- | ---- | ---- | ---- |
| Russian Federation | 3040062 | ---- | ---- | ---- | 2149969 | 2065711 | 1962441 | ---- | ---- |
| Slovakia | 76304 | 67006 | 61552 | 58043 | 55125 | 56940 | 56754 | 55922 | 52818 |
| Slovenia | 19212 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Spain | 305746 | 312445 | 321788 | 306558 | 324156 | 336705 | 332235 | 358634 | 369856 |
| Sweden | 69399 | 64888 | 65742 | 65724 | 67683 | 68403 | 77043 | 71405 | 73842 |
| Switzerland | 53005 | 54933 | 54607 | 52151 | 51437 | 52285 | 52624 | 52454 | 53706 |
| Turkey | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Ukraine | 919220 | 784111 | 765090 | 678301 | 572045 | 538833 | 499634 | 466471 | 454934 |
| United Kingdom of Great Britain and Northern Ireland | 741489 | 742375 | 718732 | 694022 | 694670 | 685071 | 705714 | 681355 | 679850 |
| United States of America | 6048786 | 5999520 | 6111024 | 6232086 | 6354316 | 6411034 | 6616008 | 6702213 | 6726997 |

Comments:

Emissions of CO₂, CH₄, N₂O, HFCs, PFCs and SF₆ - aggregated excluding CO₂ from land-use change and forestry.

The global warming potential (GWP) is an index used to translate the level of emissions of various gases into a common measure in order to compare the relative radiative forcing of different gases without directly calculating the changes in atmospheric concentrations. GWPs are calculated as the ratio of the radiative forcing that would result from the emissions of one kilogram of a greenhouse gas to that from the emission of one kilogram of carbon dioxide over a period of time (usually 100 years). Gases involved in complex atmospheric chemical processes have not been assigned GWPs.

For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

Emissions of CO₂, CH₄, N₂O, HFCs, PFCs and SF₆ - Aggregated (UNFCCC) Including CO₂ from Land-Use Change and Forestry

Units: gigagrams of CO₂

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

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| Countries and Territories | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Australia | 493329 | 466300 | 464282 | 464137 | 464323 | 477078 | 490811 | 498574 | 519873 |
| Austria | 66237 | 65705 | 64435 | 63787 | 66653 | 70695 | 72918 | 71287 | 72682 |
| Belarus | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Belgium | 134406 | 141902 | 141781 | 140177 | 145590 | 147796 | 152115 | 143534 | 144396 |
| Bulgaria | 152433 | 107800 | 96074 | 95063 | 85612 | 90562 | ---- | 78609 | 78084 |
| Canada | 572628 | 548349 | 575179 | 589255 | 614013 | 637646 | 647723 | 663658 | 670396 |
| Croatia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Czech Republic | 187556 | 170296 | 155180 | 149067 | 143348 | 142649 | 149101 | 153177 | 144019 |
| Denmark | 68651 | 79218 | 73355 | 75421 | 78694 | 75622 | 88838 | 79105 | 75171 |
| Estonia | 29402 | 39813 | 30210 | 24087 | 13800 | 9387 | 23122 | 31090 | 18400 |
| Finland | 51404 | 35638 | 38055 | 41212 | 59096 | 60041 | 59914 | 66073 | 66602 |
| France | 494162 | 519488 | 500051 | 469695 | 465050 | 473858 | 484185 | 477559 | 488943 |
| Germany | 1175088 | 1122947 | 1069883 | 1050605 | 1031891 | 1028528 | 1043650 | 1006858 | 986252 |
| Greece | 105345 | 105303 | 106685 | 107713 | 109693 | 112322 | 114713 | 119895 | 124315 |
| Hungary | 98536 | 83550 | 74211 | 73197 | 71269 | 71959 | 74137 | 71578 | 79266 |
| Iceland | 2576 | 2484 | 2603 | 2704 | 2669 | 2697 | ---- | ---- | ---- |
| Ireland | 48477 | 48991 | 49404 | 48955 | 50715 | 51403 | 52854 | 55093 | 57269 |
| Italy | 492888 | 492618 | 489317 | 483349 | 479887 | 507664 | 503028 | 507409 | 517908 |
| Japan | 1129359 | 1156550 | 1174033 | 1148377 | 1215965 | 1225588 | ---- | ---- | ---- |
| Latvia | 24843 | 15215 | 11290 | 7853 | 4964 | 8712 | 3744 | 1643 | 995 |
| Liechtenstein | 238 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Lithuania | 42700 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 31563 |
| Luxembourg | 13153 | ---- | ---- | 12379 | 9928 | ---- | ---- | ---- | ---- |
| Monaco | 111 | 128 | 136 | 139 | 142 | 139 | 145 | 147 | 142 |
| Netherlands | 216382 | 222203 | 219629 | 221632 | 223938 | 232705 | 240921 | 238966 | 234551 |
| New Zealand | 51537 | 52225 | 55714 | 56921 | 58094 | 57703 | 58397 | 58198 | 53990 |
| Norway | 42551 | 38215 | 34912 | 36793 | 36677 | 38746 | 37716 | 39125 | 38561 |
| Poland | 529540 | 394690 | 398230 | 389470 | 396942 | 373650 | 393928 | 385699 | 372657 |
| Portugal | 59864 | 62208 | 64718 | 63040 | 63823 | 68140 | 65483 | 66922 | 70196 |
| Romania | 261954 | 173172 | 165578 | 160597 | 157436 | ---- | ---- | ---- | ---- |
| Russian Federation | 2648062 | ---- | ---- | ---- | 1581969 | 1225711 | 1122441 | ---- | ---- |
| Slovakia | 73878 | 64580 | 59126 | 55617 | 51890 | 53704 | 52521 | 51836 | 51136 |
| Slovenia | 16919 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Spain | 276493 | 283192 | 292536 | 277305 | 294904 | 307452 | 302982 | 329381 | 340604 |
| Sweden | 35031 | 30520 | 35742 | 35724 | 37683 | 38403 | 45269 | 39108 | 46162 |
| Switzerland | 48662 | 50529 | 50080 | 46433 | 45680 | 46556 | 46699 | 46286 | 47598 |
| Turkey | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Ukraine | 867113 | 731147 | 712432 | 625383 | 519324 | 485893 | 433483 | 397664 | 386225 |
| United Kingdom of Great Britain and Northern Ireland | 762675 | 763551 | 739130 | 712333 | 710361 | 699597 | 720484 | 695930 | 694835 |
| United States of America | 4888792 | 4839874 | 4951725 | 5452151 | 5576031 | 5634376 | 5841282 | 5928129 | 5953978 |

Comments:

Emissions of CO₂, CH₄, N₂O, HFCs, PFCs and SF₆ - aggregated excluding CO₂ from land-use change and forestry.

The global warming potential (GWP) is an index used to translate the level of emissions of various gases into a common measure in order to compare the relative radiative forcing of different gases without directly calculating the changes in atmospheric concentrations. GWPs are calculated as the ratio of the radiative forcing that would result from the emissions of one kilogram of a greenhouse gas to that from the emission of one kilogram of carbon dioxide over a period of time (usually 100 years). Gases involved in complex atmospheric chemical processes have not been assigned GWPs. For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

Emissions of HFCs, PFCs and SF₆ - Aggregated (UNFCCC)

Units: gigagrams of CO₂

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

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| Countries and Territories | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| Australia | 4826 | 4826 | 3581 | 3147 | 2048 | 1432 | 1292 | 1141 | 1419 |
| Austria | ---- | ---- | ---- | ---- | ---- | 1702 | ---- | ---- | 1767 |
| Belarus | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Belgium | ---- | ---- | ---- | ---- | ---- | 538 | 624 | 733 | 733 |
| Bulgaria | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 646 |
| Canada | 8845 | 9579 | 8773 | 9409 | 8949 | 8375 | 8127 | 8217 | 8423 |
| Croatia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Czech Republic | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Denmark | 0 | 0 | 119 | 229 | 301 | 384 | 478 | 608 | 541 |
| Estonia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Finland | 55 | 38 | 19 | 11 | 20 | 54 | 123 | 194 | 277 |
| France | 7644 | 6207 | 5463 | 4728 | 4539 | 5050 | 6193 | 6905 | 7345 |
| Germany | 8930 | 9041 | 9484 | 11163 | 11440 | 11134 | 10220 | 10700 | 10885 |
| Greece | 1302 | 1422 | 1130 | 1736 | 2226 | 3331 | 3821 | 4024 | 3798 |
| Hungary | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 952 |
| Iceland | 5 | ---- | ---- | ---- | ---- | 5 | ---- | ---- | ---- |
| Ireland | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Italy | 787 | 816 | 813 | 829 | 1311 | 1825 | 1707 | 2140 | 2140 |
| Japan | 38240 | 43020 | 47800 | 45410 | 45410 | 52580 | 50190 | 50190 | ---- |
| Latvia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Liechtenstein | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Lithuania | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Luxembourg | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Monaco | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Netherlands | 8986 | 8669 | 8191 | 8737 | 10118 | 10270 | 11118 | 11502 | 10312 |
| New Zealand | 605 | 653 | 639 | 241 | 352 | 418 | 507 | 466 | 466 |
| Norway | 5225 | 4594 | 2714 | 2737 | 2485 | 2169 | 2083 | 2017 | 2098 |
| Poland | ---- | ---- | ---- | ---- | ---- | 24 | ---- | ---- | ---- |
| Portugal | ---- | ---- | ---- | ---- | ---- | 158 | ---- | ---- | ---- |
| Romania | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Russian Federation | 41295 | ---- | ---- | 38603 | 31857 | 36177 | ---- | ---- | ---- |
| Slovakia | 272 | 267 | 249 | 156 | 144 | 148 | 91 | 114 | 80 |
| Slovenia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Spain | 3826 | 3468 | 3761 | 3164 | 4792 | 6539 | 7490 | 9120 | 9375 |
| Sweden | ---- | ---- | ---- | ---- | ---- | 1195 | ---- | 1601 | 3551 |
| Switzerland | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 588 | 692 |
| Turkey | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Ukraine | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| United Kingdom of Great Britain and Northern Ireland | 14379 | 14425 | 14138 | 14604 | 15855 | 17433 | 18466 | 20371 | 22124 |
| United States of America | 85442 | 80614 | 86288 | 87386 | 92035 | 106385 | 122923 | 129571 | 147776 |

Comments:

HFCs (hydrofluorocarbons) are produced commercially as a substitute for CFCs. HFCs are used largely in refrigeration and semiconductor manufacturing. Their GWPs range from 1300 to 11700 times that of CO₂ (over a 100 year time horizon), depending on the HFC.

