



***UNEP***  
***Global Environment Outlook***  
***Data Portal***

<http://geodata.grid.unep.ch>





# *UNEP's GEO Data Portal*

*The GEO Data Portal is the authoritative source for data sets used by UNEP and its partners in the Global Environment Outlook (GEO) report and other integrated environment assessments.*





# *UNEP's GEO Data Portal*

## *Main target group*

*those working on the GEO assessment and report  
(UNEP/DEWA, GEO Collaborating Centres, reviewers  
and editors)*





# *UNEP's GEO Data Portal*

## *Basic functions*

- *filtering for authoritative data sources*
- *aggregation of data/indicator for GEO regions (7) and sub-regions (21)*
- *data visualization and exploration for basic analysis, graphics production and capacity development*





# *UNEP's GEO Data Portal*

*Simple, easy and light system with basic functions to explore the data through maps, graphs & tables, compare countries-regions-world, histograms etc; download in popular formats and copy&paste in word processors.*





# *UNEP's GEO Data Portal*

***Based on agreements and collaboration with many primary UN & other data providers e.g.:***

- ***UN Statistics Division***
- ***OECD***
- ***WHO***
- ***FAO***
- ***World Bank***
- ***.....***





# *UNEP's GEO Data Portal*

*Data gaps & needs taken up in GEO Data Working Group, and interagency networks such as Intersecretariat Working Group on Environment Statistics (IWG-Env), Committee for Coordination of Statistical Activities (CCSA) and others.*





# *UNEP's GEO Data Portal*

*The database holds over 500 data/indicator trend variables (stats, maps) for countries, GEO (sub-) regions and the world, identified on the basis of a 'core data list' developed as part of the GEO process and covering environmental and socio-economic domains.*







# *UNEP's GEO Data Portal*

*Produce on-the-fly maps, graphs, tables, histograms.  
See the metadata. Download the variables in different  
formats.*





# *UNEP's GEO Data Portal*

*How does it work?*





# UNEP's GEO Data Portal

UNEP DEWA GEO Global GEO Data Portal

United Nations Environment Programme  
Global Environment Outlook

**GEO Data Portal** English | Français | Contact | Help | System sign in

The GEO Data Portal is the authoritative source for **data sets** used by UNEP and its partners in the Global Environment Outlook (GEO) report and other integrated environment assessments. Its **online database** holds more than **450 different variables**, as national, subregional, regional and global statistics or as geospatial data sets (maps), covering themes like Freshwater, Population, Forests, Emissions, Climate, Disasters, Health and GDP. Display them on-the-fly as **maps**, **graphs**, **data tables** or download the data in different formats.

search the GEO Database

Level: All National Subregional Regional more »

Enter words to search for:

or use the **Advanced Search**

getting started  
 tip gallery  
 tip tutorial & user guide

links  
 collaborating centers  
 contact  
 data set list  
 data providers  
 tip  
 GEO core indicators  
 GEO data archives  
 GEO homepage  
 GEO regions & subreg user agreement

announcements  
 2008-04-11  
**New data sets added/updated:** Anthropogenic Drivers of Change on Marine Ecosystems; Nutrient Pollution (Fertilizer)

2008-03-12  
**New data sets added/updated:** Human Appropriation of Net Primary Productivity (HANPP) as a Percentage of Net Primary Productivity (NPP)

...click for more... ...read the help...



1. Keyword: 2. **Dataset:** 3. Time: 4. Option:

**select a dataset**

Number of entries found: 9

Variable	Data Set Type	GEO Region	Covered Time	Download protected?	Data Provider	Last updated	Preview
<input type="radio"/> Fish Catch - Inland Waters	National	World	1960-2005		FAO	07/2007	
<input type="radio"/> Fish Catch - Inland Waters	Regional	World	1960-2005		FAO	07/2007	
<input type="radio"/> Fish Catch - Inland Waters	Subregional	World	1960-2005		FAO	07/2007	
<input type="radio"/> Fish Catch - Marine	National	World	1960-2005		FAO	07/2007	
<input type="radio"/> Fish Catch - Marine	Regional	World	1960-2005		FAO	07/2007	
<input type="radio"/> Fish Catch - Marine	Subregional	World	1960-2005		FAO	07/2007	
<input type="radio"/> Fish Catch - Total	National	World	1960-2005		FAO	07/2007	
<input type="radio"/> Fish Catch - Total	Regional	World	1960-2005		FAO	07/2007	
<input type="radio"/> Fish Catch - Total	Subregional	World	1960-2005		FAO	07/2007	



