



# **Session 2: International Data Sources for Environment Statistics**

United Nations Statistics Division (UNSD)

Workshop on Environment Statistics  
Yaoundé, Cameroon, 5-9 December 2011

# CO<sub>2</sub> Emissions

**Category:** Air

**Organization:** CDIAC-

Carbon Dioxide Information Analysis Center

**Website:** <http://cdiac.ornl.gov/trends/trends.htm>

CDIAC Online Trends. A compendium of data on global change



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  - [Atmospheric Carbon Monoxide](#)
  - [Atmospheric Hydrogen](#)
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  - [Carbon Dioxide Emissions from Fossil-Fuel Consumption](#)
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  - [Estimates of Annual Fossil-Fuel CO<sub>2</sub> Emitted for Each State in the U.S.A. and the District of Columbia](#)  
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## Global, Regional, and National Fossil Fuel CO<sub>2</sub> Emissions

G. Marland, T. A. Boden, and R. J. Andres



Global (1751-2004)

Global trends

Regional (click on map above or list below to go to regions)

- Africa (1884-2004)
- Central & South America (1884-2004)
- Centrally Planned Asia (1892-2004)
- Centrally Planned Europe (1800-2004)
- Far East (1858-2004)
- Germany (1792-2004)
- Middle East (1865-2004)
- North America (1785-2004)
- Oceania (1860-2004)
- Western Europe (1751-2004)

Regional trends

National (1751-2004, varies by country)

National trends



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## Fossil-Fuel CO<sub>2</sub> Emissions by Nation



World's countries ranked by 2008 total fossil-fuel CO<sub>2</sub> emissions

World's countries ranked by 2008 fossil-fuel CO<sub>2</sub> per capita emission rates

All countries (one file - ASCII text, tabular format)

All countries (one file - comma delimited)

[2008 Top 20 fossil fuel CO<sub>2</sub> emitting countries](#)

### Graphics and Digital Data Alphabetically

[A](#), [B](#), [C](#), [D](#), [E](#), [F](#), [G](#), [H](#), [I](#), [J](#), [K](#), [L](#), [M](#), [N](#), [O](#), [P](#), [Q](#), [R](#), [S](#), [T](#), [U](#), [V](#), [W](#), [Y](#), [Z](#)

### C

[Cambodia \(1955-2008\)](#)

[Cameroon \(1950-2008\)](#)

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[Christmas Island \(1970-1983\)](#)

[Colombia \(1921-2008\)](#)

[Comoros \(1959-2008\)](#)

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[Cook Islands \(1969-2008\)](#)

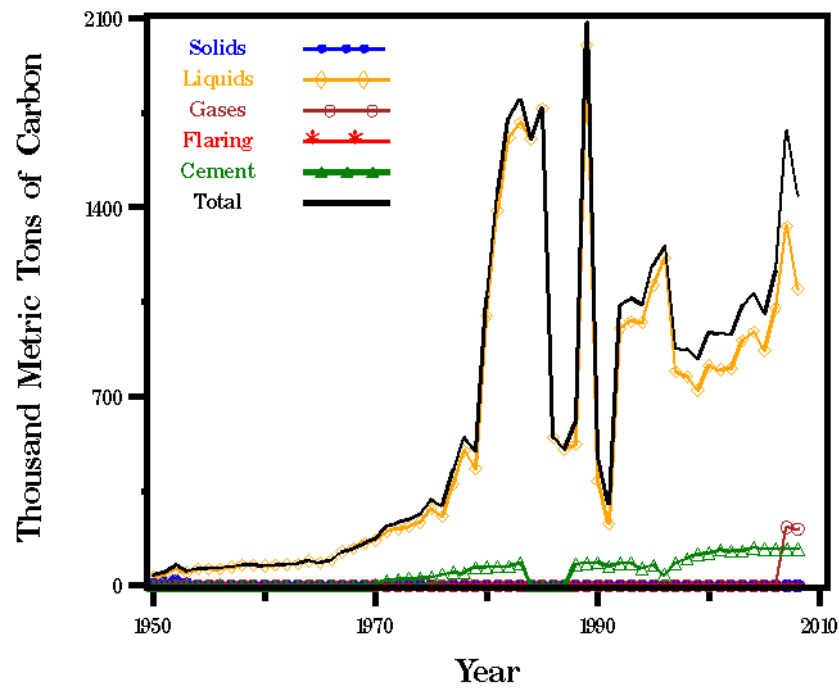
[Costa Rica \(1950-2008\)](#)

[Cote D`Ivoire \(1958-2008\)](#)

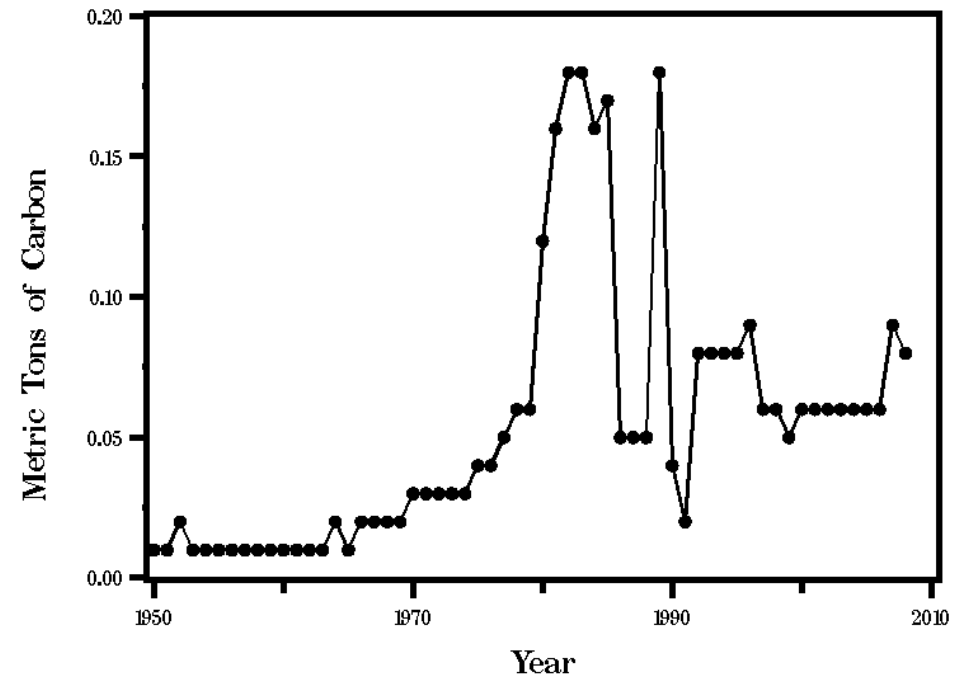
## CO<sub>2</sub> Emissions from Republic of Cameroon

Digital Data

### CO<sub>2</sub> Emissions from Republic of Cameroon



### Per capita CO<sub>2</sub> Emission Estimates for Republic of Cameroon



\*\*\* National CO2 Emissions from Fossil-Fuel Burning, \*\*\*  
 \*\*\* Cement Manufacture, and Gas Flaring: 1751-2008 \*\*\*

\*\*\* doi 10.3334/CDIAC/00001\_V2011 \*\*\*  
 \*\*\* \*\*\*  
 \*\*\* September 4, 2011 \*\*\*  
 \*\*\* \*\*\*  
 \*\*\* Source: Tom Boden \*\*\*  
 \*\*\* Gregg Marland \*\*\*  
 \*\*\* Bob Andres \*\*\*  
 \*\*\* Carbon Dioxide Information Analysis Center \*\*\*  
 \*\*\* Oak Ridge National Laboratory \*\*\*  
 \*\*\* Oak Ridge, Tennessee 37831-6335 \*\*\*  
 \*\*\* \*\*\*  
 \*\*\*\*\*

All emission estimates are expressed in thousand metric tons of carbon. To convert these estimates to units of carbon dioxide (CO2), simply multiply these estimates by 3.667.

Per capita emission estimates are expressed in metric tons of carbon. Population estimates were not available to permit calculations of national per capita estimates before 1950. Bunkers refers to fuels used for international trade and are not included in national totals.