PFCs (perfluorocarbons) are a by-product of aluminum smelting and uranium enrichment. They also are the replacement for CFCs in manufacturing semiconductors. The GWP of PFCs is 6500-9200 times that of CO₂ (100 year time horizon).

SF₆ (Sulphur hexafluoride) is largely used in heavy industry to insulate high-voltage equipment and to assist in the manufacturing of cable-cooling systems. Its GWP is 23900 times that of CO₂ (100 year time horizon). For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

Emissions of N₂O - from Agricultural Soils (UNFCCC)

Units: gigagrams of N₂O

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

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| Countries and Territories | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Australia | 46.9 | 47.3 | 46.9 | 47.7 | 48.0 | 47.1 | 46.7 | 49.7 | 51.8 |
| Austria | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| Belarus | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Belgium | 10.9 | 10.9 | 10.9 | 10.7 | 9.4 | 9.4 | 9.4 | 9.3 | 9.3 |
| Bulgaria | 53.9 | 49.2 | 41.9 | 37.8 | 36.3 | 37.0 | ---- | 2.5 | 33.7 |
| Canada | 116.0 | 116.0 | 114.1 | 119.2 | 125.1 | 125.6 | 131.9 | 130.6 | 130.8 |
| Croatia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Czech Republic | 2.3 | 2.0 | 1.7 | 1.8 | 1.8 | 1.7 | 12.0 | 11.3 | 15.9 |
| Denmark | 31.6 | 30.8 | 28.8 | 29.0 | 28.1 | 27.9 | 27.0 | 25.9 | 26.1 |
| Estonia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 0.0 | 1.2 |
| Finland | 13.7 | 12.8 | 11.6 | 11.8 | 11.8 | 12.3 | 12.0 | 11.7 | 11.5 |
| France | 171.0 | 168.6 | 163.5 | 159.1 | 160.7 | 162.1 | 164.6 | 166.9 | 166.9 |
| Germany | 85.0 | 78.0 | 74.0 | 73.0 | 77.0 | 76.6 | 76.0 | 76.0 | 76.0 |
| Greece | 20.7 | 20.6 | 19.5 | 19.2 | 19.3 | 18.5 | 18.7 | 19.0 | 19.0 |
| Hungary | 4.6 | 1.7 | 1.6 | 1.5 | 1.8 | 1.6 | 1.7 | 1.7 | 32.9 |
| Iceland | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | ---- | ---- | ---- |
| Ireland | 20.8 | 20.8 | 20.5 | 21.0 | 21.6 | 22.2 | 22.5 | 21.7 | 23.0 |
| Italy | 65.2 | 68.1 | 68.6 | 69.4 | 68.6 | 67.4 | 66.1 | 69.0 | 69.0 |
| Japan | 3.8 | 3.6 | 3.6 | 3.5 | 3.5 | 3.3 | 2.1 | 1.0 | ---- |
| Latvia | 22.0 | 19.3 | 18.8 | 17.0 | 16.3 | 15.7 | 15.6 | ---- | 3.2 |
| Liechtenstein | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Lithuania | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 1.7 |
| Luxembourg | 0.5 | ---- | ---- | ---- | 0.5 | 0.5 | ---- | ---- | ---- |
| Monaco | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Netherlands | 21.5 | 22.2 | 25.5 | 25.4 | 25.6 | 26.8 | 26.8 | 25.3 | 25.2 |
| New Zealand | 36.8 | 36.4 | 36.4 | 36.8 | 37.3 | 37.4 | 37.2 | 37.2 | 37.3 |
| Norway | 8.6 | 8.6 | 8.3 | 8.5 | 8.3 | 8.5 | 8.4 | 8.4 | 8.4 |
| Poland | 43.0 | 32.5 | 32.0 | 29.9 | 30.0 | 31.4 | 30.4 | 31.2 | 31.2 |
| Portugal | 8.2 | 7.6 | 7.3 | 7.1 | 6.9 | 7.1 | 7.3 | 7.4 | 7.5 |
| Romania | 25.1 | 6.5 | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Russian Federation | ---- | ---- | ---- | ---- | ---- | 111.0 | 105.0 | ---- | ---- |
| Slovakia | 13.0 | 10.6 | 9.3 | 7.6 | 7.0 | 7.3 | 7.3 | 7.4 | 7.3 |
| Slovenia | 4.6 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Spain | 58.2 | 57.6 | 53.9 | 46.6 | 53.5 | 50.9 | 61.1 | 61.1 | 61.1 |
| Sweden | 14.6 | 0.2 | 0.2 | 0.2 | ---- | 0.2 | 14.6 | 13.8 | 13.8 |
| Switzerland | 7.8 | 7.7 | 7.6 | 7.6 | 7.5 | 7.3 | 7.3 | 7.1 | 7.0 |
| Turkey | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Ukraine | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| United Kingdom of Great Britain and Northern Ireland | 95.1 | 94.6 | 89.2 | 87.5 | 89.9 | 90.5 | 90.9 | 93.8 | 90.7 |
| United States of America | 890.9 | 902.9 | 925.1 | 913.7 | 987.6 | 951.5 | 974.9 | 996.3 | 991.9 |

Comments:

Emissions of N₂O (nitrous oxide) from agricultural soils include direct and indirect soil emissions, animal production emissions, and other emissions.

For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

Emissions of N₂O - from Agriculture (UNFCCC)

Units: gigagrams of N₂O

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

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| Countries and Territories | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|-------|-------|-------|-------|--------|-------|--------|--------|--------|
| Australia | 60.7 | 61.2 | 60.6 | 62.1 | 62.9 | 63.1 | 63.3 | 66.6 | 70.7 |
| Austria | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| Belarus | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Belgium | 10.9 | 10.9 | 10.9 | 10.7 | 9.8 | 9.8 | 10.8 | 10.8 | 10.8 |
| Bulgaria | 57.4 | 52.2 | 44.4 | 39.8 | 38.0 | 38.6 | ---- | 4.5 | 35.2 |
| Canada | 129.7 | 130.0 | 128.2 | 133.8 | 140.5 | 141.6 | 148.1 | 147.1 | 147.0 |
| Croatia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Czech Republic | 2.3 | 2.0 | 1.7 | 1.8 | 1.8 | 1.7 | 20.6 | 19.3 | 17.4 |
| Denmark | 33.1 | 32.4 | 30.3 | 30.6 | 29.7 | 29.5 | 28.5 | 27.4 | 27.6 |
| Estonia | 0.9 | 0.9 | 0.7 | 0.5 | 0.5 | 0.4 | 0.4 | 0.0 | 1.2 |
| Finland | 15.4 | 14.3 | 13.1 | 13.3 | 13.3 | 13.7 | 13.4 | 13.2 | 12.9 |
| France | 181.7 | 179.1 | 173.8 | 169.4 | 171.0 | 172.5 | 175.0 | 177.2 | 177.2 |
| Germany | 96.0 | 87.0 | 83.0 | 82.0 | 86.0 | 85.2 | 85.0 | 84.0 | 84.0 |
| Greece | 21.2 | 21.2 | 20.0 | 19.7 | 19.9 | 19.0 | 19.3 | 19.6 | 19.7 |
| Hungary | 4.6 | 1.7 | 1.6 | 1.5 | 1.8 | 1.6 | 1.7 | 1.7 | 34.6 |
| Iceland | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | ---- | ---- | ---- |
| Ireland | 22.9 | 22.9 | 22.6 | 23.1 | 23.7 | 24.4 | 24.8 | 24.1 | 25.3 |
| Italy | 77.6 | 80.5 | 80.5 | 81.3 | 80.4 | 79.6 | 78.3 | 81.3 | 81.3 |
| Japan | 9.3 | 9.1 | 9.0 | 9.0 | 8.8 | 8.5 | 7.6 | 6.5 | ---- |
| Latvia | 22.0 | 19.3 | 18.8 | 17.0 | 16.3 | 15.7 | 15.6 | 3.1 | 3.2 |
| Liechtenstein | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Lithuania | 10.8 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 1.7 |
| Luxembourg | 0.5 | ---- | ---- | ---- | 0.5 | 0.5 | ---- | ---- | ---- |
| Monaco | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Netherlands | 22.2 | 22.9 | 26.2 | 26.2 | 26.4 | 27.6 | 27.5 | 25.9 | 25.9 |
| New Zealand | 37.1 | 36.7 | 36.7 | 37.2 | 37.7 | 37.8 | 37.6 | 37.6 | 37.6 |
| Norway | 8.6 | 8.6 | 8.3 | 8.5 | 8.3 | 8.5 | 8.4 | 8.4 | 8.4 |
| Poland | 43.0 | 32.6 | 32.0 | 30.0 | 30.0 | 31.4 | 30.5 | 31.2 | 31.2 |
| Portugal | 8.4 | 7.9 | 7.5 | 7.4 | 7.1 | 7.4 | 7.5 | 7.6 | 7.7 |
| Romania | 25.3 | 6.7 | 6.8 | 6.8 | 6.8 | ---- | ---- | ---- | ---- |
| Russian Federation | 200.0 | ---- | ---- | ---- | 110.0 | 111.0 | 105.0 | ---- | ---- |
| Slovakia | 16.6 | 13.8 | 12.1 | 10.0 | 9.3 | 9.6 | 9.5 | 9.4 | 9.1 |
| Slovenia | 4.6 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Spain | 108.1 | 106.1 | 103.6 | 97.9 | 102.4 | 98.3 | 113.5 | 113.5 | 113.5 |
| Sweden | 16.8 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 16.6 | 15.7 | 15.7 |
| Switzerland | 9.2 | 9.2 | 9.1 | 9.0 | 8.9 | 8.7 | 8.6 | 8.5 | 8.3 |
| Turkey | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Ukraine | 28.0 | 27.4 | 21.3 | 15.7 | 9.6 | 9.4 | 5.9 | 6.5 | 6.4 |
| United Kingdom of Great Britain and Northern Ireland | 100.4 | 99.9 | 94.3 | 92.5 | 95.0 | 95.5 | 96.0 | 98.9 | 95.7 |
| United States of America | 931.8 | 946.2 | 968.0 | 958.0 | 1033.4 | 996.8 | 1021.5 | 1044.0 | 1040.6 |

Comments:

Emissions of N₂O (nitrous oxide) from agriculture include emissions from manure management, agricultural soils, prescribed burning of savannas, field burning of agricultural residues and other.