1. Keyword: 2. Dataset: 3. Time: 4. **Option:**

**select an option**

**Draw Map**

Display the selected data set as a map, dynamically drawn by the GEO Data Portal Internet Map Server.

display as ...  
[Map](#)

**Draw Graph**

Display the selected data set as a graph and compare different countries.

display as ...  
[Graph](#)

**Show Values**

Display the selected data set with multiple analysis & display options in HTML format on a web site.

display as ...  
[Values](#)

**Download Data**

Download the selected data dynamically from the GEO Data Portal server in different formats.

download as ...  
[Adobe PDF](#)  
[Comma Delimited \(CSV\)](#)  
[ESRI Shapefile](#)  
[Microsoft Excel](#)

**Show Metadata**

display as ...  
[Metadata](#)

**Data Provider**

Food and Agriculture Organization of the United Nations





# UNEP's GEO Data Portal

## Maps

Map Graph Table Metadata Download

### Fish Catch - Marine [2005]

Source: UNEP/DEWA/GRID-Europe, GEO Data Portal

International Boundaries

Units: Metric Tons

- no data
- 0 to 3136600
- 3136600 to 6273200
- 6273200 to 9409800
- 9409800 to 12546400
- 12546400 to 15683000

General Symbology Classification Trend Analysis

General Background Query Boundaries Layers

Choose additional **display options** for your selected dataset - display the **values**, change the **year**, select a different **color-ramp**, etc. Just click on the tags above to make your selection.

This menu gives you access to the **"View"**. Change the **mapsize**, select the **background** layer, define the **query** layer etc. Just click on the tags above to make your selection.

Theme update map View

Histogram

For some map examples see [gallery](#).

The designations employed and the presentation of material on this map do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.

[Help](#)



# UNEP's GEO Data Portal

## Graphs

Map Graph Table Metadata Download

### Fish Catch - Marine

Units: Metric Tons

Year	China	Japan
1965	2,500,000	6,000,000
1970	3,000,000	8,000,000
1975	4,000,000	9,500,000
1980	4,000,000	10,000,000
1985	5,000,000	11,000,000
1990	7,000,000	10,500,000
1995	12,000,000	6,000,000
2000	16,000,000	5,000,000
2005	15,500,000	4,000,000

Source: UNEP/DEWA/GRID-Europe, GEO Data Portal; compiled from FAO, FISHSSTAT, Fishery Statistics  
23/05/2008

Note: If data is not plotted but the entry is indicated in the legend, then no values are available for the selected options.

**1 Select Module:**

One Variable - Multiple Countries  
One Country - Multiple Variables  
Calculate Difference for one Variable and one Country

**2 Select Graph Type:**

Line  
Acc. Line  
Bar

**3 Select X-Axis:**

Years on X-Axis  
Countries on X-Axis  
Countries on Y-Axis

**4 Countries/Regions/Subregions (max: 7)**

- British Virgin Islands
- Brunei Darussalam
- Bulgaria
- Burkina Faso
- Burundi
- Cambodia
- Cameroon
- Canada
- Cape Verde
- Cayman Islands
- Central African Republic
- Chad
- Chile
- China

**5 Select Years: (min: 2)**

2005  
2004  
2003  
2002  
2001  
2000  
1999  
1998  
1997

All years

**GO - make new graph**

**6 additional options:** ↓

[go back](#)





# UNEP's GEO Data Portal

## Tables

Map Graph **Table** Metadata Download

### Fish Catch - Marine

[Metric Tons]