REPUBLIC OF CAMEROON

Year	Total Fossil-Fuel Emissions	Emissions from Gas Fuels	Emissions from Liquid Fuels	Emissions from Solid Fuels	Emissions from Gas Flaring	Emissions from Cement Production	Per Capita Emission Rate	Emissions from Bunker Fuels
1950	38	0	33	6	0	0	0.01	0
1951	50	0	39	11	0	0	0.01	0
1952	77	0	59	17	0	0	0.02	0
1953	55	0	49	7	0	0	0.01	0
1954	63	0	63	0	0	0	0.01	0
1955	64	0	63	0	0	1	0.01	4
1956	65	0	62	1	0	2	0.01	5
1957	70	0	69	1	0	1	0.01	6
1958	76	0	75	1	0	1	0.01	7
1959	76	0	75	0	0	1	0.01	7
1960	74	0	73	1	0	0	0.01	7
1961	77	0	76	1	0	0	0.01	13
1962	79	0	79	0	0	0	0.01	13
1963	82	0	82	0	0	0	0.01	13
1964	92	0	92	0	0	0	0.02	13
1965	85	0	85	0	0	0	0.01	13
1966	94	0	94	0	0	0	0.02	14
1967	125	0	125	1	0	0	0.02	25
1968	138	0	137	1	0	0	0.02	29
1969	156	0	156	1	0	0	0.02	34
1970	174	0	169	1	0	4	0.03	40
1971	221	0	201	1	0	19	0.03	42
1972	235	0	211	1	0	23	0.03	50
1973	245	0	219	1	0	26	0.03	48
1974	266	0	236	1	0	29	0.03	31
1975	317	0	284	1	0	32	0.04	23
1976	298	0	257	0	0	41	0.04	26
1977	427	0	378	0	0	49	0.05	36
1978	546	0	498	0	0	48	0.06	44
1979	499	0	432	0	0	67	0.06	51
1980	1065	0	996	0	0	69	0.12	58
1981	1457	0	1386	1	0	70	0.16	32
1982	1730	0	1657	1	0	72	0.18	34
1983	1797	0	1713	1	0	83	0.18	37

# SO<sub>2</sub> Emissions

**Category:** Air

**Organization:** WRI – World Resources Institute

**Website:**

[http://earthtrends.wri.org/searchable\\_db/index.php?theme=3](http://earthtrends.wri.org/searchable_db/index.php?theme=3)

WRI Climate and Atmosphere searchable database



Coastal and Marine Ecosystems	Water Resources and Freshwater Ecosystems	<b>Climate and Atmosphere</b>	Population, Health and Human Well-being	Economics, Business and the Environment	Energy and Resources	Biodiversity and Protected Areas	Agriculture and Food	Forests, Grasslands and Drylands	Environmental Governance and Institutions
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SEARCHABLE DATABASE | MAPS | COUNTRY PROFILES | FEATURES | DATA TABLES

Quick Search:

[Quick Search Help](#)

YOUR SEARCH QUERY

1 Topic Area(s)  
Climate and Atmosphere

2 Variable

3

4

### Climate and Atmosphere

#### SEARCHABLE DATABASE

Select the variable you wish to view from the list.

- Air Pollution: Carbon monoxide emissions
- Air Pollution: Nitrogen oxides emissions
- Air Pollution: Non-methane VOC emissions
- Air Pollution: Sulfur dioxide emissions**
- Climate: Global mean surface temperature
- Climate: Global temperature anomaly
- CO2 Emissions by Source: CO2 emissions from cement production
- CO2 Emissions by Source: CO2 emissions from gas flaring
- CO2 Emissions by Source: CO2 emissions from gas fuel consumption
- CO2 Emissions by Source: CO2 emissions from liquid fuels
- CO2 Emissions by Source: CO2 emissions from solid fuels
- CO2 Emissions by Source: Cumulative emissions from land use change (source: WRI)
- CO2 Emissions: CO2 emissions per capita (source: IEA)
- CO2 Emissions: CO2 emissions per capita (source: WRI)
- CO2 Emissions: Cumulative CO2 emissions, 1900-2005 (source: WRI)
- CO2 Emissions: Residential CO2 emissions per capita
- CO2 Emissions: Total CO2 emissions (source: IEA)
- CO2 Emissions: Total CO2 emissions (source: WRI)
- CO2 Emissions: Total CO2 emissions including land use change (source: WRI)
- CO2 Intensity: CO2 emissions per GDP (source: WRI)
- CO2 Intensity: CO2 emissions per GDP, PPP (source: IEA)
- Global Gas Concentrations: Carbon tetrachloride
- Global Gas Concentrations: CFC-11
- Global Gas Concentrations: CFC-113
- Global Gas Concentrations: CFC-12
- Global Gas Concentrations: CO2
- Global Gas Concentrations: Consumption of HCFCs
- Global Gas Concentrations: Consumption of Ozone Depleting Substances
- Global Gas Concentrations: Methane
- Global Gas Concentrations: Methyl chloroform
- Global Gas Concentrations: Net Production of HCFCs
- Global Gas Concentrations: Net Production of Ozone Depleting Substances
- Global Gas Concentrations: Nitrous oxide
- Non-CO2 Greenhouse Gas Emissions: Fluorinated gases
- Non-CO2 Greenhouse Gas Emissions: Methane
- Non-CO2 Greenhouse Gas Emissions: Nitrous oxide

#### Related Links

- Coastal and Marine Ecosystems
- Water Resources and Freshwater Ecosystems
- Climate and Atmosphere
- Population, Health and Human Well-being
- Economics, Business and the Environment
- Energy and Resources
- Biodiversity and Protected Areas
- Agriculture and Food
- Forests, Grasslands and Drylands
- Environmental Governance and Institutions

- SEARCHABLE DATABASE
- MAPS
- COUNTRY PROFILES
- FEATURES
- DATA TABLES

**Quick Search:**

Quick Search Help

**YOUR SEARCH QUERY**

- 1 Topic Area(s)  
Climate and Atmosphere
- 2 Variable  
Air Pollution: Sulfur dioxide emissions
- 3 Regions/Countries
- 4

### Air Pollution: Sulfur dioxide emissions

Select one or more of the countries and/or regions you wish to view from the lists or retrieve all data for this variable.

**Regions**

- World
- Asia (excluding Middle East)
- Central America & Caribbean
- Europe
- Middle East & North Africa
- North America
- Oceania
- South America
- Sub-Saharan Africa
- Developed Countries
- Developing Countries

**Countries**

- Bosnia and Herzegovina
- Botswana
- Brazil
- British Virgin Islands
- Brunei Darussalam
- Bulgaria
- Burkina Faso
- Burundi
- Cambodia
- Cameroon
- Canada
- Cape Verde
- Cayman Islands
- Central African Rep
- Chad

**Related Links**

Select the check box if you want data for all the countries in the region(s) you have selected.

Get all country data for selected regions

Click 'Next'.

Select Region or Country

Select if you want to see each country in the region

# EarthTrends The Environmental Information Portal

**PROJECT UPDATE**

- Coastal and Marine Ecosystems
- Water Resources and Freshwater Ecosystems
- Climate and Atmosphere  
▼
- Population, Health and Human Well-being
- Economics, Business and the Environment
- Energy and Resources
- Biodiversity and Protected Areas
- Agriculture and Food
- Forests, Grasslands and Drylands
- Environmental Governance and Institutions

- SEARCHABLE DATABASE
- MAPS
- COUNTRY PROFILES
- FEATURES
- DATA TABLES

### Quick Search:

[Quick Search Help](#)

### YOUR SEARCH QUERY

- 1** Topic Area(s)  
Climate and Atmosphere
- 2** Variable  
Air Pollution: Sulfur dioxide emissions
- 3** Regions/Countries  
1 Country
- 4** Years

### Select the year(s) you wish to view from the list.

Note: You can select multiple years by pressing the CTRL key on a PC (or the OPTION key on a Mac) while highlighting the years in the list.

1990  
1995  
2000

→ Select year or years

Click 'Get Data' to display your search query results.

### Related Links

### Climate and Atmosphere – Air Pollution: Sulfur dioxide emissions

Units: Thousand metric tons




Reverse years

	2000	1995	1990

#### Region/Classification

Sub-Saharan Africa	6,892.0	5,344.7	6,217.5
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	ISO	2000	1995	1990

#### Country

Angola	AGO	352.1	129.7	128.1
Benin	BEN	28.9	14.0	13.2
Botswana	BWA	46.3	55.7	57.3
Burkina Faso	BFA	27.0	28.3	27.2
Burundi	BDI	7.3	6.2	5.9
Cameroon	CMR	174.4	51.3	46.4
Cape Verde	CPV	0.8	0.7	0.5
Côte d'Ivoire	CIV	118.8	45.9	43.6
Central African Rep	CAF	173.3	38.8	38.3
Chad	TCD	54.6	42.5	41.7
Comoros	COM	0.6	0.5	0.5
Congo	COG	183.3	14.8	14.0
Congo, Dem Rep	COD	412.4	267.7	514.8
Djibouti	DJI	2.9	3.7	3.5
Equatorial Guinea	GNQ	1.0	2.6	2.4
Eritrea	ERI	4.7	9.7	9.3
Ethiopia	ETH	194.4	145.4	126.4
Gabon	GAB	53.9	56.5	44.0
Gambia	GMB	4.3	2.1	1.9
Ghana	GHA	78.1	32.4	29.7
Guinea	GIN	63.1	26.7	25.1

	ISO	2000	1995	1990
<b>Country</b>				
Guinea-Bissau	GNB	8.6	4.2	4.0
Kenya	KEN	71.3	61.8	63.4
Lesotho	LSO	3.8	1.9	1.7
Liberia	LBR	14.9	6.8	7.4
Madagascar	MDG	75.8	38.8	36.5
Malawi	MWI	25.4	16.4	15.5
Mali	MLI	40.2	52.9	50.8
Mauritania	MRT	22.3	23.0	20.5
Mauritius	MUS	9.4	7.9	5.8
Mozambique	MOZ	134.1	86.4	83.7
Namibia	NAM	17.6	97.5	740.6
Niger	NER	20.4	30.0	28.4
Nigeria	NGA	816.4	764.3	681.7
Réunion	REU	10.4	8.3	6.5
Rwanda	RWA	19.6	12.0	15.1
Saint Helena	SHN	0.0	0.0	0.0
Sao Tome & Principe	STP	0.5	0.4	0.4
Senegal	SEN	46.6	37.9	36.4
Seychelles	SYC	1.0	0.8	0.6
Sierra Leone	SLE	28.1	16.1	14.8
Somalia	SOM	4.6	23.2	23.1
South Africa	ZAF	2,151.1	1,853.7	1,738.8
Sudan	SDN	224.1	132.4	134.9
Swaziland	SWZ	6.0	4.7	4.4
Tanzania	TZA	140.6	105.1	102.7
Togo	TGO	25.2	12.6	11.8
Uganda	UGA	54.3	41.1	37.6
Zambia	ZMB	775.4	765.8	1,010.5
Zimbabwe	ZWE	162.1	163.5	166.1