For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

Emissions of N₂O - from Fuel Combustion (UNFCCC)

Units: gigagrams of N₂O

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

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| Countries and Territories | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Australia | 265289.2 | 267478.3 | 270072.8 | 273212.9 | 276771.9 | 288767.2 | 298581.8 | 306037.3 | 324203.3 |
| Austria | 46685.4 | 51068.2 | 46162.4 | 45827.4 | 46933.3 | 48703.7 | 51103.8 | 50909.0 | 51388.9 |
| Belarus | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Belgium | 104189.8 | 111144.0 | 111196.7 | 109127.2 | 113510.9 | 114594.9 | 117995.1 | 113867.0 | 114500.8 |
| Bulgaria | 95494.7 | 61170.2 | 55064.2 | 57678.2 | 54239.3 | 56608.8 | ---- | 53458.3 | 51388.2 |
| Canada | 415689.9 | 405838.1 | 419730.1 | 416893.4 | 429922.9 | 440965.1 | 452945.3 | 464819.3 | 476426.5 |
| Croatia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Czech Republic | 160073.0 | 148807.0 | 135629.0 | 130661.0 | 123631.0 | 124647.0 | 129516.2 | 133925.2 | 124486.0 |
| Denmark | 51516.3 | 61713.0 | 56250.3 | 58039.0 | 61528.3 | 58577.9 | 71767.7 | 62173.3 | 58146.5 |
| Estonia | 37183.8 | 36342.2 | 27453.3 | 21786.0 | 22667.5 | 20637.6 | 21216.2 | 20362.0 | 18889.6 |
| Finland | 53888.9 | 53825.8 | 51397.0 | 52252.0 | 58337.3 | 55891.1 | 61972.8 | 59780.8 | 57403.7 |
| France | 357722.5 | 383061.8 | 375004.2 | 355118.0 | 350813.8 | 356884.6 | 370734.6 | 364998.9 | 386358.6 |
| Germany | 986832.5 | 951136.0 | 902919.0 | 893006.0 | 877158.0 | 876528.1 | 899196.0 | 867425.5 | 861181.0 |
| Greece | 77292.0 | 77147.4 | 79171.1 | 79383.5 | 81130.9 | 82095.6 | 83211.4 | 87763.8 | 91967.5 |
| Hungary | 80089.0 | 65256.0 | 58636.0 | 58755.0 | 57046.0 | 57567.0 | 58174.0 | 56552.0 | 54621.1 |
| Iceland | 1673.7 | 1627.9 | 1753.8 | 1810.3 | 1772.6 | 1773.6 | ---- | ---- | ---- |
| Ireland | 29577.5 | 30230.9 | 30856.7 | 30472.3 | 31774.8 | 32389.1 | 33626.2 | 35735.6 | 37706.9 |
| Italy | 398320.0 | 397160.4 | 395022.1 | 391899.4 | 388683.1 | 413302.6 | 409602.8 | 411229.8 | 430294.8 |
| Japan | 1052964.1 | 1072761.7 | 1085210.8 | 1064440.9 | 1133291.2 | 1138351.8 | 1153542.3 | 1150675.2 | ---- |
| Latvia | 24208.9 | 18836.0 | 16137.0 | 14368.0 | 11757.0 | 11899.9 | 10875.3 | 12662.9 | 8051.3 |
| Liechtenstein | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Lithuania | 37332.0 | ---- | ---- | ---- | ---- | 14800.0 | 15800.0 | 15800.0 | 13982.0 |
| Luxembourg | 12133.0 | ---- | ---- | ---- | 11520.0 | 9109.0 | ---- | ---- | ---- |
| Monaco | 106.1 | 122.2 | 129.8 | 131.8 | 134.9 | 131.5 | 137.9 | 139.4 | 134.2 |
| Netherlands | 159040.0 | 164850.0 | 163440.0 | 165900.0 | 166750.0 | 172960.0 | 180030.0 | 178010.0 | 176760.0 |
| New Zealand | 22396.6 | 22670.1 | 24448.0 | 23735.3 | 23846.0 | 23842.2 | 24861.5 | 26822.8 | 25531.1 |
| Norway | 26369.7 | 25728.7 | 26413.0 | 27450.7 | 28791.4 | 28492.2 | 31214.1 | 31553.3 | 31643.9 |
| Poland | 462998.0 | 357661.0 | 360927.0 | 353842.0 | 362083.0 | 337942.0 | 363498.6 | 350875.9 | 326858.0 |
| Portugal | 39019.6 | 40807.6 | 44909.3 | 43613.0 | 44363.4 | 46972.3 | 45349.1 | 46590.9 | 49063.3 |
| Romania | 185575.4 | 130464.8 | 125498.0 | 122644.0 | 121327.0 | ---- | ---- | ---- | ---- |
| Russian Federation | 2298900.0 | 2123000.0 | 1948000.0 | 1805000.0 | 1601100.0 | 1550000.0 | 1463000.0 | ---- | ---- |
| Slovakia | 56691.0 | 50375.0 | 45667.0 | 43720.0 | 40660.0 | 41904.0 | 42494.0 | 41670.0 | 39001.5 |
| Slovenia | 13294.4 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Spain | 205673.5 | 213403.9 | 223784.6 | 211498.6 | 222031.1 | 232254.0 | 220255.3 | 239338.6 | 245698.3 |
| Sweden | 51328.0 | 51205.0 | 51787.0 | 51881.0 | 53946.0 | 53385.0 | 59390.6 | 52586.5 | 52717.8 |
| Switzerland | 39673.0 | 41854.0 | 41846.0 | 39611.0 | 38789.0 | 39764.0 | 40554.0 | 39894.0 | 41138.4 |
| Turkey | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Ukraine | 672074.8 | 557747.4 | 549438.7 | 484956.2 | 390118.0 | 365332.9 | 331975.9 | 307090.9 | 298489.0 |
| United Kingdom of Great Britain and Northern Ireland | 557665.6 | 566206.3 | 552584.3 | 538962.3 | 533078.1 | 526632.8 | 544963.5 | 520881.5 | 522887.7 |
| United States of America | 4840482.8 | 4787926.2 | 4876887.1 | 4992123.1 | 5067247.8 | 5103837.9 | 5284900.8 | 5355899.9 | 5383501.6 |

Comments:

Emissions of CO₂ - fuel combustion (UNFCCC): emissions of CO₂ from fuel combustion include emissions from energy industries, manufacturing industries and construction, transport and other fuel combustion sectors.

For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

Emissions of N₂O - from Industrial Processes (UNFCCC)

Units: gigagrams of N₂O

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

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| Countries and Territories | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|------|
| Australia | 1.6 | 1.5 | 1.8 | 1.6 | 1.4 | 1.4 | 1.6 | 1.6 | 1.7 |
| Austria | 0.6 | 0.6 | 0.5 | 0.6 | 0.6 | 0.5 | 0.5 | 0.5 | 0.5 |
| Belarus | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Belgium | 11.5 | 11.2 | 10.1 | 10.9 | 12.6 | 13.8 | 15.1 | 14.5 | 15.1 |
| Bulgaria | 7.8 | 5.2 | 4.3 | 3.7 | 4.3 | 6.2 | ---- | 6.9 | 3.1 |
| Canada | 37.1 | 34.7 | 34.6 | 31.8 | 37.9 | 37.1 | 39.6 | 34.4 | 18.8 |
| Croatia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Czech Republic | 3.3 | 2.8 | 3.5 | 2.7 | 3.0 | 3.4 | 3.3 | 3.6 | 3.9 |
| Denmark | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Estonia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Finland | 5.1 | 4.5 | 4.0 | 4.2 | 4.4 | 4.5 | 4.5 | 4.5 | 4.3 |
| France | 89.6 | 89.9 | 83.8 | 74.9 | 78.6 | 81.6 | 79.9 | 80.6 | 51.9 |
| Germany | 82.0 | 83.0 | 93.0 | 84.0 | 81.0 | 82.3 | 87.4 | 73.0 | 29.0 |
| Greece | 2.3 | 1.9 | 2.0 | 1.9 | 1.8 | 1.8 | 2.1 | 1.8 | 1.8 |
| Hungary | ---- | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Iceland | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | ---- | ---- | ---- |
| Ireland | 3.3 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| Italy | 23.5 | 24.6 | 22.9 | 21.8 | 20.6 | 23.5 | 22.7 | 22.8 | 20.0 |
| Japan | 23.9 | 21.8 | 21.6 | 21.2 | 24.0 | 23.8 | 26.6 | 28.1 | ---- |
| Latvia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Liechtenstein | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Lithuania | 1.4 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 9.3 |
| Luxembourg | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Monaco | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Netherlands | 31.5 | 32.3 | 30.4 | 30.0 | 31.6 | 31.6 | 31.7 | 35.0 | 33.8 |
| New Zealand | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Norway | 6.7 | 6.1 | 4.2 | 5.0 | 5.4 | 5.3 | 5.2 | 4.8 | 5.4 |
| Poland | 20.0 | 13.1 | 13.0 | 13.1 | 14.0 | 15.8 | 16.2 | 15.7 | 12.9 |
| Portugal | 1.9 | 1.9 | 2.0 | 1.6 | 1.2 | 2.0 | 2.0 | 2.0 | 2.0 |
| Romania | 24.4 | 6.4 | 6.8 | 6.5 | 5.6 | ---- | ---- | ---- | ---- |
| Russian Federation | 3.0 | ---- | ---- | ---- | 1.2 | 1.0 | 1.0 | ---- | ---- |
| Slovakia | 1.9 | 1.7 | 1.6 | 1.3 | 2.1 | 2.3 | 0.2 | 0.3 | 0.2 |
| Slovenia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Spain | 9.3 | 8.4 | 7.1 | 5.9 | 7.0 | 7.4 | 7.9 | 7.5 | 7.0 |
| Sweden | 2.7 | 2.7 | 2.3 | 2.3 | 2.3 | 2.3 | 2.8 | 2.2 | 2.6 |
| Switzerland | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Turkey | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Ukraine | 22.9 | 23.1 | 15.3 | 7.5 | 9.1 | 4.7 | 7.4 | 8.5 | 8.6 |
| United Kingdom of Great Britain and Northern Ireland | 93.9 | 87.8 | 70.8 | 60.1 | 71.3 | 61.1 | 65.3 | 66.8 | 59.4 |
| United States of America | 116.6 | 119.5 | 115.9 | 121.4 | 128.7 | 129.7 | 133.9 | 123.7 | 91.4 |

Comments:

Emissions of N₂O (nitrous oxide) from industrial processes include emissions from mineral products, chemical industry, metal production, other production and other.