National

Extremes → Histogram →

Sort → Graph

	1995	2000	2005	
<b>Global value</b>	84998000.00	86790500.00	83718000.00	
<b>Afghanistan</b>	x	x	x	
<b>Albania</b>	1160.00	2365.00	2065.00	
<b>Algeria</b>	105872.00	113157.00	126259.00	
<b>American Samoa</b>	152.00	832.00	3943.00	
<b>Andorra</b>	x	x	x	
<b>Angola</b>	116781.00	232351.00	230000.00	
<b>Anguilla</b>	150.00	250.00	250.00	
<b>Antarctic</b>	x	x	x	
<b>Antigua and Barbuda</b>	1610.00	1754.00	2999.00	
<b>Argentina</b>	1155880.00	891379.00	896074.00	
<b>Armenia</b>	x	x	x	
<b>Aruba</b>	140.00	163.00	162.00	
<b>Australia</b>	204104.00	189991.00	245734.00	
<b>Austria</b>	x	x	x	
<b>Azerbaijan</b>	x	x	x	
<b>Bahamas</b>	9944.00	11070.00	11347.00	
<b>Bahrain</b>	9389.00	11718.00	11854.00	
<b>Bangladesh</b>	264650.00	333799.00	474597.00	
<b>Barbados</b>	3581.00	3100.00	1869.00	
<b>Belarus</b>	x	x	x	
<b>Belgium</b>	35088.00	29289.00	24071.00	







# UNEP's GEO Data Portal

## Metadata

Map Graph Table Metadata Download

» export in ISO 19115 format

### Identification Information

**Citation**

<b>Title:</b>	Fish Catch - Marine
<b>Publication year:</b>	Apr 2007
<b>Data set type:</b>	National
<b>Spatial presentation form:</b>	textTable
<b>Units:</b>	Metric Tons
<b>Filename:</b>	fish_catch_marine

**Definitions:** Fish catch data relate to nominal catch of fish (FAOSTAT categories: demersal marine fish, pelagic marine fish, marine fish not elsewhere included, freshwater and diadromous 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.

**Abstract:** Fish, crustaceans, molluscs and all other aquatic organisms included in the FishStat Plus database have been classified according to approximately 1290 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). According to the inland or marine area where caught, capture production is also classified into eight major inland fishing areas and 19 major marine fishing areas, internationally established for fishery statistical purposes. Several countries still report their catches by large groups of species. In these circumstances the catch data presented by individual species items are likely to be underestimated. Therefore, when the statistics are examined for a particular species, it should be noted that an unknown proportion of the catches for that species might have been reported by the national office under the generic, family or order name of the species, or even more roughly as "marine fishes unspecified". Consequently, species-item totals frequently underestimate the real catch of the individual species.

**Purpose:** The FAO Fisheries and Aquaculture Department provides advice and objective information to Members to help promote responsible aquaculture and fisheries. To fulfil this role, the Department compiles, analyses and disseminates fishery data, structured within data collections. FAO is acutely aware of the fundamental social and economic role played by the fisheries sector in: Meeting global and national sustainable food security. Providing self and paid employment for fishing communities as a means of alleviating poverty in fishing communities and stemming rural/urban drift. level

**Character set:** utf8

**Language:** English

**Status:** Complete

**Update frequency:** Unknown

**Topic Category**





# UNEP's GEO Data Portal

## Download

The screenshot shows a web interface with a navigation bar at the top containing buttons for 'Map', 'Graph', 'Table', 'Metadata', and 'Download'. The 'Download' button is highlighted. Below the navigation bar is a large yellow box titled 'Download Data'. Inside this box, there is a smaller window titled 'Download' showing a file download dialog box with options for 'Open this file with Acrobat.exe' and 'Save this file'. Below the dialog box, there are four links: [Adobe PDF](#), [Comma Delimited \(CSV\)](#), [ESRI Shapefile](#), and [Microsoft Excel](#).