# **Terrestrial and Marine areas protected to total territorial area - MDG -**

**Category:** Biodiversity

**Organization:** United Nations Environment  
Programme (UNEP) and  
World Conservation Monitoring Centre (WCMC)

**Website:** <http://unstats.un.org/unsd/mdg/Data.aspx>  
Millennium Development Goals Indicators

# Millennium Development Goals Indicators

The official United Nations site for the MDG Indicators

HOME [DATA](#) INDICATORS DOCUMENTS CAPACITY BUILDING LINKS

Country Level Data

Gapminder MDG Chart

Data Availability

World and Regional Trends

Regional Groupings

Metadata

Welcome to the official United Nations site for the MDG Indicators

Welcome to the Millennium Development Goals Indicators website. This site presents the official data, definitions, methodologies and sources for more than 60 indicators to measure progress towards the Millennium Development Goals. The data and analyses are the product of the work of the [Inter-agency and Expert Group \(IAEG\) on MDG Indicators](#), coordinated by the United Nations Statistics Division and the official progress reports and documents produced by IAEG. Links to related sites and documents and constantly updated news will keep you up to date on MDG monitoring.

Data Search:



Important note: Some of the MDG data presented in this website have been adjusted by the responsible specialized agencies to ensure international comparability, in compliance with their shared mandate to assess progress towards the MDGs at the regional and global levels.

## Latest Products

RSS

### Addendum to the 2011 MDG Report - **NEW!**



#### Child Mortality

New figures show that the rate of decline in child mortality has accelerated but remain insufficient to reach MDG 4. See [addendum to the MDG Report 2011](#).

# Millennium Development Goals Indicators

The official United Nations site for the MDG Indicators

HOME DATA INDICATORS DOCUMENTS CAPACITY BUILDING LINKS

Search Criteria Series Data

Please use the controls below to select at least one country and one series, and then click [View Data](#).

Tree View Flat View

- [-] All MDGs
  - [+] Goal 1. Eradicate extreme poverty and hunger
  - [+] Goal 2. Achieve universal primary education
  - [+] Goal 3. Promote gender equality and empower women
  - [+] Goal 4. Reduce child mortality
  - [+] Goal 5. Improve maternal health
  - [+] Goal 6. Combat HIV/AIDS, malaria and other diseases
  - [+] **Goal 7. Ensure environmental sustainability**
    - [+] Target 7.A: Integrate the principles of sustainable development into count
    - [+] **Target 7.B: Reduce biodiversity loss, achieving, by 2010, a significant reduc**
    - [+] Target 7.C: Halve, by 2015, the proportion of people without sustainable a
    - [+] Target 7.D: By 2020, to have achieved a significant improvement in the live
  - [+] Goal 8. Develop a global partnership for development

Countries Regions

All  
Afghanistan  
Albania  
Algeria  
American Samoa  
Andorra  
Angola  
Anguilla  
Antigua and Barbu  
Argentina  
Armenia  
Aruba  
Australia  
Austria  
Azerbaijan  
Bahamas  
Bahrain

Display Options

Display data type  
(country data, estimate,  
etc)

Group series with  
the same indicator

Group results by:

Indicator

Country

[View Data](#)

# Millennium Development Goals Indicators

The official United Nations site for the MDG Indicators

HOME DATA INDICATORS DOCUMENTS CAPACITY BUILDING LINKS

Search Criteria Series Data

Please use the controls below to select at least one country and one series, and then click [View Data](#).

Select country or region

Tree View Flat View

- All MDGs
  - Goal 1. Eradicate extreme poverty and hunger
  - Goal 2. Achieve universal primary education
  - Goal 3. Promote gender equality and empower women
  - Goal 4. Reduce child mortality
  - Goal 5. Improve maternal health
  - Goal 6. Combat HIV/AIDS, malaria and other diseases
  - Goal 7. Ensure environmental sustainability
    - Target 7.A: Integrate the principles of sustainable development into cc
    - Target 7.B: Reduce biodiversity loss, achieving, by 2010, a significant re
      - Terrestrial and marine areas protected to total territorial area, perce
      - Terrestrial and marine areas protected, sq. km.
      - Terrestrial areas protected to total surface area, percentage
      - Terrestrial areas protected, sq. km.
      - Marine areas protected to territorial waters, percentage

Countries Regions

- British Virgin Islanc
- Brunei Darussalam
- Bulgaria
- Burkina Faso
- Burundi
- Cambodia
- Cameroon
- Canada
- Cape Verde
- Cayman Islands
- Central African Rep
- Chad
- Channel Islands
- Chile
- China
- China, Hong Kong
- China, Macao Spec
- Colombia

Display Options

- Display data type (country data, estimate, etc)
- Group series with the same indicator
- Group results by:
  - Indicator
  - Country

[View Data](#)



# When country is selected...

United Nations Statistics Division | Department of Economic and Social Affairs | United Nations

IAEG: Countries | Techgroup | Eng

## Millennium Development Goals Indicators

The official United Nations site for the MDG Indicators

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[Search]

Search Criteria Series Data

Download this data:   

Country Data  Country Adjusted  Estimated  Modeled **→ Data type**  
 Global monitoring data  Not relevant  Not Available

### Cameroon

Series	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
7.6 Proportion of terrestrial and marine areas protected																					
<b>MDG</b> Terrestrial and marine areas protected to total territorial area, percentage <small>Last updated: 07 Jul 2011</small>	6.90	7.03	7.03	7.03	7.48	7.49	7.64	7.64	7.64	7.64	8.53	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00

Important note: Some of the MDG data presented in this website have been adjusted by the responsible specialized agencies to ensure international comparability, in compliance with their shared mandate to assess progress towards the MDGs at the regional and global levels.

Download the entire MDG dataset: 



# **Population living within 100 km of the coast**

**Category:** Coastal and Marine Resources

**Organization:** CIESIN/SEDAC

Socioeconomic Data and Applications Center

**Website:**

<http://sedac.ciesin.columbia.edu/legacy?url=http://sedac.ciesin.columbia.edu/place/>

Place II – Population, landscape, and climate estimates

## Project Highlights

Version two of the Population, Landscape, and Climate Estimates data set, PLACE II, has been released as part of SEDAC's National Aggregates of Geospatial Data Collection. The aim is to provide country-level measures of spatial characteristics of 228 nations to researchers for whom national aggregates are more useful than GIS data. PLACE II estimates the number of people (head counts and percentages) and the land area (square kilometers and percentages) represented within each class of a number of demographic, physical, biological, and climatic variables for each country around the world, for the years 1990 and 2000. These variables include biomes, climate zones, coastal proximity zones, elevation zones, and population density zones. The full data array of nearly 300 variables, tabulated by country, is available for download in Excel spreadsheet format, together with supporting documentation. The PLACE II map collection displays examples of input variables and country dynamics via more than 40 maps at global, continental, and detailed scales.

## Map Collection



The PLACE II [map collection](#) displays examples of input variables and country dynamics via more than 40 maps at global, continental and detailed scales.

## Available Datasets

As in PLACE I, PLACE II data represent numerical estimates of population and land area dynamics for each of the world's nations, presented in spreadsheet format. The PLACE II data consist of geospatially calculated values of population and land area in specific zones of population density, coastal proximity, climate, elevation and biomes. For example, elevation zone classes are used to calculate the land area (sq. km.) of a country where the height above mean sea level is either <5 meters, 5-10 meters, 10-25 meters, 25-50 meters, 50-100 meters, 100-200 meters, 200-400 meters, 400-800 meters, 800-1500 meters, 1500-3000 meters, 3000-5000 meters, and >5000 meters. The same elevation classes are also used to tabulate the population values and percentages within the same country.

PLACE II adds a demographic time-series component by providing estimates of a decadal span, for the years 1990 and 2000. Graphical and spatial data examples are included via a [map collection](#) to allow a better understanding of the data themselves, the spatial patterns involved, as well as, initially, the dynamics and processes observed within each country and region. Codebooks describing each variable used are provided as are a [methodology](#) paper, provided in PDF and ASCII rich-text format.

### Place Data Sets

The PLACE I and PLACE II country data are available for download as a Zip file containing the Excel datasheet and metadata record. Population and land area values and their associated codebooks are found as individual sheets or tabs within this file.

Descriptions of the methods used to develop these data sets can be found on the [methods](#) section.