For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

Emissions of N₂O - Total Anthropogenic (UNFCCC)

Units: gigagrams of N₂O

Data Source: Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000

Data Provider: United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Years: 1990-1998

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| Countries and Territories | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Australia | 73.0 | 73.4 | 74.2 | 76.5 | 77.9 | 79.2 | 80.5 | 84.6 | 89.6 |
| Austria | 6.6 | 6.8 | 6.9 | 7.1 | 7.3 | 7.3 | 7.4 | 7.3 | 7.4 |
| Belarus | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Belgium | 31.0 | 31.1 | 30.2 | 31.0 | 34.8 | 36.1 | 36.6 | 32.8 | 33.7 |
| Bulgaria | 81.4 | 68.4 | 59.2 | 53.8 | 52.4 | 55.2 | ---- | 21.2 | 47.7 |
| Canada | 202.6 | 202.0 | 202.1 | 206.9 | 220.5 | 223.0 | 231.4 | 225.9 | 209.3 |
| Croatia | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Czech Republic | 25.8 | 23.4 | 22.5 | 21.2 | 21.5 | 21.6 | 29.1 | 28.7 | 27.1 |
| Denmark | 34.9 | 34.6 | 32.5 | 32.9 | 32.2 | 32.0 | 31.6 | 30.3 | 30.5 |
| Estonia | 2.3 | 2.3 | 1.7 | 1.4 | 1.3 | 1.2 | 1.2 | 0.7 | 1.3 |
| Finland | 26.6 | 24.9 | 22.1 | 22.3 | 22.2 | 25.1 | 25.5 | 25.7 | 25.6 |
| France | 306.7 | 306.2 | 295.2 | 281.9 | 287.7 | 293.1 | 295.5 | 298.9 | 271.8 |
| Germany | 220.6 | 214.2 | 219.6 | 210.6 | 211.6 | 213.6 | 219.8 | 204.4 | 159.7 |
| Greece | 30.3 | 30.3 | 29.2 | 28.8 | 28.9 | 28.4 | 29.2 | 29.7 | 30.3 |
| Hungary | 12.9 | 4.0 | 4.8 | 4.6 | 5.2 | 4.7 | 4.9 | 4.3 | 35.1 |
| Iceland | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | ---- | ---- | ---- |
| Ireland | 29.3 | 28.8 | 28.6 | 29.1 | 30.0 | 30.7 | 31.2 | 30.8 | 32.5 |
| Italy | 146.0 | 150.4 | 147.8 | 145.9 | 143.3 | 147.4 | 147.6 | 150.6 | 124.4 |
| Japan | 58.4 | 56.7 | 57.2 | 56.8 | 60.9 | 62.2 | 64.8 | 65.7 | ---- |
| Latvia | 22.5 | 19.8 | 19.2 | 17.4 | 16.8 | 16.3 | 16.3 | 3.8 | 3.8 |
| Liechtenstein | 0.1 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Lithuania | 13.2 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 11.1 |
| Luxembourg | 0.6 | ---- | ---- | ---- | 0.7 | 0.7 | ---- | ---- | ---- |
| Monaco | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Netherlands | 65.8 | 66.9 | 69.2 | 68.8 | 70.7 | 72.2 | 71.8 | 73.3 | 71.6 |
| New Zealand | 38.2 | 37.8 | 37.9 | 38.3 | 38.9 | 39.0 | 38.8 | 38.9 | 38.9 |
| Norway | 16.6 | 16.1 | 13.9 | 15.1 | 15.4 | 15.7 | 15.7 | 15.5 | 16.4 |
| Poland | 70.0 | 52.0 | 50.0 | 49.8 | 50.0 | 54.0 | 53.9 | 54.0 | 51.6 |
| Portugal | 20.1 | 20.2 | 19.9 | 19.9 | 19.4 | 20.8 | 20.8 | 20.9 | 21.4 |
| Romania | 66.3 | 24.8 | 26.9 | 26.2 | 25.0 | ---- | ---- | ---- | ---- |
| Russian Federation | 225.7 | ---- | ---- | ---- | 127.6 | 139.0 | 132.0 | ---- | ---- |
| Slovakia | 19.9 | 16.9 | 14.9 | 12.5 | 12.6 | 13.2 | 11.0 | 11.0 | 10.7 |
| Slovenia | 5.1 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Spain | 133.0 | 130.7 | 127.8 | 119.9 | 127.1 | 124.4 | 139.5 | 140.4 | 141.4 |
| Sweden | 25.8 | 9.2 | 9.1 | 9.1 | 9.3 | 9.2 | 26.5 | 24.7 | 25.7 |
| Switzerland | 11.3 | 11.4 | 11.5 | 11.6 | 11.6 | 11.6 | 11.6 | 11.5 | 11.6 |
| Turkey | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Ukraine | 58.0 | 51.3 | 38.3 | 24.2 | 20.1 | 15.2 | 14.9 | 15.6 | 15.8 |
| United Kingdom of Great Britain and Northern Ireland | 211.9 | 205.6 | 183.0 | 171.1 | 186.0 | 177.6 | 184.0 | 189.4 | 180.6 |
| United States of America | 1280.2 | 1306.9 | 1339.6 | 1345.7 | 1437.3 | 1405.5 | 1437.4 | 1448.1 | 1412.0 |

Comments:

Emissions of N₂O (nitrous oxide) - total anthropogenic are all the emissions of N₂O associated with human activities. These include emissions from fuel combustion, industrial processes, agriculture, waste, and other.

For more detailed information about the GHG inventory database see: <http://ghg.unfccc.int>.

Production of Ozone-Depleting Substances (ODS) / Annex B, Group II: Carbon Tetrachloride

Units: ozone depleting potential (ODP) tonnes

Data Source: Production and Consumption of Ozone Depleting Substances 1986-2000

Data Provider: Secretariat for the Vienna Convention and the Montreal Protocol (the Ozone Secretariat)

Years: 1989-2000

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| Countries and Territories | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---------------------------------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|------|
| Argentina | 5291.00 | 1595.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3300.00 | 0.00 | 0.00 | 0.00 | ---- |
| Australia | 0.00 | ---- | ---- | -11485.10 | -11464.12 | -5639.81 | -3377.80 | 0.00 | 0.00 | 0.00 | 0.00 | ---- |
| Belarus | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.72 | 0.00 | 0.00 | 0.00 | 0.00 | ---- |
| Belgium | 26592.50 | ---- | ---- | 23257.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ---- |
| Brazil | 46871.00 | 29993.70 | ---- | 48400.00 | 48367.00 | 18133.50 | 11462.00 | 15646.40 | -1245.20 | 16525.30 | 11350.90 | ---- |
| Canada | 29309.50 | 11731.50 | 21648.00 | 6847.50 | 6978.40 | 3643.20 | 2553.10 | -700.70 | 0.00 | 0.00 | 0.00 | ---- |
| China | 29810.00 | ---- | -9900.00 | -11220.00 | -3096.50 | -36791.70 | -40429.40 | -35479.40 | 0.00 | 35090.00 | 0.00 | ---- |
| Croatia | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -49.61 | 0.00 | 0.00 | 0.00 | ---- |
| Cuba | 0.00 | 0.00 | ---- | ---- | ---- | ---- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ---- |
| Cyprus | 0.00 | 0.00 | ---- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ---- |
| Czech Republic | 5285.50 | ---- | ---- | ---- | -57.09 | 0.44 | 0.55 | 0.00 | 6.05 | 44.44 | 12.10 | ---- |
| Finland | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -14.30 | 0.00 | 0.00 | 0.00 | ---- |
| France | 5119.40 | ---- | ---- | 767.80 | 1551.00 | 787.60 | 983.40 | 506.00 | 692.12 | 737.00 | -18.70 | ---- |
| Germany | 8067.40 | ---- | ---- | 514.80 | 180.40 | 0.00 | 0.00 | 0.00 | -369.60 | -576.40 | 0.00 | ---- |
| Hungary | 0.00 | 0.00 | 0.00 | 0.00 | -16.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ---- |
| India | 4757.50 | ---- | ---- | 1958.00 | -1036.20 | 8432.60 | -21787.70 | -19786.80 | 7876.01 | 6614.39 | 15896.90 | ---- |
| Italy | 8769.20 | 1445.40 | 320.10 | 4165.70 | 456.50 | 0.00 | 0.00 | 0.00 | 341.00 | 0.00 | 828.30 | ---- |
| Jamaica | 0.00 | ---- | ---- | ---- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ---- |
| Japan | 19602.00 | ---- | 8173.00 | 5170.00 | 4081.00 | 2943.60 | 2462.90 | 539.00 | 40.70 | 34.10 | 38.50 | ---- |
| Lithuania | 0.00 | ---- | ---- | ---- | ---- | 0.00 | -0.04 | 0.00 | 0.00 | 0.00 | 0.00 | ---- |
| Mexico | 4668.40 | -5470.30 | -6512.00 | -6546.10 | -10472.00 | -9212.50 | -9887.90 | -8890.20 | 0.00 | 0.00 | 0.00 | ---- |
| Netherlands | 0.00 | 0.00 | 2790.70 | 0.00 | -13377.10 | 0.00 | -14648.70 | -21873.50 | 158.40 | 887.70 | 150.70 | ---- |
| Poland | 3960.00 | ---- | ---- | ---- | 4963.20 | 4915.90 | ---- | 9.02 | 0.00 | 0.00 | 0.00 | ---- |
| Romania | 11878.52 | ---- | ---- | ---- | 7646.10 | 6283.20 | 4665.10 | 2878.70 | -198.58 | 1949.18 | -684.80 | ---- |
| Russian Federation | 103290.00 | 1980.00 | -26950.00 | 2200.00 | 2200.00 | 3372.60 | 2735.15 | 743.60 | 0.00 | 33.00 | 346.61 | ---- |
| South Africa | 12697.30 | 10264.10 | ---- | 7139.00 | 4774.00 | 6340.40 | 4931.30 | 0.00 | 0.00 | 0.00 | 0.00 | ---- |
| Spain | 40634.00 | 23007.60 | 19017.90 | 4347.20 | 4400.00 | 6600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ---- |
| Sweden | 0.00 | 0.00 | -178.20 | -178.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ---- |
| Switzerland | 0.00 | ---- | -33.00 | 0.00 | -38.50 | -58.30 | -62.70 | -52.80 | 0.00 | 0.00 | 0.00 | ---- |
| Ukraine | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.50 | 3.30 | -2178.55 | 2820.73 | 0.00 | ---- |
| United States of America | 56036.20 | ---- | ---- | 12126.40 | 16225.00 | 15225.10 | 8932.00 | 11.00 | 14.30 | 2.20 | 18.70 | ---- |
| Venezuela | 0.00 | -4682.04 | -3426.94 | -9096.78 | -7256.48 | -6639.60 | -6816.18 | -6363.50 | 0.00 | 0.00 | 0.00 | ---- |

Comments:

The data is reported to the secretariat by the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer. Annex B, group II: carbon tetrachloride comprises CCl₄.