# *UNEP's GEO Data Portal*

***Webservices***





# UNEP's GEO Data Portal

## Statistics

Enter an ID (Empty = default values) :

Enter ISO (2 or 3) (Empty = default values) :

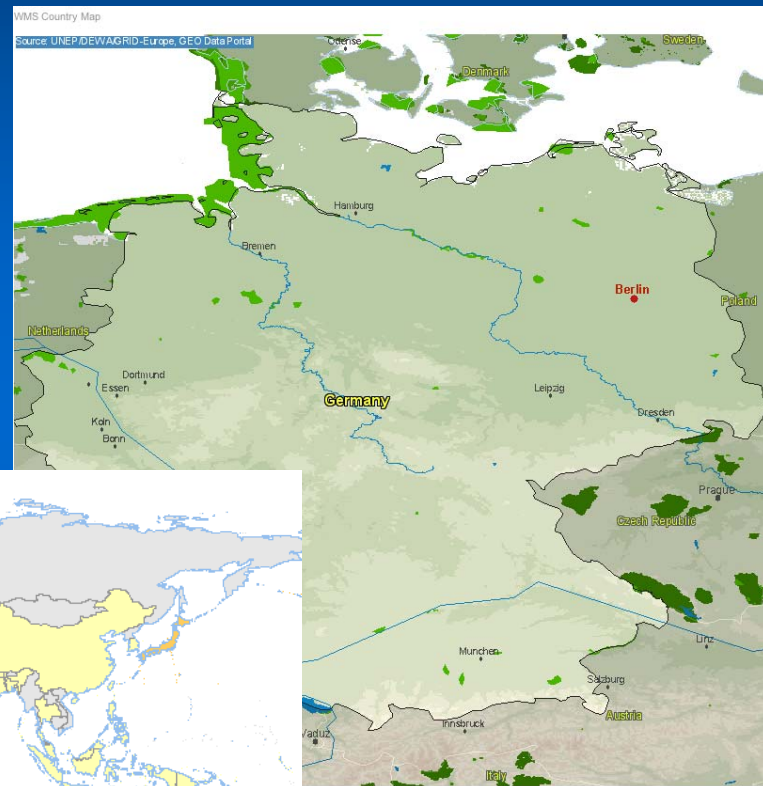
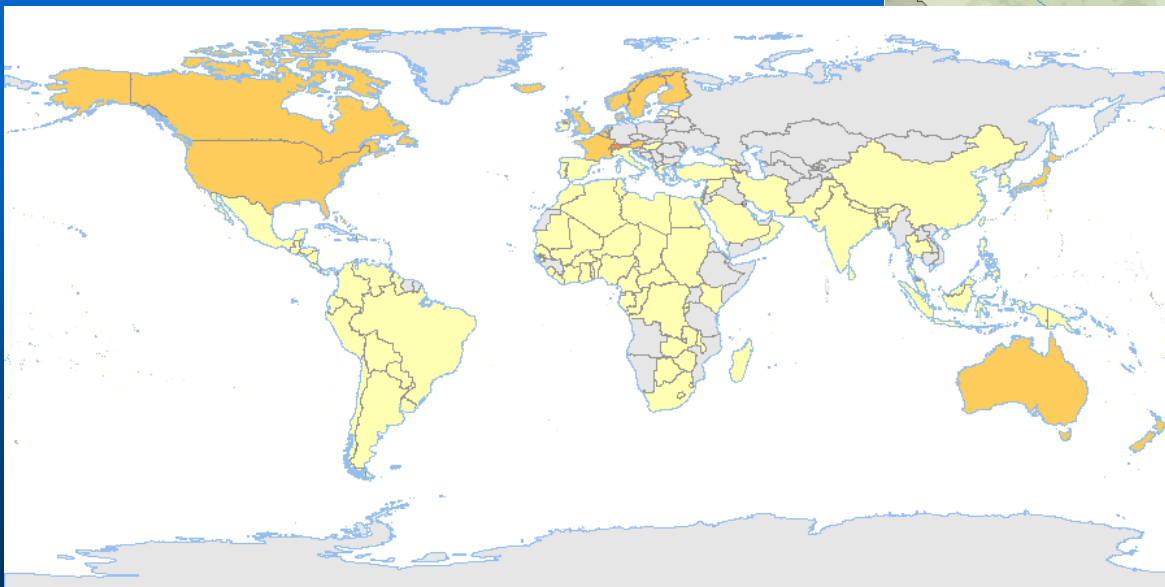
Display XML Request/Response:

Name	Year	Value	Units
Population	2005	82689.211	Thousand People
Population Density	2005	236.966	People per Square Kilometer
Total Surface Area	2002	7552	Square Kilometers
Energy Supply per \$1000 Gross Domestic Product (PPP)	2003	164	Kilogram Oil Equivalent
Carbon Dioxide Emissions - Total (UNFCCC-CDIAC)	2003	865.37	Million Metric Tons of CO2
Carbon Dioxide Emissions - per Capita (UNFCCC-CDIAC)	2003	10.48	Metric Tons of CO2 per Person
Consumption of Ozone-Depleting Substances - Chlorofluorocarbons (CFCs)	2005	x	ODP Metric Tons
Consumption of Ozone-Depleting Substances - Hydrochlorofluorocarbons (HCFCs)	2005	x	ODP Metric Tons
Consumption of Ozone-Depleting Substances - Methyl Bromide	2005	x	ODP Metric Tons
Proportion of Land Area Covered by Forest	2005	31.7409	Percent of Land Area
Forests Certified by FSC-Accredited Certification Bodies	2006	587182	Hectares
Improved Drinking Water Coverage - Total Population	2004	100	Percent of Total Population
Improved Sanitation Coverage - Total Population	2004	100	Percent of Total Population
Fish Catch - Marine	2002	185323	Metric Tons