#### Download Data Sets:

[Place II Data Set](#)[Place I Data Set](#)

Download .zip file



In Excel file, look for codes and country in Worksheets “Pop1990” and “Pop2000”

Total population living within 100 km of the coast

Proportion of population living within 100 km of the coast

IS03V10	CNTRYAR	CONT	PPOPCZ00	POPCP1	POPCP2	PPOPCP1	PPOPCP2	POPBI1	POPBI2
BOL	Bolivia	South America	0	0	45891	0	1	1572058	2271410
BRA	Brazil	South America	0	69201940	89358420	47	60	94100400	1415730
BRB	Barbados	North America	100	257169	257169	100	100	0	0
BRN	Brunei Darussalam	Asia	0	248950	248950	100	100	241393	0
BTN	Bhutan	Asia	0	0	0	0	0	401221	0
BWA	Botswana	Africa	0	0	0	0	0	0	0
CAF	Central African Republic	Africa	0	0	0	0	0	690496	0
CAN	Canada	North America	0	5291024	6632414	19	24	0	0
CHE	Switzerland	Europe	0	0	257369	0	4	0	0
CHL	Chile	South America	0	10231850	13066670	78	100	0	0
CHN	China	Asia	0	248624400	397060400	22	35	312494500	0
CIV	Ivory Coast	Africa	0	4885138	7684829	39	61	9217847	0
CMR	Cameroon	Africa	0	1792730	5478111	15	47	6060111	0
COD	Congo, Democratic Republic	Africa	0	563547	1271291	2	3	14837110	0
COG	Congo	Africa	0	515011	791093	22	34	432506	0
COK	Cook Islands	Oceania	100	18319	18319	100	100	16776	0
COL	Colombia	South America	0	9041734	15983260	26	46	24230730	3933319
COM	Comoros	Africa	100	526705	526705	100	100	526705	0
CPV	Cape Verde	Africa	100	341224	341224	100	100	0	333371
CRI	Costa Rica	North America	0	3047621	3053495	100	100	2865949	154911
CUB	Cuba	North America	0	10628580	10628580	100	100	1862577	7022831
CYM	Cayman Islands	North America	100	26333	26333	100	100	0	9563
CYP	Cyprus	Asia	0	680514	680514	100	100	0	0
CZE	Czech Republic	Europe	0	0	0	0	0	0	0
DEU	Germany	Europe	0	9605737	26809860	12	34	0	0
DJI	Djibouti	Africa	0	501351	503050	100	100	0	0
DMA	Commonwealth of Dominica	North America	100	71370	71370	100	100	59367	0
DNK	Denmark	Europe	1	5141836	5141836	100	100	0	0
DOM	Dominican Republic	North America	0	7075859	7075859	100	100	5238152	879639
DZA	Algeria	Africa	0	15951400	20496760	64	82	0	0
ECU	Ecuador	South America	0	5164882	9458842	50	92	7118182	1582992
EGY	Egypt	Africa	0	22808790	46441860	41	83	0	0
ERI	Eritrea	Africa	0	2116612	2869720	68	92	895346	0
ESP	Spain	Europe	3	26322320	31385370	67	80	0	0
EST	Estonia	Europe	0	1311326	1568922	84	100	0	0

# Total Electricity

**Category:** Energy

**Organization:** UNSD - UNdata

**Website:** <http://data.un.org/Explorer.aspx?d=EDATA>



Explorer

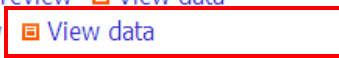
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**Total Electricity**

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Source: Energy Statistics Database | [United Nations Statistics Division](#)

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**Select filters:**

**Country or Area (235)**

- Burundi
- Cambodia
- Cameroon
- Canada
- Cape Verde
- Cayman Islands
- Central African Republic

**Year (19)**

- 2008
- 2007
- 2006
- 2005
- 2004
- 2003
- 2002

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**Apply Filters**

Country or Area	Commodity - Transaction	Year	Unit	Quantity
Afghanistan	Electricity - gross production, public & self-producer	2008	Kilowatt-hours, million	917
Afghanistan	Electricity - gross production, public & self-producer	2007	Kilowatt-hours, million	1,007 <sup>1</sup>
Afghanistan	Electricity - gross production, public & self-producer	2006	Kilowatt-hours, million	976 <sup>1</sup>
Afghanistan	Electricity - gross production, public & self-producer	2005	Kilowatt-hours, million	962 <sup>1</sup>
Afghanistan	Electricity - gross production, public & self-producer	2004	Kilowatt-hours, million	929
Afghanistan	Electricity - gross production, public & self-producer	2003	Kilowatt-hours, million	976
Afghanistan	Electricity - gross production, public & self-producer	2002	Kilowatt-hours, million	722
Afghanistan	Electricity - gross production, public & self-producer	2001	Kilowatt-hours, million	691
Afghanistan	Electricity - gross production, public & self-producer	2000	Kilowatt-hours, million	688
Afghanistan	Electricity - gross production, public & self-producer	1999	Kilowatt-hours, million	685 <sup>1</sup>
Afghanistan	Electricity - gross production, public & self-producer	1998	Kilowatt-hours, million	665 <sup>1</sup>
Afghanistan	Electricity - gross production, public & self-producer	1997	Kilowatt-hours, million	670 <sup>1</sup>
Afghanistan	Electricity - gross production, public & self-producer	1996	Kilowatt-hours, million	675 <sup>1</sup>
Afghanistan	Electricity - gross production, public & self-producer	1995	Kilowatt-hours, million	675 <sup>1</sup>
Afghanistan	Electricity - gross production, public & self-producer	1994	Kilowatt-hours, million	687 <sup>1</sup>
Afghanistan	Electricity - gross production, public & self-producer	1993	Kilowatt-hours, million	695 <sup>1</sup>
Afghanistan	Electricity - gross production, public & self-producer	1992	Kilowatt-hours, million	703 <sup>1</sup>
Afghanistan	Electricity - gross production, public & self-producer	1991	Kilowatt-hours, million	1,015 <sup>1</sup>
Afghanistan	Electricity - gross production, public & self-producer	1990	Kilowatt-hours, million	1,128 <sup>1</sup>

**Footnotes**

1 - Estimate

## Statistics

### Total Electricity Search glossaries

Source: Energy Statistics Database | [United Nations Statistics Division](#)

#### Current Filters:

- Cameroon
- 2008
- Remove All

#### Select filters:

##### Country or Area (235)

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- Cambodia
- Cameroon
- Canada
- Cape Verde
- Cayman Islands
- Central African Republic

##### Year (19)

- 2008
- 2007
- 2006
- 2005
- 2004
- 2003
- 2002

[More >>](#)

Apply Filters

15 records | Page 1 of 1 |

Country or Area	Commodity - Transaction	Year	Unit	Quantity
Cameroon	Electricity - gross production, public & self-producer	2008	Kilowatt-hours, million	5,551
Cameroon	Electricity - net production	2008	Kilowatt-hours, million	5,069
Cameroon	Electricity - conversion, transport & distribution losses	2008	Kilowatt-hours, million	538
Cameroon	Electricity - station use & station loss	2008	Kilowatt-hours, million	482
Cameroon	Electricity - consumption by industry & construction	2008	Kilowatt-hours, million	2,663
Cameroon	Electricity - consumption by iron and steel industry	2008	Kilowatt-hours, million	40
Cameroon	Electricity - consumption by other industries and construction	2008	Kilowatt-hours, million	2,623
Cameroon	Electricity - consumption by households and other consumers	2008	Kilowatt-hours, million	1,868
Cameroon	Electricity - consumption by households	2008	Kilowatt-hours, million	1,075
Cameroon	Electricity - consumption in agriculture	2008	Kilowatt-hours, million	53
Cameroon	Electricity - consumption by other consumers	2008	Kilowatt-hours, million	740
Cameroon	Electricity - total production, public	2008	Kilowatt-hours, million	4,502
Cameroon	Electricity - gross inland availability	2008	Kilowatt-hours, million	5,069
Cameroon	Electricity - net inland availability	2008	Kilowatt-hours, million	4,531
Cameroon	Electricity - total production, self-producer	2008	Kilowatt-hours, million	1,049

#### Footnotes

1 - Estimate

# **Environmentally related diseases**

**Category:** Environmental health

**Organization:** WHO - World Health Organization

**Website:** <http://www.who.int/whosis/en/index.html>



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## WHO Statistical Information System (WHOSIS)

### WHOSIS

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## WHO Statistical Information System (WHOSIS)

### IMPORTANT NOTE

The WHO Statistical Information System (WHOSIS) has been incorporated into the Global Health Observatory (GHO) to provide you with more data, more tools, more analysis and more reports.