Production means the amount of controlled substances produced, minus the amount destroyed by technologies approved by the parties (to the Montreal Protocol on Substances that Deplete the Ozone Layer) and minus the amount entirely used as feedstock in the manufacture of other chemicals. The amount recycled and reused is not to be considered as production. The data forms prescribe reporting of feedstock use and of quantities destroyed separately, and reporting of total production without deduction. The Secretariat would make the necessary deduction. Some of the figures may be negative since the figures are for each calendar year, it is quite possible that in some years the feedstock figure may exceed the production figure of that year, if the feedstock use is from a carry-over stock. The production could be negative in such cases. For the same reason, the consumption could also be negative.

Production of Ozone-Depleting Substances (ODS) / Annex B, Group II: Carbon Tetrachloride

Units: ozone depleting potential (ODP) tonnes

Data Source: Production and Consumption of Ozone Depleting Substances 1986-2000

Data Provider: Secretariat for the Vienna Convention and the Montreal Protocol (the Ozone Secretariat)

Years: 1986, 1989-2000

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| Countries and Territories | 1986 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---------------------------------|-----------|-----------|-----------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|------|
| Argentina | 5574.00 | 2960.00 | 3201.00 | 3257.00 | 1650.00 | 1536.00 | 1260.00 | 3308.40 | 2632.00 | 2804.00 | 2954.00 | 3101.00 | ---- |
| Australia | 15385.40 | 17613.00 | 8263.00 | 7485.40 | 6752.55 | 6644.00 | 4452.42 | 3849.93 | 0.00 | 0.00 | 0.00 | 0.00 | ---- |
| Belgium | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -17.56 | -37.58 | ---- | ---- |
| Brazil | 10218.00 | 9109.68 | 8538.80 | 9551.40 | 9345.00 | 13012.00 | 11860.25 | 11750.52 | 9434.00 | 9362.00 | 7986.00 | 11286.00 | ---- |
| Canada | 19104.20 | 17895.40 | 11959.20 | 8330.00 | 13694.00 | 1135.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ---- |
| China | 11540.00 | 20700.00 | 20687.60 | 26017.80 | 24941.00 | 31658.00 | 50809.00 | 46671.60 | 44016.20 | 50323.80 | 55401.80 | 44739.40 | ---- |
| Czech Republic | 1977.60 | 2122.20 | ---- | ---- | ---- | 897.30 | 231.26 | 319.98 | 6.96 | 12.08 | 6.08 | 11.20 | ---- |
| Denmark | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -39.00 | -21.00 | ---- |
| Finland | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -8.00 | -3.00 | -6.00 | ---- | ---- |
| France | 71018.40 | 55205.60 | 38988.80 | 22896.00 | 3756.80 | 3061.20 | 3687.80 | 244.40 | -35.20 | 0.00 | -131.00 | 0.00 | ---- |
| Germany | 123652.80 | 104095.80 | 78470.00 | 63400.60 | 57698.00 | 51258.40 | 15997.20 | 0.00 | 0.00 | 0.00 | 0.00 | 520.80 | ---- |
| Greece | 14045.00 | 12372.00 | 8559.00 | 11397.00 | 12635.00 | 11667.00 | 3505.00 | 2453.00 | 1450.00 | 1530.00 | 765.00 | ---- | ---- |
| India | 2202.00 | 4317.00 | ---- | ---- | 6096.80 | 11438.80 | 16646.00 | 21779.60 | 22459.60 | 23658.03 | 20012.79 | 22498.60 | ---- |
| Italy | 56656.40 | 48840.20 | 36394.80 | 35087.40 | 40996.80 | 36035.60 | 9842.20 | 6192.60 | 8474.80 | 7011.40 | 7578.20 | 6422.80 | ---- |
| Japan | 119997.80 | 146744.20 | 109311.40 | 99361.60 | 65670.00 | 51213.80 | 21593.20 | 29757.40 | 704.80 | 164.60 | -59.00 | 0.00 | ---- |
| Liechtenstein | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.20 | -0.20 | ---- |
| Lithuania | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ---- | 0.00 | -6.00 | 0.00 | 0.00 | 0.00 | 0.00 | ---- |
| Mexico | 8608.95 | 9346.00 | 10576.00 | 9784.00 | 9964.00 | 12525.00 | 15417.00 | 15737.00 | 8959.00 | 8431.00 | 5252.00 | 5530.00 | ---- |
| Netherlands | 42330.80 | 41293.60 | 33288.00 | 22432.00 | 30777.20 | 34712.60 | 21013.00 | 12245.00 | 13293.00 | 14844.00 | 15049.00 | 15721.00 | ---- |
| Norway | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -19.00 | -62.50 | ---- |
| Romania | 0.00 | ---- | ---- | ---- | ---- | 508.05 | 191.00 | 22.00 | 0.00 | 0.00 | 0.00 | 0.00 | ---- |
| Russian Federation | 105296.00 | 105046.00 | 103696.00 | 84289.00 | 62127.40 | 40580.40 | 42526.00 | 39322.40 | 16770.00 | 14731.70 | 13807.59 | 18416.72 | ---- |
| South Africa | 10800.00 | 9500.00 | 6639.00 | 4748.00 | 3437.00 | 3722.00 | 1947.00 | 1627.00 | 0.00 | 0.00 | 0.00 | 0.00 | ---- |
| Spain | 33728.00 | 30833.40 | 23596.40 | 25292.20 | 30752.00 | 27172.60 | 18729.00 | 5435.00 | 5424.00 | 6405.00 | 5570.00 | 5839.00 | ---- |
| Sweden | 0.00 | 0.00 | 0.00 | 0.00 | -5.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ---- |
| Switzerland | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -49.96 | -54.00 | -58.00 | -58.30 | ---- |
| United States of America | 311021.20 | 320436.20 | 199696.60 | ##### | 152730.00 | ##### | 78208.40 | 34727.60 | 675.60 | 739.00 | 243.20 | 436.20 | ---- |
| Venezuela | 4789.80 | 4211.20 | 4337.80 | 4456.80 | 5284.50 | 5303.10 | 4619.90 | 4284.90 | 4412.83 | 5662.95 | 3652.00 | 2859.09 | ---- |

Comments:

The data is reported to the secretariat by the parties to the Montreal Protocol on Substances that Deplete the Ozone Layer. The Annex A, group I: chlorofluorocarbons (CFCs) comprise CFC₁, CF₂Cl₂, C₂F₃Cl₃, C₂F₄Cl₂, C₂F₅Cl.

Production of Ozone-Depleting Substances (ODS) / Annex C, Group I: Hydrochlorofluorocarbons (HCFCs)

Units: ozone depleting potential (ODP) tonnes

Data Source: Production and Consumption of Ozone Depleting Substances 1986-2000

Data Provider: Secretariat for the Vienna Convention and the Montreal Protocol (the Ozone Secretariat)

Years: 1989-2000

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| Countries and Territories | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---------------------------------|---------|--------|---------|---------|---------|---------|----------|----------|---------|----------|----------|------|
| Argentina | 26.73 | --- | --- | --- | 8.97 | 10.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Australia | 132.36 | --- | --- | 123.86 | 170.01 | 95.39 | 84.48 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Brazil | 184.03 | 167.37 | --- | 220.00 | 235.00 | 232.03 | 210.43 | 122.43 | 131.07 | 133.60 | 17.93 | --- |
| Canada | 245.85 | 90.15 | 127.82 | 96.55 | 42.54 | 76.83 | 59.01 | 64.78 | 66.70 | 57.86 | 238.81 | --- |
| China | 621.50 | --- | 313.50 | 305.80 | 698.56 | 1308.04 | 687.50 | 896.50 | 1526.32 | 971.60 | 4044.00 | --- |
| Finland | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.44 | 0.00 | 0.00 | --- | --- |
| France | 791.69 | --- | --- | 2046.13 | 2889.81 | 4723.80 | 5797.72 | 5672.83 | 5334.70 | 6314.02 | 6299.39 | --- |
| Germany | 511.15 | --- | --- | 594.72 | 479.66 | 610.53 | 641.47 | 793.71 | 804.93 | 681.95 | 528.50 | --- |
| Greece | 75.35 | 109.89 | 130.08 | 115.01 | 188.82 | 251.96 | 376.81 | 440.28 | 465.41 | 512.38 | --- | --- |
| India | 118.93 | --- | --- | 205.76 | 265.04 | 265.98 | 314.19 | 280.45 | 0.00 | 0.00 | 0.00 | --- |
| Italy | 336.60 | 426.86 | 433.80 | 451.96 | 498.91 | 551.23 | 462.82 | 799.20 | 652.21 | 700.51 | 775.75 | --- |
| Japan | 1639.01 | --- | 2383.77 | 2590.51 | 4555.56 | 3408.49 | 6296.16 | 4428.36 | 4224.42 | 3994.89 | 4658.37 | --- |
| Lithuania | 0.00 | 0.00 | 0.00 | 0.00 | --- | 0.00 | -0.12 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Mexico | 208.45 | 138.27 | 160.49 | 102.96 | 158.13 | 126.39 | 117.76 | 296.67 | 303.32 | 238.54 | 328.96 | --- |
| Netherlands | 514.02 | 604.13 | 0.00 | 700.67 | 822.25 | 883.10 | 844.13 | 974.63 | 926.70 | 1144.61 | 984.45 | --- |
| Norway | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.30 | --- |
| Poland | 0.00 | --- | --- | --- | 0.00 | 0.00 | --- | -46.26 | 0.00 | 0.00 | 0.00 | --- |
| Russian Federation | 1194.00 | 436.50 | 425.50 | 267.16 | 172.00 | 198.12 | 184.20 | 74.41 | 72.26 | 67.10 | 146.27 | --- |
| South Africa | 0.00 | 0.00 | 0.00 | 56.54 | 84.48 | 87.01 | 56.76 | 0.00 | 0.00 | 0.00 | 0.00 | --- |
| Spain | 482.24 | 422.46 | 316.97 | 399.85 | 412.50 | 97.74 | 741.24 | 249.37 | 948.59 | 915.37 | 916.36 | --- |
| Switzerland | 0.00 | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -6.01 | 0.00 | 0.00 | 0.00 | --- |
| United States of America | 6564.82 | --- | --- | 5560.82 | 7185.27 | ##### | 14892.74 | 12542.76 | ##### | 14985.64 | 14489.80 | --- |
| Venezuela | 80.31 | 85.81 | 102.52 | 112.83 | 113.00 | 84.17 | 87.18 | 85.86 | 88.97 | 66.40 | 25.07 | --- |