# UNEP's GEO Data Portal

## Maps





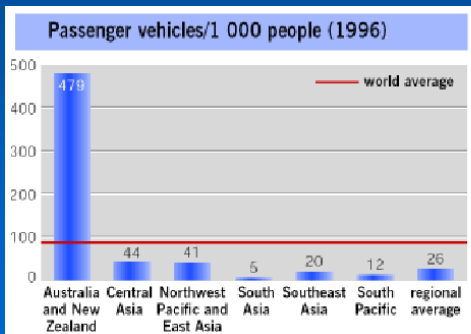
# *UNEP's GEO Data Portal*

*Where does it go?*

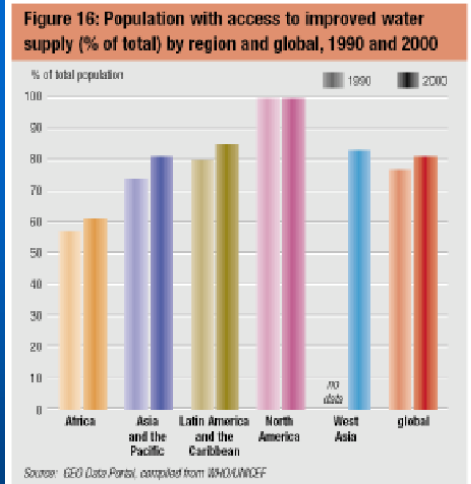




# UNEP's GEO Data Portal

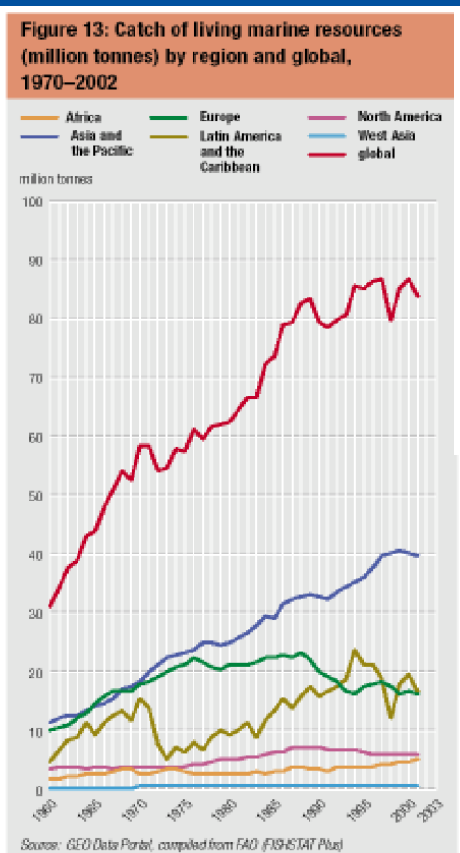


Source: GEO-3, p.221



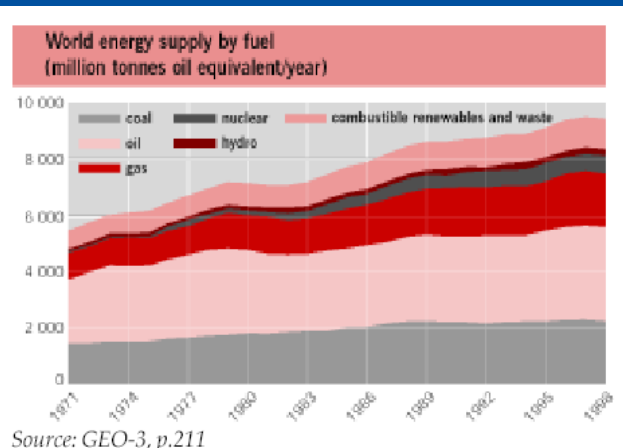
Source: GEO Data Portal, compiled from WHO/UNICEF

Source: GEO Year Book 2003, p.71

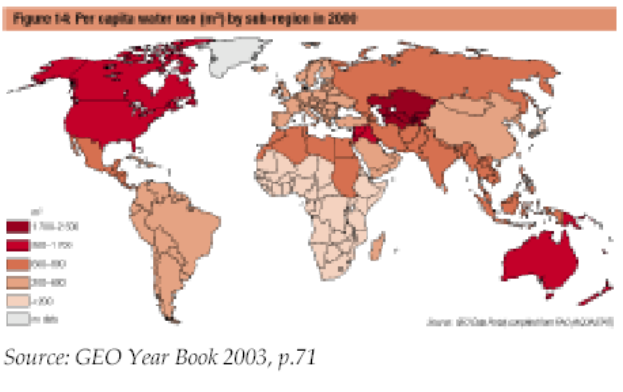


Source: GEO Data Portal, compiled from FAO (FISHSTAT Plus)

Source: GEO Year Book 2003, p.70



Source: GEO-3, p.211



Source: GEO Year Book 2003, p.71





# *UNEP's GEO Data Portal*

## *Recently added data sets:*

- ✓ *Health (skin cancer, malaria,...)*
- ✓ *Compliance with ISO14001*
- ✓ *Renewable energy supply*
- ✓ *Urban air pollution*
- ✓ *Water quality, rivers & lakes*
- ✓ *Landcover*
- ✓ *Lakes & wetlands*
- ✓ *...*





# *UNEP's GEO Data Portal*

## *Off-line & Outreach:*

- ✓ *Data Compendium*
- ✓ *CD-ROM version*
- ✓ *User Guide*
- ✓ *Technical Manual*
- ✓ *eLearning Tools*
- ✓ *Brochures*
- ✓ *...*





# *UNEP's GEO Data Portal*

## **Poor or Missing Data:**

- 1) Renewable energy
- 2) Water quality and (ground)water resources
- 3) Waste (solid & water, disposal and treatment/management)
- 4) Land degradation
- 5) Oceans (reference data, pollution/health)
- 6) Ecosystems base data (wetlands, etc)
- 7) Population density (times series, urban/rural split)
- 8) Governance (environmental policies, conventions and their effectiveness, incl. transparency & access to information)
- 9) Air emissions (non Annex-1), urban air quality and health impacts
- 10) Exotic/invasive species
- 11) Poverty & prosperity
- 12) Chemicals exposure & health
- 13) Glacier & polar ice melting
- 14) Technology use
- 15) Environment, peace and security
- 16) Targets and reference values
- 17) Gender and environment (disparities)







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