Please visit the GHO at: <http://www.who.int/GHO/>



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In Excel file, worksheet 3:

### 3. Selected infectious diseases

Member State	Number of reported cases																	
	Cholera <sup>a</sup>	Diphtheria <sup>b</sup>	H5N1 influenza <sup>c</sup>	Japanese encephalitis <sup>b</sup>	Leprosy <sup>d</sup>	Malaria <sup>e</sup>	Measles <sup>f</sup>	Meningitis <sup>f</sup>	Mumps <sup>g</sup>	Pertussis <sup>h</sup>	Plague <sup>g</sup>	Poliomyelitis <sup>h</sup>	Congenital rubella syndrome <sup>h</sup>	Rubella <sup>h</sup>	Neonatal tetanus <sup>b</sup>	Total tetanus <sup>h</sup>	Tuberculosis <sup>h</sup>	Yellow fever <sup>h</sup>
	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010
Afghanistan	662	0	...	...	52	386 929	2 861	...	...	0	...	28	...	501	...	19	25 417	...
Albania	0	0	...	...	...	...	0	...	22	10	...	...	0	0	0	0	435	...
Algeria	0	0	...	0	0	...	107	...	...	1	...	...	23	0	3	21 701	0	
Andorra	0	0	...	...	...	...	0	...	0	0	...	...	0	0	0	0	8	0
Angola	2 019	...	...	...	937	2 221 076	2 807	...	0	1 127	...	32	...	10	66	675	41 221	...
Antigua and Barbuda	0	0	...	...	...	...	0	...	0	0	...	...	0	0	0	0	0	0
Argentina	0	0	...	...	339	...	3	...	5 913	1 743	...	...	0	4	0	15	7 701	0
Armenia	1	...	...	...	0	...	0	...	71	11	...	...	0	4	...	...	1 560	...
Australia	0	0	...	0	5	...	104	...	164	29 545	...	...	0	25	0	3	1 217	0
Austria	0	0	...	0	...	...	49	...	...	183	...	...	...	252	...	0	441	0
Azerbaijan	...	...	...	...	...	80	...	...	232	5	...	...	...	...	...	...	7 301	...
Bahamas	0	0	...	...	0	...	0	...	3	0	...	...	0	0	0	0	45	0
Bahrain	0	0	...	0	1	...	3	...	16	1	...	...	0	9	0	0	326	0
Bangladesh	23	...	...	15	5 239	79 853	718	...	...	16	...	...	13 076	121	791	160 875	...	
Barbados	0	0	...	...	0	...	0	...	0	0	...	...	0	0	0	2	0	0
Belarus	3	...	...	0	...	...	0	...	172	93	...	...	0	3	0	1	5 250	0
Belgium	0	0	...	0	...	...	33	...	59	...	...	...	0	...	0	2	806	0
Belize	0	0	...	...	0	256	0	...	0	0	...	...	0	0	0	0	88	0
Benin	74	...	...	...	249	1 256 708	1 461	309	...	...	...	...	15	4	4	3 878	0	
Bhutan	0	0	...	0	12	1 421	6	...	...	0	...	...	0	15	0	23	1 125	0
Bolivia (Plurinational State of)	0	0	...	...	141	9 743	0	...	3 696	0	...	...	0	0	1	9	8 847	0
Bosnia and Herzegovina	0	0	...	...	...	...	22	...	474	25	...	...	523	0	0	1 725	...	
Botswana	15	0	...	...	...	14 878	184	...	...	0	...	...	1	0	0	8 362	...	
Brazil	4	...	...	...	37 619	308 498	0	...	0	1 037	...	...	19	0	3	278	75 049	46
Brunei Darussalam	0	0	...	0	2	...	2	...	1	0	...	...	0	1	0	0	213	0
Bulgaria	0	0	...	0	...	...	2 249	...	1 111	251	...	...	0	44	...	...	2 683	0
Burkina Faso	0	0	...	...	412	4 399 837	54 118	6 510	...	68	...	...	...	6	7	4 716	1	
Burundi	355	0	...	0	280	1 757 387	305	...	0	0	...	...	0	305	11	11	7 277	0
Cambodia	39	3	1	193	351	83 777	4 779	...	...	513	...	...	528	27	27	39 207	...	
Cameroon	804	...	...	...	45	1 883 199	251	771	...	...	...	...	33	39	72	24 661	8	
Canada	2k	2	...	...	...	...	15	...	214	1 667	...	...	1	7	0	2	1 505	0
Cape Verde	0	0	...	0	...	65	0	...	3	6	...	...	46	11 329	0	0	332	0

Cholera, malaria and yellow fever are considered environmentally related diseases



# **Total forest area and Annual change rate**

**Category:** Forests and Woodlands

**Organization:** FAO - Food and Agriculture  
Organization of the United Nations, Forestry  
Department

**Website:** <http://www.fao.org/forestry/fra/fra2010/en/>  
Global Forest Resources Assessment



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## Global Forest Resources Assessment 2010

### NEWS



**FRA 2010 Poster of contributors. Thank you!**

*Rome, 4 October 2010*

**FAO releases Global Forest Resources Assessment 2010. The final report of FRA 2010 was published at the start of the latest biennial meeting of the FAO' Committee on Forestry and World Forest Week, in Rome. [\[more..\]](#)**

The Global Forest Resources Assessment 2010 (FRA 2010) is the most comprehensive assessment of forests and forestry to date - not only in terms of the number of countries and people involved - but also in terms of scope. It examines the current status and recent trends for about 90 variables covering the extent, condition, uses and values of forests and other wooded land, with the aim of assessing all benefits from forest resources. Information has been collated from 233 countries and territories for four points in time: 1990, 2000, 2005 and 2010. The results are presented according to the seven thematic elements of sustainable forest management. FAO worked closely with countries and specialists in the design and implementation of FRA 2010 - through regular contact, expert consultations, training for national correspondents and ten regional and subregional workshops. More than 900 contributors were involved, including 178 officially nominated national correspondents and their teams. The outcome is better data, a transparent reporting process and enhanced national capacity in developing countries for data analysis and reporting. The final report of FRA 2010 was published at the start of the latest biennial meeting of the FAO' Committee on Forestry and World Forest Week, in Rome. [\[more..\]](#)

Country Reports	Main Report	Key Findings	Global Tables
	Arabic Chinese English French	Arabic Chinese English French Russian Spanish	<div style="border: 2px solid red; padding: 2px;">English</div> French Spanish



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## In Excel file, worksheet 2:

### 2 Extent of forest and other wooded land 2010

Country/area	Land area						Inland water (1 000 ha)	Country area (1 000 ha)
	Forest		Other wooded land		Other land (1 000 ha)			
	1 000 ha	% of land area	1 000 ha	% of land area	Total	of which with tree cover		
Benin	4561	41	2889	26	3612	289	200	11262
Burkina Faso	5649	21	5009	18	16702	5902	40	27400
Burundi	172	7	722	28	1674	-	215	2783
Cameroon	19916	42	12715	27	14640	-	273	47544
Cape Verde	85	21	0	0	318	-	0	403
Central African Republic	22605	36	10122	16	29573	-	0	62300
Chad	11525	9	8847	7	105548	-	2480	128400
Congo	22411	66	10513	31	1226	-	50	34200
Côte d'Ivoire	10403	33	2590	8	18807	436	446	32246
Democratic Republic of the Congo	154135	68	11513	5	61057	-	7781	234486
Equatorial Guinea	1626	58	8	n.s.	1171	-	0	2805
Gabon	22000	85	0	0	3767	-	1000	26767
Gambia	480	48	103	10	417	-	130	1130
Ghana	4940	22	0	0	17814	-	1100	23854
Guinea	6544	27	5850	24	12178	-	14	24586
Guinea-Bissau	2022	72	230	8	560	-	800	3612
Liberia	4329	45	0	0	5303	-	1505	11137
Mali	12490	10	8227	7	101302	-	2000	124019
Niger	1204	1	3440	3	122026	8000	30	126700
Nigeria	9041	10	4088	4	77948	245	1300	92377
Rwanda	435	18	61	2	1971	-	167	2634
Saint Helena, Ascension and Tristan da Cunha	2	6	0	0	29	-	0	31
Sao Tome and Principe	27	28	29	30	40	10	0	96
Senegal	8473	44	4911	26	5869	1174	419	19672
Sierra Leone	2726	38	189	3	4247	9	12	7174
Togo	287	5	1246	23	3906	-	240	5679
<b>Western and Central Africa</b>	<b>328088</b>	<b>32</b>	<b>93302</b>	<b>9</b>	<b>611705</b>	<b>16065</b>	<b>20202</b>	<b>1053297</b>



# **Agricultural area irrigated and Total Area Equipped for irrigation**

**Category:** Land and Agriculture

**Organization:** FAO - Food and Agriculture  
Organization of the United Nations

**Website:** <http://faostat.fao.org/site/405/default.aspx>

FAOSTAT

<a href="#">Home</a>	<a href="#">Production</a>	<a href="#">Trade</a>	<a href="#">Food Supply</a>	<a href="#">Food Balance Sheets</a>	<a href="#">Food Security</a>	<a href="#">Prices</a>	<a href="#">Resources</a>	<a href="#">Forestry</a>	<a href="#">Fisheries</a>	<a href="#">Metadata</a>	<a href="#">Support/FAQ</a>	<a href="#">Release Calendar</a>
<a href="#">about</a>	<a href="#">ResourceSTAT</a>	<a href="#">PopSTAT</a>										
<a href="#">About</a>	<a href="#">Fertilizers</a>	<a href="#">Fertilizers Archive</a>	<a href="#">Fertilizers Trade Values</a>	<a href="#">Pesticides Trade</a>	<a href="#">Pesticides Consumption</a>	<a href="#">Land</a>	<a href="#">Water</a>	<a href="#">Labour</a>	<a href="#">Machinery</a>	<a href="#">Machinery archive</a>		

#### ■ About ResourceSTAT

Farmers produce food and fiber using a wide variety of farm practices and management systems that differ by commodity, region, and farm and operator characteristics. The mix of inputs, practices, and technologies used by farmers, when combined with land, labor, and water resources, affects production costs; farm income; and soil, water and air quality.