Comments:

The data is reported to the secretariat by the parties to the Montreal Protocol on Substances that Deplete the Ozone Layer. The Annex C, group I: Hydrochlorofluorocarbons (HCFCs) comprise CHFCI₂, CHF₂Cl, CH₂FCl, C₂HFCI₄, C₂HF₂Cl₃, C₂HF₃Cl₂, CHCl₂CF₃, C₂HF₄Cl, CHFCICF₃, C₂H₂FCl₃, C₂H₂F₂Cl₂, C₂H₂F₃Cl, C₂H₃FCl₂, CH₃CFCl₂, C₂H₃F₂Cl, CH₃CF₂Cl, C₂H₄FCl, C₃HFCI₆, C₃HF₂Cl₅, C₃HF₃Cl₄, C₃HF₄Cl₃, C₃HF₅Cl₂, CF₃CF₂CHCl₂, CF₂CICF₂CHClF, C₃HF₆Cl, C₃H₂FCl₅, C₃H₂F₂Cl₄, C₃H₂F₃Cl₃, C₃H₂F₄Cl₂, C₃H₂F₅Cl, C₃H₃FCl₄, C₃H₃F₂Cl₃, C₃H₃F₃Cl₂, C₃H₃F₄Cl, C₃H₄FCl₃, C₃H₄F₂Cl₂, C₃H₄F₃Cl, C₃H₅FCl₂, C₃H₅F₂Cl, C₃H₆FCl.

Production of Ozone-Depleting Substances (ODS) / Annex B, Group III: Methyl Chloroform

Units: ozone depleting potential (ODP) tonnes

Data Source: Production and Consumption of Ozone Depleting Substances 1986-2000

Data Provider: Secretariat for the Vienna Convention and the Montreal Protocol (the Ozone Secretariat)

Years: 1989-2000

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| Countries and Territories | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 |
|---------------------------------|----------|--------|----------|----------|----------|---------|---------|--------|---------|--------|---------|
| Belarus | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -5.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| Brazil | 1130.00 | 660.00 | ---- | 750.00 | 764.00 | 39.20 | 0.00 | 0.00 | 0.00 | 0.00 | 97.20 |
| Canada | 1132.10 | 823.00 | 508.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| China | 0.00 | 44.00 | 50.60 | 20.00 | 19.45 | -74.80 | -98.90 | 99.40 | 104.40 | 134.90 | 122.50 |
| Finland | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.04 | 0.00 | 0.00 | ---- |
| France | 6169.50 | ---- | ---- | 5427.20 | 2422.40 | 1704.50 | 1439.00 | 71.00 | 223.00 | 184.30 | 259.50 |
| Germany | 6895.20 | ---- | ---- | 5534.20 | 3005.90 | 1135.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| India | 46.70 | ---- | ---- | 48.30 | 55.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Japan | 15636.40 | ---- | 17068.50 | 15705.40 | 7146.00 | 463.70 | 5248.00 | 867.60 | 1078.70 | 898.80 | 1047.80 |
| Romania | 27.20 | ---- | ---- | ---- | 9.90 | 7.80 | 6.05 | 12.90 | 2.91 | 0.00 | 0.00 |
| Russian Federation | 330.00 | 310.00 | 310.00 | 400.00 | 100.00 | 196.57 | 202.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| Switzerland | 0.00 | ---- | -15.00 | 0.00 | -3.50 | 0.00 | 0.00 | -4.00 | 0.00 | 0.00 | -0.10 |
| United States of America | 31517.00 | ---- | ---- | 25722.60 | 20637.10 | 5794.60 | 4598.60 | 447.50 | 437.30 | 262.30 | 245.80 |

Comments:

The data is reported to the Secretariat by the parties to the Montreal Protocol on Substances that Deplete the Ozone Layer. The Annex B, group III: methyl chloroform comprises $\text{C}_2\text{H}_3\text{Cl}_3$ (this formula does not refer to 1,1,2-trichloroethane).

Production of Ozone-Depleting Substances (ODS) / Annex B, Group I: Other fully Halogenated CFCs

Units: ozone depleting potential (ODP) tonnes

Data Source: Production and Consumption of Ozone Depleting Substances 1986-2000

Data Provider: Secretariat for the Vienna Convention and the Montreal Protocol (the Ozone Secretariat)

Years: 1989-2000

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| Countries and Territories | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---------------------------------|---------|--------|---------|---------|--------|---------|---------|---------|-------|-------|-------|------|
| Argentina | 0.00 | 0.00 | 0.00 | 10.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ---- |
| Belarus | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.22 | 0.00 | 0.00 | 0.00 | 0.00 | ---- |
| China | 0.00 | ---- | 0.00 | 0.00 | 0.00 | 0.00 | 35.00 | 17.00 | 27.00 | 26.00 | 27.00 | ---- |
| Czech Republic | 0.00 | ---- | ---- | ---- | 0.00 | 0.00 | -0.25 | 0.00 | 0.00 | 0.00 | 0.00 | ---- |
| Germany | 61.00 | ---- | ---- | 20.00 | 32.00 | 13.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ---- |
| Italy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -184.00 | -282.00 | -146.00 | 0.00 | 0.00 | 0.00 | ---- |
| Japan | 2342.00 | ---- | 1585.00 | 1600.00 | 808.00 | 136.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ---- |
| Lithuania | 0.00 | ---- | ---- | ---- | ---- | 0.00 | -0.30 | 0.00 | 0.00 | 0.00 | 0.00 | ---- |
| Netherlands | 23.00 | 32.00 | 0.00 | 0.00 | 19.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ---- |
| Russian Federation | 300.00 | 300.00 | 250.00 | 17.00 | 0.60 | 25.00 | 25.00 | 20.00 | 75.00 | 13.05 | 16.50 | ---- |
| United States of America | 577.00 | ---- | ---- | 75.00 | 106.00 | 101.00 | 38.00 | 0.00 | 0.00 | -1.00 | 0.00 | ---- |

Comments:

The data is reported to the Secretariat by the parties to the Montreal Protocol on Substances that Deplete the Ozone Layer. Annex B, group I: other fully halogenated CFCs comprise CF_3Cl , C_2FCl_5 , $\text{C}_2\text{F}_2\text{Cl}_4$, C_3FCl_7 , $\text{C}_3\text{F}_2\text{Cl}_6$, $\text{C}_3\text{F}_3\text{Cl}_5$, $\text{C}_3\text{F}_4\text{Cl}_4$, $\text{C}_3\text{F}_5\text{Cl}_3$, $\text{C}_3\text{F}_6\text{Cl}_2$, $\text{C}_3\text{F}_7\text{Cl}$.

2.3 Disasters

In this section, only those countries are listed for which there is data available. Countries for which the data value is zero or not available are not shown.

2.3.1 Environmental Hazards

If not specified otherwise, for all variables:

Units: number of people

Data Source: EM-DAT: The OFDA/CRED International Disaster Database (data as of December 2001)

Data Provider: The OFDA/CRED International Disaster Database –
<http://www.cred.be/emdat> - Université Catholique de Louvain - Brussels - Belgium

Years: 1975-2000

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Extreme Temperatures - Total Affected

| Countries and Territories | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---------------------------|------|------|---------|------|-------|---------|---------|--------|------|--------|-------|--------|-------|
| Afghanistan | 0 | 0 | 0 | 200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Argentina | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25000 | 0 | 0 | 0 | 0 | 300 |
| Australia | 0 | 0 | 0 | 0 | 0 | 3000500 | 1100184 | 500100 | 0 | 0 | 0 | 0 | 0 |
| Bangladesh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34000 | 0 | 0 |
| Bolivia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25277 |
| Brazil | 600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bulgaria | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 323 | 0 | 0 |
| Chile | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10000 | 0 | 0 | 0 | 0 | 0 |
| China | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3180 | 0 | 0 | 0 |
| Croatia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 200 |
| Cyprus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 400 |
| Egypt | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 105 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10000 | 0 | 0 | 0 |
| Greece | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Israel | 0 | 0 | 0 | 0 | 240 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kazakhstan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 600000 | 0 | 0 | 0 |
| Liberia | 0 | 0 | 1000000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mexico | 0 | 0 | 0 | 0 | 16000 | 0 | 0 | 0 | 0 | 1400 | 0 | 0 | 0 |
| Pakistan | 0 | 0 | 0 | 250 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Romania | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 200 | 0 | 1700 | 0 | 100 |
| Russian Federation | 0 | 0 | 0 | 0 | 0 | 260 | 0 | 108 | 0 | 0 | 263 | 725246 | 346 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 0 | 0 | 0 | 0 |
| Turkey | 0 | 0 | 0 | 0 | 0 | 0 | 8000 | 0 | 0 | 0 | 0 | 0 | 300 |
| Uruguay | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 400 |
| Yugoslavia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 |

Comments:

Extreme temperature: disaster type term comprising the two disaster subsets "heat wave" and "cold wave" (long lasting period with extremely high or low surface temperature).

Total affected: people that have been injured affected and left homeless after a disaster are included in this category.