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**country**

- Burundi
- Cambodia
- Cameroon
- Canada
- Cape Verde
- Cayman Islands
- Central African Republic
- Chad

**year**

- 2009
- 2008
- 2007
- 2006
- 2005
- 2004
- 2003
- 2002

**item**

- Country area
- Land area
- Agricultural area
- Agricultural area organic, total
- Agricultural area certified organic
- Agricultural area in conversion to organic
- Agricultural area irrigated
- Arable land and Permanent crops

**element**

- Area

**item classification**

FAO Codes

units |  flags |  codes |  show empty rows |  download |  settings |  print |  Data Quality

Download format: Excel | CSV | XML | Flags: yes | Flags: no

Thousands separator: Comma | Period | Space | None

Decimal separator: Comma | Period

Select country or region

Select year or years

Select 'Area'

Select items: 'Agricultural area irrigated' and 'Total area equipped for irrigation' (below)

Latest News  
Updated: 21 July 2011

**country**

- Burundi
- Cambodia
- Cameroon**
- Canada
- Cape Verde
- Cayman Islands
- Central African Republic
- Chad

**year**

- 2009
- 2008
- 2007
- 2006
- 2005
- 2004
- 2003
- 2002

**item**

- Country area
- Land area
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**element**

- Area**

**item classification**

FAO Codes

units |  flags |  codes |  show empty rows |  download |  settings |  print |  Data Quality

Download format: Excel | **CSV** | XML | Flags: yes | **Flags: no**

Thousands separator: Comma | Period | Space | **None**

Decimal separator: Comma | **Period**

show data

metadata ?

**Latest News**  
Updated: 21 July 2011

selected parameters [show/hide]

No data available for 'Agricultural area irrigated'

Area (1000 Ha)

		year										
country	item	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
Cameroon	Agricultural area irrigated											
Cameroon	Total area equipped for irrigation	26.00 I	26.00 F	26.00 F	26.00 F	26.00 Fm	29.00 Fm	29.00 Fm	29.00 Fm	29.00 Fm	29.00 Fm	

[ ] = Official data | F = FAO estimate | Fm = Manual Estimation | I = Country data reported by International Organizations where the country is a member (Semi-official) - WTO, EU, UNSD, etc.



# **Top 10 Natural disasters**

**Category:** Natural Disasters

**Organization:** CRED - Center for Research on the Epidemiology of Disasters

**Website:** <http://www.emdat.be/>


 search

## What's new



**CredCrunch - Issue N°24**  
 Newsletter - June 2011

1 2 3

## Welcome

Since 1988 the WHO Collaborating Centre for Research on the Epidemiology of Disasters (CRED) has been maintaining an Emergency Events Database EM-DAT. EM-DAT was created with the initial support of the WHO and the Belgian Government.

The main objective of the database is to serve the purposes of humanitarian action at national and international levels. It is an initiative aimed to rationalise decision making for disaster preparedness, as well as providing an objective base for vulnerability assessment and priority setting.

EM-DAT contains essential core data on the occurrence and effects of over 18,000 mass disasters in the world from 1900 to present. The database is compiled from various sources, including UN agencies, non-governmental organisations, insurance companies, research institutes and press agencies.

## Supported by



## Latest Disaster Events

Week 19: Jul/18/11-Jul/24/11

- 2011-0212 Floods, South, China
- 2011-0213 Floods and mudslides, Pernambuco state, Brazil
- 2011-0261 Road accident, Henan province, China (P Rep)

## Access Database

<a href="#">ADVANCED SEARCH</a>	<a href="#">COUNTRY PROFILE</a>	<a href="#">DISASTER PROFILES</a>
<a href="#">Create your dataset</a>	<a href="#">Disaster by Country</a>	<a href="#">Summary of Events</a>
<a href="#">DISASTER LIST</a>	<a href="#">REFERENCE MAPS</a>	<a href="#">DISASTER TRENDS</a>
<a href="#">Generate list events</a>	<a href="#">Pre-made maps</a>	<a href="#">Pre-made graphs</a>

## Agreements

From January 2010, CRED has established 107 MoU with specific institutions who wish to have an access to the raw EM-DAT data on a yearly basis:

since Department      Kiel Institute for the World E



# EM-DAT

## The International Disaster Database

Centre for Research on the Epidemiology of Disasters - CRED

search

- Home
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- Database**
- Explanatory Notes
- Publications
- Activities
- DISDAT
- FAQs [login](#)
- Advanced Search
- Country Profile**
- Disaster Profiles
- Disaster List
- Trends
- Maps

Home » Database » [Country Profile](#) » Country Profile

## Country Profile

Published by SuperAdminEMDAT

### Step 1

The profile includes a summary of events from 1900 to 2011, as well as the top 10 disasters.

Separate profiles for natural and technological disasters exist

Please be sure to familiarize yourself with the EM-DAT methodology to ensure that your analyses of the data will not lead to inaccurate conclusions. [See [guidelines](#)]

### Natural Disasters

Cameroon

Select country

Display Country Profile

### Technological Disasters

Afghanistan

Display Country Profile



Home » Result for Country Profile

## Result for Country Profile

Published by SuperAdminEMDAT

### Step 2

#### Cameroon Country Profile - Natural Disasters -

The information on natural disasters presented here is taken from EM-DAT: The OFDA/CRED International Disaster Database. In order for a disaster to be entered into the database at least one of the following criteria has to be fulfilled:

- 10 or more people reported killed
- 100 people reported affected
- a call for international assistance
- declaration of a state of emergency

Choose the period:

all years

#### Top 10 Natural Disasters in Cameroon for the period 1900 to 2011 sorted by numbers of killed:

Disaster	Date	No Killed
Volcano	24-Aug-1986	1,746
Epidemic	26-Feb-1992	731
Epidemic	Feb-1993	513
Epidemic	Jun-1996	378
Epidemic	1991	308
Epidemic	May-2010	222
Epidemic	15-Jan-1998	126
Epidemic	25-Sep-1990	118
Epidemic	Jun-1998	113
Epidemic	15-Sep-2009	109

[Download the table in Excel](#)

Data for Number of people affected and economic loss also available

# **Total population served by municipal waste collection**

**Category:** Waste

**Organization:** UNSD - United Nations Statistics  
Division, Environment Statistics Section

**Website:**

<http://unstats.un.org/unsd/environment/municipalwaste.htm>

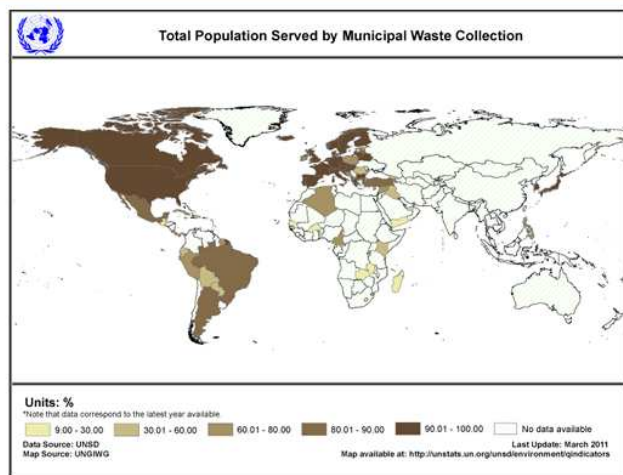


## ENVIRONMENTAL INDICATORS

### Waste

last update: March 2011

#### Municipal waste collection



	latest year available	Municipal waste collected 1000 tonnes	latest year available	Total population served by municipal waste collection %	Municipal waste collected per capita served kg
Albania	2009	1 313	2007	85.0	...
Algeria	2003	8 500	2003	80.0	333
Andorra	2007	32	2007	100.0	387
Angola	2006	5 840 <sup>d</sup>	...	...	...

Anguilla	2008	15	2008	100.0	988
Antigua and Barbuda	2009	136 <sup>d</sup>	2009	95.0	1 639 <sup>d</sup>
Argentina	...	...	2001	88.3	...
Armenia	2009	411	2009	72.1	185
Australia	2003	8 903 <sup>d</sup>	...	...	...
Austria	2009	4 941 <sup>d</sup>	2009	100.0	591 <sup>d</sup>
Azerbaijan	2009	1 603	...	...	...
Bahamas	2006	227	...	...	...
Belarus	2009	3 347	2009	100.0	347
Belgium	2009	5 277 <sup>d</sup>	2009	100.0	491 <sup>d</sup>
Belize	2008	163	2008	51.4	1 052
Benin	2002	986	...	...	...
Bolivia	2009	955 <sup>d</sup>	2008	49.0	...
Bosnia and Herzegovina	2009	1 422 <sup>d</sup>	2009	67.0	378 <sup>d</sup>
Brazil	2007	51 432	2008	86.6	...
British Virgin Islands	2005	37	2001	97.2	...
Brunei Darussalam	2002	196	...	...	...
Bulgaria	2009	3 561 <sup>d</sup>	2009	96.7	468 <sup>d</sup>
Burkina Faso	2009	666 <sup>d</sup>	2007	9.1	...
<b>Cameroon</b>	2009	7 249	2009	61.6	603
Canada	2004	13 375 <sup>d</sup>	1996	99.0	...
Chile	2009	6 151	...	...	...
China	2009	157 340	...	...	...
China, Hong Kong SAR	2009	6 450	2009	100.0	919
China, Macao SAR	2009	325 <sup>d</sup>	2009	100.0	605 <sup>d</sup>
Colombia	2008	7 437	...	...	...
Costa Rica	2002	1 280	2002	73.0	428
Croatia	2008	1 788	2008	93.0	435
Cuba	2009	4 264	2009	75.4	505
Cyprus	2009	620 <sup>d,2</sup>	2008	100.0	778 <sup>d,2</sup>
Czech Republic	2009	3 310 <sup>d</sup>	2009	100.0	316 <sup>d</sup>
Denmark	2009	4 530 <sup>d,2</sup>	2008	100.0	833 <sup>d,2</sup>
Dominica	2005	21	2005	94.0	330
Dominican Republic	2009	756 <sup>d,2</sup>	2002	59.5	...
Ecuador	...	...	1999	49.0	...
Egypt	2008	29 306	...	...	...
El Salvador	...	...	2002	53.0	...
Estonia	2009	464 <sup>d</sup>	2009	79.0	346 <sup>d</sup>
Finland	2009	2 562 <sup>d</sup>	2009	100.0	481 <sup>d</sup>
France	2009	34 504 <sup>d</sup>	2009	100.0	536 <sup>d</sup>
French Guiana	2007	79	2007	100.0	370
Georgia	2009	880	2007	60.0	...
Germany	2009	48 101 <sup>d</sup>	2009	100.0	587 <sup>d</sup>

# **Total internal renewable water resources**

**Category:** Freshwater

**Organization:** FAO - Food and Agriculture  
Organization of the United Nations - AQUASTAT

**Website:**

<http://www.fao.org/nr/water/aquastat/dbase/index.stm>

AQUASTAT main country database



## AQUASTAT main country database

The AQUASTAT database provides information on water and agriculture by countries in the following main categories:

- **AQUASTAT Home**
  - **Databases**
  - **Countries, regions, river basins**
  - **Climate info tool**
  - **Water resources**
  - **Water use**
  - **Irrigation worldwide**
- Land use and population
  - Climate and water resources
  - Water use, by sector and by source
  - Irrigation and drainage development
  - Environment and health

The AQUASTAT database can be queried on-line and the query results can be downloaded in CSV format. The current database regroups data per 5-year period and shows for each variable the value for the most recent year during that period, if available. For example, if for the period 1998-2002 data are available for the year 1999 and for the year 2001, then the value for the year 2001 is shown. It should be noted however that for most variables no time series can be made available yet, due to lack of sufficient data.

### ▶ [AQUASTAT online database](#)

In the online database a search can be done both by country and by region. The **Regions File** shows what countries belong to what region.

If you have any suggestions regarding the data or the user interface, please send your feedback to: [AQUASTAT@fao.org](mailto:AQUASTAT@fao.org).

Time series on AQUASTAT variable [4313] on irrigation can be found under **FAOSTAT land resources** by choosing the item "Total area equipped for irrigation". For other time-series related to food and agriculture see **FAOSTAT home page**.

### Data Quality

AQUASTAT is committed to maximizing the quality and international comparability of the data in its main country database. In order to be able to correctly interpret the information provided by countries, AQUASTAT is using questionnaires and holding workshops to clarify some of the more complex data concepts. Materials related to one of the workshops can be found [here](#).

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- **AQUASTAT Home**
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- **Water resources**
- **Water use**
- **Irrigation worldwide**
- **Spatial data, maps, tables**
- **Publications**
- **Glossary**







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## Review of water resources statistics by country

AQUASTAT collects statistics on water resources and data on water resources obtained from national sources are systematically reviewed to ensure consistency in definitions and between countries sharing the same river basin. A methodology has been developed and rules have been established to compute the different elements of national water balances. The methodology is described in the article **Key Water Resources Statistics in AQUASTAT**. The calculation rules are provided in the country water balance sheets, which can be accessed through the dropdown menu below.

With the assistance of Mr. Jean Margat, expert in global water resources assessment, a comparative analysis of available country water resources data is carried out at regular intervals. On that basis, AQUASTAT compiles and updates its best estimates of the main elements of the water balance for each country.

The detailed results of the analysis are presented by country and updated whenever new information becomes available:

See the **glossary** for the definitions of the terminology used in the country water balance sheet.

These **external links** might also be useful.

Select country

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[Printer friendly version](#)

Computation of long-term average annual renewable water resources by country (in km<sup>3</sup>/year)

## Cameroon

### INTERNAL RENEWABLE WATER RESOURCES (IRWR)

Precipitation (mm/year)	[1]	<input type="text" value="1 604"/>	
Area of the country (1000 ha)	[2]	<input type="text" value="47 544"/>	
Precipitation (km <sup>3</sup> /year)	[3]	<input type="text" value="762.6"/>	=([1]/1000000)x([2]x10)
Surface water produced internally	[4]	<input type="text" value="268"/>	
Groundwater produced internally	[5]	<input type="text" value="100"/>	
Overlap between surface water and groundwater	[6]	<input type="text" value="95"/>	(a)
<b>Total internal renewable water resources</b>	[7]	<input type="text" value="273"/>	=([4]+[5]-[6])

### EXTERNAL RENEWABLE WATER RESOURCES (ERWR)

Natural

Actual

#### Surface water

Surface water entering the country	[8]	<input type="text" value="4"/>	(b)	
Inflow not submitted to treaties				[9] <input type="text" value="4"/>
Inflow submitted to treaties				<input type="text"/>
Inflow secured through treaties				[10] <input type="text" value="0"/>
Accounted inflow				[11] <input type="text" value="4"/>

=([9]+[10])

# Precipitation

**Category:** Freshwater

**Organization:** UNSD - United Nations Statistics  
Division, Environment Statistics Section

**Website:**

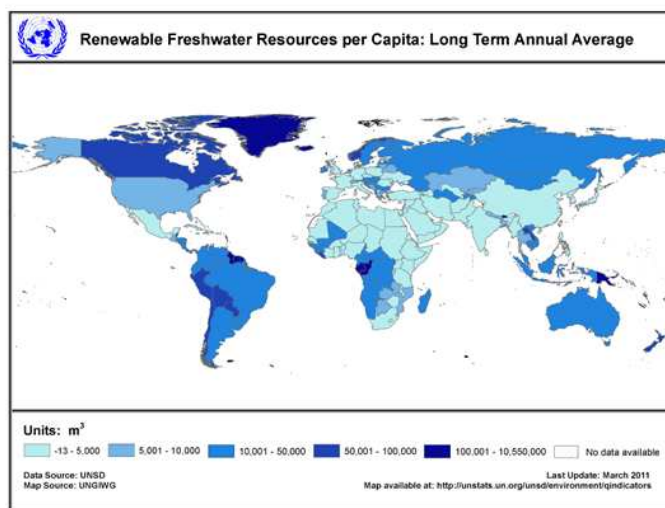
<http://unstats.un.org/unsd/environment/waterresources.htm>

## ENVIRONMENTAL INDICATORS

### Inland Water Resources

last update: March 2011

#### Water resources: long term annual average



Brazil*	15 333 391	5 657 230	2 768 672	8 425 901	43 891
Brunei Darussalam	15 706	8 500	0	8 500	21 668
Bulgaria*	68 598	18 085	89 141	107 226	14 123
Burkina Faso	204 925	12 500	0	12 500	821
Burundi	33 903	3 600	0	3 600	446
Cambodia	344 628	120 570	355 540	476 110	32 695
Cameroon	762 463	273 000	12 500	285 500	14 957
Canada*	4 930 000	2 740 000	51 500	2 791 500	83 931
Cape Verde	900	300	0	300	602
Central African Republic	836 662	141 000	3 400	144 400	33 278
Chad	413 191	15 000	28 000	43 000	3 940
Chile	1 151 600	884 000	38 000	922 000	54 868
China*	6 172 800	2 840 500	21 400	2 861 900	2 140
China, Hong Kong SAR*	2 616	1 489	0	1 489	213
Colombia	2 974 605	2 112 000	20 000	2 132 000	47 365
Comoros	2 000	1 200	0	1 200	1 816
Congo	562 932	222 000	610 000	832 000	230 142
Costa Rica	149 529	112 400	0	112 400	24 872
Cote d'Ivoire	434 676	76 700	4 300	81 000	3 934
Croatia	62 912	37 700	67 800	105 500	23 855
Cuba	147 965	38 120	0	38 120	3 402
Cyprus*	3 046	323	0	323	375
Czech Republic*	54 653	15 237	740	15 977	1 548
Dem. Rep. of the Congo	3 618 119	900 000	383 000	1 283 000	19 967
Denmark*	38 485	16 340	0 <sup>3</sup>	16 340	2 994
Djibouti	5 100	300	0	300	353
Dominican Republic	68 690	20 995	0	20 995	2 109
Ecuador*	521 779	283 980	0	283 980	21 065
Egypt	51 400	1 800	85 000	86 800	1 065
El Salvador*	56 052	23 212	635	23 847	3 888
Equatorial Guinea	60 481	26 000	0	26 000	39 442
Eritrea	45 147	2 800	3 500	6 300	1 279
Estonia*	29 018	...	...	12 347	9 205
Ethiopia	936 005	110 000	0	110 000	1 363
Fiji	47 356	28 550	0	28 550	33 825
Finland*	222 000	107 000	3 200	110 000	20 737
France*	485 686	175 293	11 000	186 293	3 003
French Guiana	260 550	134 000	0	134 000	608 817
Gabon	489 997	164 000	0	164 000	113 247
Gambia*	8 555	-3 046 <sup>f</sup>	5 884	2 838	1 709
Georgia*	83 141	46 845	6 931 <sup>f</sup>	53 776	12 486
Germany*	307 000	117 000	75 000	188 000	2 285