Earthquakes – Total Affected

| Countries and Territories | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|-----------------------------|-------|--------|---------|--------|--------|--------|--------|---------|---------|--------|--------|---------|---------|
| Afghanistan | 0 | 0 | 0 | 95000 | 0 | 0 | 100330 | 0 | 3250 | 0 | 149753 | 124867 | 0 |
| Algeria | 0 | 930407 | 0 | 0 | 2250 | 0 | 22789 | 0 | 0 | 0 | 0 | 32675 | 0 |
| Australia | 0 | 0 | 0 | 0 | 0 | 0 | 5025 | 0 | 0 | 0 | 0 | 0 | 0 |
| Azerbaijan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 700000 | 15265 | 3294 |
| Bangladesh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 200 | 0 | 15200 | 1000 |
| Bolivia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18150 | 0 | 0 |
| Chile | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1888 | 0 | 40098 | 0 | 0 | 0 |
| China | 0 | 0 | 64335 | 283358 | 16000 | 30066 | 600 | 735456 | 1857029 | 3106 | 938527 | 71607 | 2159765 |
| Colombia | 0 | 0 | 0 | 867 | 3560 | 3071 | 37416 | 15641 | 0 | 0 | 0 | 1205933 | 0 |
| Costa Rica | 0 | 0 | 14609 | 14349 | 0 | 240 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Croatia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2000 | 0 | 0 | 0 | 0 |
| Cuba | 0 | 0 | 0 | 0 | 7050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cyprus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3115 | 0 | 0 | 0 | 0 | 0 |
| Ecuador | 0 | 40 | 10 | 0 | 0 | 0 | 0 | 890 | 30180 | 0 | 2040 | 0 | 0 |
| Egypt | 0 | 0 | 0 | 0 | 34929 | 0 | 0 | 69 | 0 | 0 | 0 | 0 | 0 |
| Georgia | 0 | 0 | 0 | 266700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Germany | 0 | 0 | 0 | 0 | 1525 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Greece | 0 | 17 | 61 | 0 | 0 | 1516 | 0 | 28920 | 1500 | 0 | 0 | 172000 | 600 |
| Guam | 0 | 0 | 0 | 0 | 0 | 71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Guatemala | 0 | 0 | 0 | 23890 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 280 |
| Iceland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 |
| India | 0 | 44 | 0 | 54383 | 0 | 195566 | 0 | 0 | 126500 | 0 | 477394 | 0 | 0 |
| Indonesia | 0 | 20000 | 9208 | 5581 | 99603 | 0 | 260596 | 185924 | 16761 | 3105 | 5088 | 17930 | 205713 |
| Iran (Islamic Republic of) | 0 | 100 | 626100 | 1501 | 4050 | 4049 | 16641 | 0 | 0 | 196607 | 8765 | 7057 | 3015 |
| Iraq | 0 | 0 | 0 | 500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Italy | 0 | 407700 | 3216 | 0 | 0 | 0 | 0 | 0 | 168100 | 0 | 0 | 0 | 0 |
| Jamaica | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Japan | 0 | 67 | 0 | 0 | 32 | 14755 | 1738 | 1838447 | 0 | 0 | 0 | 0 | 7232 |
| Kazakhstan | 0 | 0 | 21516 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kyrgyzstan | 0 | 0 | 0 | 0 | 196900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mexico | 0 | 6360 | 0 | 0 | 0 | 0 | 0 | 67310 | 0 | 17000 | 0 | 40778 | 0 |
| Myanmar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100136 | 0 | 0 | 0 | 0 | 0 |
| Nepal | 0 | 275600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Netherlands | 0 | 0 | 0 | 0 | 620 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nicaragua | 0 | 0 | 0 | 0 | 40989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7477 |
| Pakistan | 0 | 0 | 246 | 205244 | 6600 | 0 | 0 | 0 | 0 | 10100 | 0 | 0 | 0 |
| Panama | 0 | 0 | 0 | 18060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Papua New Guinea | 0 | 0 | 0 | 0 | 0 | 20200 | 0 | 0 | 0 | 0 | 0 | 0 | 5000 |
| Peru | 0 | 3000 | 100800 | 47285 | 0 | 145 | 0 | 0 | 85598 | 0 | 0 | 8130 | 0 |
| Philippines | 0 | 0 | 1766863 | 0 | 0 | 0 | 200195 | 0 | 0 | 0 | 0 | 190 | 0 |
| Portugal | 0 | 21900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1100 | 0 | 0 |
| Romania | 0 | 0 | 700 | 4005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Russian Federation | 0 | 0 | 0 | 0 | 0 | 0 | 2342 | 750 | 0 | 0 | 0 | 11260 | 19108 |
| Slovenia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 700 | 0 | 0 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 |
| Sudan | 0 | 0 | 10000 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Taiwan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 108987 | 0 |
| Tajikistan | 0 | 0 | 0 | 3006 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17000 |
| Turkey | 53372 | 0 | 0 | 0 | 322000 | 0 | 0 | 50348 | 0 | 0 | 53433 | 1569792 | 24481 |
| Uganda | 0 | 0 | 0 | 0 | 0 | 0 | 50000 | 0 | 0 | 0 | 0 | 0 | 0 |
| United Republic of Tanzania | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 791 |
| United States of America | 0 | 0 | 30 | 104 | 647 | 0 | 33788 | 0 | 0 | 0 | 0 | 0 | 41 |
| Uzbekistan | 0 | 0 | 0 | 0 | 50000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vanuatu | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14100 | 0 |
| Venezuela | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28683 | 0 | 0 | 0 |
| Wallis and Futuna | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yemen | 0 | 0 | 0 | 367040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yugoslavia | 0 | 5100 | 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Comments:

Earthquake: sudden break within the upper layers of the earth, sometimes breaking the surface, resulting in the vibration of the ground, which where strong enough will cause the collapse of buildings and destruction of life and property.

Total affected: people that have been injured affected and left homeless after a disaster are included in this category.

Slides - Total Affected

| Countries and Territories | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|----------------------------|-------|------|------|-------|-------|-------|--------|---------|------|-------|--------|-------|--------|
| Afghanistan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 174 | 0 | 0 | 0 | 0 | 0 |
| Algeria | 0 | 0 | 0 | 0 | 0 | 696 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Australia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 101 | 0 | 0 | 0 | 0 |
| Austria | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10000 | 0 |
| Bolivia | 0 | 0 | 0 | 0 | 600 | 0 | 165000 | 0 | 0 | 0 | 23 | 0 | 0 |
| Bosnia and Herzegovina | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 403 |
| Brazil | 0 | 0 | 0 | 600 | 60 | 0 | 0 | 2000 | 7105 | 0 | 0 | 9 | 143000 |
| Chile | 0 | 0 | 0 | 82811 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| China | 0 | 0 | 5115 | 500 | 0 | 65 | 0 | 0 | 631 | 1851 | 15 | 45 | 2027 |
| Colombia | 0 | 0 | 0 | 221 | 0 | 3492 | 0 | 0 | 110 | 0 | 0 | 3400 | 0 |
| Costa Rica | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 200 |
| Ecuador | 0 | 0 | 0 | 0 | 0 | 75066 | 0 | 0 | 0 | 0 | 0 | 0 | 385 |
| Egypt | 0 | 0 | 0 | 0 | 0 | 300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ethiopia | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 0 | 0 | 165 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 260 | 0 |
| French Polynesia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 511 | 0 | 0 |
| Iceland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83 | 0 | 0 | 0 | 0 | 0 |
| India | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 1119535 | 0 | 2030 | 200156 | 0 | 100 |
| Indonesia | 0 | 3010 | 0 | 0 | 37000 | 0 | 0 | 0 | 4 | 0 | 0 | 2 | 56749 |
| Iran (Islamic Republic of) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5040 | 0 | 0 |
| Italy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| Japan | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 0 | 3 | 15 | 130 | 0 | 0 |
| Kyrgyzstan | 0 | 0 | 0 | 0 | 0 | 0 | 58500 | 0 | 0 | 0 | 0 | 0 | 0 |
| Malaysia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 262 | 0 | 0 | 0 | 0 |
| Mexico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120 | 0 | 0 |
| Mozambique | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2500 | 0 | 0 |
| Nepal | 75000 | 0 | 0 | 0 | 0 | 200 | 0 | 534 | 0 | 0 | 0 | 0 | 0 |
| Nigeria | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300 |
| Pakistan | 0 | 0 | 0 | 0 | 0 | 314 | 0 | 0 | 0 | 0 | 3000 | 0 | 0 |
| Papua New Guinea | 0 | 0 | 0 | 5000 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30000 | 2607 | 1200 | 0 |
| Philippines | 0 | 0 | 0 | 0 | 0 | 0 | 73843 | 0 | 8 | 0 | 0 | 45 | 2800 |
| Portugal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 0 | 0 | 0 |
| Romania | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 330 | 0 |
| Russian Federation | 0 | 0 | 0 | 0 | 1750 | 0 | 0 | 0 | 300 | 0 | 0 | 0 | 508 |
| Saint Lucia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 175 | 0 | 0 | 0 | 0 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 129 | 0 | 0 | 0 | 0 |
| Sri Lanka | 0 | 0 | 0 | 0 | 0 | 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Switzerland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1500 |
| Turkey | 0 | 0 | 0 | 0 | 1084 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Uzbekistan | 0 | 0 | 0 | 0 | 400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Viet Nam | 0 | 0 | 0 | 0 | 38000 | 0 | 1034 | 0 | 0 | 0 | 0 | 0 | 39 |

Comments:

Slide: disaster type comprising the two disaster subsets "avalanche" (rapid and sudden sliding and flowage of masses of usually unsorted mixtures of snow/ice/rock material) and "landslide" (in general, all varieties of slope movement, under the influence of gravity. More strictly refers to down-slope movement of rock and/or earth masses along one or several slide surfaces).

Total affected: people that have been injured affected and left homeless after a disaster are included in this category.

Volcanic Eruptions - Total Affected

| Countries and Territories | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---------------------------------|------|-------|-------|---------|--------|--------|--------|-------|------|------|------|-------|-------|
| Argentina | 0 | 0 | 0 | 63200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cameroon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3010 | 0 |
| Cape Verde | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6306 | 0 | 0 | 0 | 0 | 0 |
| Chile | 0 | 0 | 0 | 63200 | 0 | 350 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Comoros | 0 | 0 | 0 | 200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Costa Rica | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 450 | 0 | 0 |
| Ecuador | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24200 | 0 |
| Guatemala | 0 | 0 | 0 | 0 | 5000 | 0 | 0 | 0 | 743 | 0 | 600 | 0 | 800 |
| Indonesia | 0 | 52235 | 42851 | 7679 | 0 | 3464 | 8048 | 0 | 0 | 3000 | 6000 | 0 | 0 |
| Italy | 0 | 0 | 0 | 7000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Japan | 0 | 0 | 0 | 10020 | 40000 | 4930 | 0 | 0 | 0 | 0 | 0 | 0 | 16400 |
| Mexico | 0 | 0 | 0 | 0 | 0 | 0 | 75700 | 0 | 0 | 0 | 758 | 650 | 41000 |
| Montserrat | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5000 | 4000 | 4000 | 0 | 0 | 0 |
| Nicaragua | 0 | 0 | 0 | 0 | 310075 | 0 | 0 | 12000 | 0 | 0 | 0 | 6195 | 0 |
| Papua New Guinea | 0 | 0 | 0 | 0 | 0 | 0 | 152002 | 0 | 1829 | 0 | 0 | 0 | 0 |
| Peru | 0 | 0 | 4000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Philippines | 0 | 0 | 0 | 1041865 | 1578 | 165009 | 0 | 0 | 0 | 0 | 0 | 0 | 60796 |
| Trinidad and Tobago | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 200 | 0 | 0 | 0 |
| United States of America | 0 | 2500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Comments:

Volcanic eruption: discharge (aerially explosive) of fragmentary ejecta, lava and gases from a volcanic vent.

Total affected: people that have been injured affected and left homeless after a disaster are included in this category.

Wild Fires - Total Affected

| Countries and Territories | 1975 | 1980 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---------------------------------|------|------|------|------|-------|------|---------|------|------|-------|--------|------|-------|
| Australia | 0 | 40 | 0 | 0 | 0 | 0 | 46161 | 0 | 0 | 0 | 0 | 2000 | 200 |
| Bolivia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6300 | 0 |
| Brazil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12000 | 0 | 0 |
| Bulgaria | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 167 |
| Canada | 0 | 5000 | 0 | 0 | 0 | 0 | 3000 | 6500 | 0 | 1600 | 8000 | 1500 | 0 |
| Central African Republic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85 | 0 | 0 | 0 | 0 | 0 |
| Chile | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300 | 0 | 1000 | 0 |
| Costa Rica | 0 | 0 | 0 | 0 | 1200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1259 | 0 | 6 | 0 |
| Greece | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2014 | 0 | 0 | 600 | 0 | 109 |
| Guinea-Bissau | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1500 | 0 | 0 |
| Indonesia | 0 | 0 | 0 | 8 | 0 | 0 | 3000000 | 0 | 0 | 32000 | 2000 | 0 | 0 |
| Israel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 240 | 0 | 0 | 0 | 0 | 0 |
| Italy | 0 | 0 | 0 | 0 | 0 | 0 | 300 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kazakhstan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8000 | 0 | 0 | 0 |
| Malaysia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3000 | 0 | 0 | 0 | 0 | 0 |
| Mongolia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5061 | 0 | 0 | 0 | 0 |
| Nepal | 0 | 0 | 0 | 0 | 50000 | 0 | 0 | 0 | 0 | 0 | 0 | 4000 | 0 |
| Papua New Guinea | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8000 | 0 | 0 | 0 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1000 | 0 | 0 | 0 |
| Philippines | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300 | 0 | 0 |
| Republic of Korea | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 855 |
| Russian Federation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 200 | 0 | 100683 | 0 | 0 |
| South Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3005 | 1250 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 16520 | 0 | 0 | 0 | 600 | 0 | 0 |
| Turkey | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 500 | 0 | 0 | 0 | 350 |
| United States of America | 0 | 0 | 0 | 7233 | 990 | 130 | 1432 | 0 | 50 | 1000 | 41221 | 1019 | 36087 |

Comments:

Wild fire: disaster type term comprising the two disaster subsets "forest fire" and "scrub fire".

Forest fire: fires in forest that cover extensive damage. They may start by natural causes such as volcanic eruptions or lightning, or they may be caused by arsonists or careless smokers, by those burning wood, or by clearing a forest area.

Scrub fire: fires in scrub or bush that cover extensive damage. They may start by natural causes such as volcanic eruptions or lightning, or they may be caused by arsonists or careless smokers, by those burning wood, or by clearing a forest area.

Total affected: people that have been injured affected and left homeless after a disaster are included in this category.

Forest Fire Extent - Annual Average

Units: thousand hectares

Data Source: Global Forest Resources Assessment 2000

Data Provider: Food and Agriculture Organization of the United Nations (FAO)

Years: 1990-00

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| Countries and Territories | 1990-00 |
|--|---------|
| Albania | 0.49 |
| Argentina | 465.23 |
| Armenia | 0.02 |
| Austria | 0.12 |
| Azerbaijan | 0.04 |
| Belarus | 4.12 |
| Belgium | 0.11 |
| Bosnia and Herzegovina | 0.76 |
| Bulgaria | 3.57 |
| Canada | 501.63 |
| Chile | 24.07 |
| Croatia | 3.89 |
| Czech Republic | 0.88 |
| Denmark | 0.02 |
| Estonia | 0.21 |
| Finland | 0.78 |
| France | 31.50 |
| Germany | 1.44 |
| Greece | 19.74 |
| Ireland | 0.19 |
| Italy | 20.51 |
| Japan | 2.33 |
| Kazakhstan | 1.80 |
| Latvia | 0.84 |
| Lithuania | 0.28 |
| Mexico | 66.78 |
| Moldova, Republic of | 0.02 |
| Netherlands | 0.03 |
| New Zealand | 0.33 |
| Norway | 0.46 |
| Poland | 6.99 |
| Portugal | 45.78 |
| Romania | 0.34 |
| Russian Federation | 799.90 |
| Slovakia | 0.11 |
| Slovenia | 0.36 |
| Spain | 68.28 |
| Sweden | 1.63 |
| Switzerland | 0.48 |
| The former Yugoslav Republic of Macedonia | 3.36 |
| Trinidad and Tobago | 0.42 |
| Turkey | 8.45 |
| Ukraine | 21.60 |
| United Kingdom of Great Britain and Northern Ireland | 0.43 |
| Yugoslavia | 2.93 |

Comments:

Forest fire extent - annual average comprises the reported forest areas exposed to fire.

Total forest includes natural forests and forest plantations. The term is used to refer to land with a tree cover of more than 10 percent and area of more than 0.5 ha. Forests are determined both by the presence of trees and the absence of other predominant land uses. The trees should be able to reach a minimum height of 5 m. Young stands that have not yet reached, but are expected to reach, a crown density of 10 percent and tree height of 5 m are included under forest, as are temporarily unstocked areas. The term includes forests used for purposes of production, protection, multiple use or conservation (i.e. forest in national parks, nature reserves and other protected areas), as well as forest stands on agricultural lands (e.g. windbreaks and shelterbelts of trees with a width of more than 20 m) and rubberwood plantations and cork oak stands. The term specifically excludes stands of trees established primarily for agricultural production, for example fruit tree plantations. It also excludes trees planted in agroforestry systems.

3 Acronyms and Abbreviations

| | |
|-----------------|--|
| BKB | Patent Fuel and Brown Coal/Peat Briquettes |
| CDIAC | Carbon Dioxide Information Analysis Centre (http://cdiac.esd.ornl.gov/home.html) |
| CFC | Chlorofluorocarbon |
| CIESIN | Centre for International Earth Science Information Network (http://www.ciesin.org) |
| CIFOR | Centre for International Forestry Research (http://www.cifor.cgiar.org) |
| cm | Centimetre |
| CRED | Centre for Research on the Epidemiology of Disasters (http://www.cred.be) |
| EDGAR | Emission Database for Global Atmospheric Research |
| EEZ | Exclusive Economic Zone |
| EM-DAT | The OFDA/CRED International Disaster Database |
| FAO | Food and Agriculture Organization of the United Nations (http://www.fao.org) |
| FAOSTAT | Food and Agriculture Organization of the United Nations Statistical Database (http://apps.fao.org) |
| FDI | Foreign direct investment |
| FSC | Forest Stewardship Council (http://www.fscoax.org) |
| g | Gram |
| GDP | Gross Domestic Product |
| GEO | Global Environment Outlook |
| GHG | Green House Gases |
| GIS | Geographic Information System |
| GMBD | Global Maritime Boundaries Database (www.maritimeboundaries.com) |
| GRID | Global Resource Information Database |
| GWh | Gigawatt-hour |
| GWP | Global Warming Potential |
| ha | Hectare |
| HFC | Hydrofluorocarbon |
| IEA | International Energy Agency (http://www.iea.org) |
| IMF | International Monetary Fund (http://www.imf.org) |
| IPCC | Intergovernmental Panel on Climate Change (http://www.ipcc.ch) |
| IRF | International Road Federation (http://www.irfnet.org) |
| ISIC | International Standard Industrial Classification |
| ISP | Internet Service Provider |
| ISSCAAP | FAO International Standard Statistical Classification of Aquatic Animals and Plants |
| ITU | International Telecommunication Union's (http://www.itu.org) |
| IUCN | The International Union for the Conservation of Nature / The World Conservation Union (www.iucn.org) |
| JMP | United Nations Children's Fund Joint Monitoring Programme for Water Supply and Sanitation |
| UNICEF | United Nations Children's Fund (http://www.unicef.org) |
| kg | Kilogram |
| km | Kilometre |
| km ² | Square kilometre |
| ktoe | Thousand Tonnes of Oil Equivalent |
| kWh | Kilowatt per hour |
| LPG | Liquefied Petroleum Gas |
| Mtoe | Million Tonnes of Oil Equivalent |
| MWe | Megawatt-electricity |
| NATO | North Atlantic Treaty Organization (http://www.nato.int) |
| NER | Net enrolment ratio |
| NGL | Natural Gas Liquids |
| NMVOC | Non-Methane Volatile Organic Compounds |
| ODA | Official Development Assistance |
| ODP | Ozone Depleting Potential |
| OECD | Organization for Economic Co-operation and Development (http://www.oecd.org) |
| OFDA | Office of U.S Foreign Disaster Assistance (http://www.usaid.gov/ofda) |
| PFC | Perfluorocarbon |
| PIN | Production Index Number |
| RIVM | National Institute of Public Health and the Environment (Netherlands) (http://www.rivm.nl) |
| SSC | Species Survival Commission (http://www.iucn.org/themes/ssc) |
| TFC | Total final energy consumption |
| TJ | Terajoules |
| TNO | Netherlands Organisation for Applied Scientific Research (http://www.tno.nl) |
| toe | Tonnes of Oil Equivalents |
| TPES | Total primary energy supply |
| UIS | Institute for Statistics of the United Nations Organization for Education, Science and Culture |
| UN | United Nations (http://www.un.org) |
| UNCLOS | United Nations Convention on the Law of the Sea (http://www.unclos.com) |
| UNCTAD | United Nations Conference on Trade and Development (http://www.unctad.org) |
| UNEP-WCMC | United Nations Environment Programme World Conservation Monitoring Centre (www.unep-wcmc.org) |
| UNESCO | United Nations Organization for Education, Science and Culture (http://www.unesco.org) |
| UNFCCC | United Nations Framework Convention on Climate Change (http://www.unesco.org) |
| US\$ | US dollar |
| WHO | World Health Organization (http://www.who.int) |

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