	Precipitation	Internal flow	Inflow of surface and ground waters	Renewable freshwater resources	Renewable freshwater resources per capita
	map	map	map	map	map
	$mio m^3$	$mio m^3$	$mio m^3$	$mio m^3$	$m^3$
Afghanistan	213 429	55 000	10 000	65 000	2 389
Albania	42 700	26 900	14 800	41 700	13 266
Algeria	211 499	13 900	420	14 320	417
Andorra*	466 <sup>2</sup>	263	0	263	3 116
Angola	1 258 793	184 000	0	184 000	10 210
Antigua and Barbuda	500	52	0	52	600
Argentina	1 642 104	276 000	538 000	814 000	20 410
Armenia*	17 640	6 317	940	7 257	2 358
Australia*	3 630 635	387 184	0	387 184	18 372
Austria*	98 000	55 000	29 000	84 000	10 075
Azerbaijan*	36 978	10 330	20 573	30 903	3 540
Bahamas	17 934	20	0	20	59
Bahrain*	71	-9	0	-9	-12
Bangladesh	383 832	105 000	1 105 644	1 210 644	7 567
Barbados	600	80	0	80	315

# Precipitation

**Category:** Freshwater

**Organization:** WMO - World Meteorological  
Organization

**Website:** <http://www.worldweather.org/>



# World Meteorological Organization

Weather • Climate • Water

## Official Observations

\* Cloudiness & Rain

## Official Forecasts

Select WMO Region

- \* Africa
- \* Asia
- \* Europe
- \* N. & Central America
- \* S. America
- \* S.W. Pacific

## What's New

- \* MyWeather - WWIS mobile application for iPhone launched **NEW**
- \* Russia launched Russian version
- \* Future version of WWIS launched
- \* Italy launched Italian version
- \* Germany launched German version
- \* France launched French version
- \* Spain launched Spanish version
- \* New domain name for WWIS
- \* WWIS includes city map and photo

## World Weather Information Service

Official Observations. Official Forecasts.



- ▶ ENGLISH
- ▶ عربي
- ▶ 中文
- ▶ PORTUGUÉS
- ▶ ESPAÑOL
- ▶ FRANÇAIS
- ▶ DEUTSCH
- ▶ ITALIANO
- ▶ Русский

This global web site presents OFFICIAL weather observations, weather forecasts and climatological information for selected cities supplied by National Meteorological & Hydrological Services (NMHSs) worldwide. The NMHSs make official weather observations in their respective countries. Links to their official weather service web sites and tourism board/organization are also provided whenever available. Weather icons are shown alongside worded forecasts in this version to facilitate visual inspection.

The media are welcome to make information presented in this web site available to the public. When doing so, credit to the respective NMHSs should be given.

By 1 Sep 2011, 131 Members supply official weather forecasts for 1453 cities. 1453 cities from 165 WMO Members also have their climatological data presented in this web site. Suggestions to enrich the contents of this web site are welcome.

### Quick Select for Climatological Information

Select country

### Weather Forecasts now available from:

- \* Afghanistan
- \* Algeria
- \* Argentina



# World Meteorological Organization

Weather • Climate • Water

## Official Observations

\* Cloudiness & Rain

## Official Forecasts

Select WMO Region

- \* Africa
- \* Asia
- \* Europe
- \* N. & Central America
- \* S. America
- \* S.W. Pacific

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## World Weather Information Service

Cameroon

[Direction de la Meteorologie Nationale](#)



Please **SELECT** City :  
(In alphabetical order)

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[Bertoua](#)  
[Douala](#)  
[Garoua](#)  
[Kribi](#)  
[Ngaoundere](#)  
[YAOUNDE](#)

Select city



# World Meteorological Organization

Weather • Climate • Water

## Official Observations

\* Cloudiness & Rain

## Official Forecasts

### Select WMO Region

- \* Africa
- \* Asia
- \* Europe
- \* N. & Central America
- \* S. America
- \* S.W. Pacific

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- \* France launched French version
- \* Spain launched Spanish version

# World Weather Information Service

## Cameroon

[Direction de la Meteorologie Nationale](#)

Weather Information for **Yaounde**



## Weather Forecast

Issued at 15:00 (Local time) 24 Oct 2011

Date	Temperature °C		Weather
	Minimum	Maximum	
25 Oct (Tue)	18	29	MODERATE THUNDERSHOWERS MORNING
26 Oct (Wed)	19	28	RAIN AFTERNOON
27 Oct (Thu)	20	29	ISOLATED THUNDERSHOWERS AFTERNOON

>> Click [here](#) for temperatures in °F

## Climatological Information

Month	Mean Temperature °C		Mean Total Rainfall (mm)	Mean Number of Rain Days
	Daily Minimum	Daily Maximum		
Jan	19.6	29.6	19.0	3
Feb	20.3	31.0	42.8	4
Mar	20.3	30.4	124.9	12
Apr	20.3	29.6	171.3	14
May	20.2	28.8	199.3	17
Jun	19.9	27.7	157.1	14
Jul	19.9	26.5	74.2	11
Aug	19.3	26.5	113.7	12
Sep	19.3	27.5	232.3	20
Oct	19.2	27.8	293.6	23
Nov	19.6	28.1	94.3	11
Dec	19.5	28.5	18.6	3



# **Average annual concentration of total nitrogen in lakes and rivers**

**Category:** Freshwater

**Organization:** UNEP-GEMS: Global Environment Monitoring System

**Website:** <http://www.gemstat.org/queryrgn.aspx>



## GLOBAL ENVIRONMENT MONITORING SYSTEM

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- [About GEM Stat](#)
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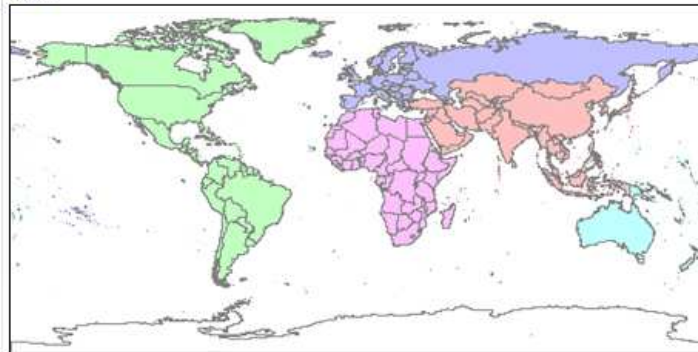
### Data Summary

Search GEMStat by using the drop-down menus or by clicking on the maps. Please follow these steps:

1. Select the summary data level (station or country)
2. Select a region
3. Select a country or watershed or Collaborating Focal Point
4. Select a station (required only when searching for station level data)
5. Select parameter(s)
6. Click on "View Data Summary"
7. Click on "View Graphs" (optional)

[Hide Help](#)

World



[What countries have made their raw data public?](#)

Search for summary data at the:

station level

Region:

World

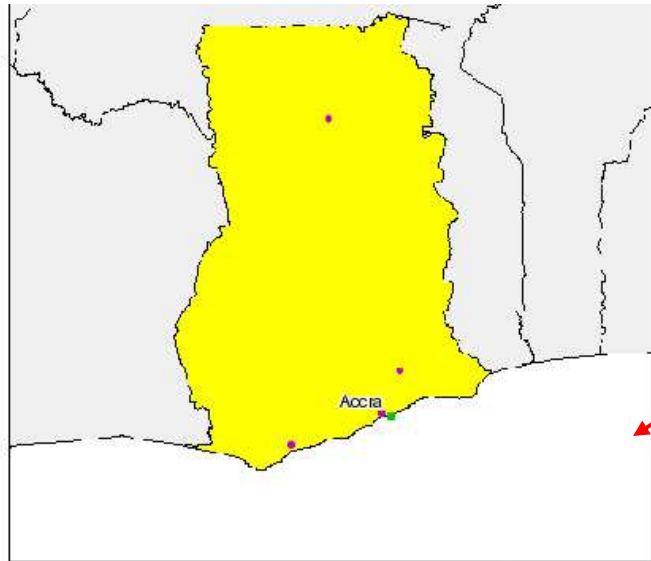
Select by  Country or  Watershed or  Collaborating Focal Point

Ghana

Station: Select a region and/or a country

Select country. No information for Cameroon available.

Example: Ghana



Map of country and available stations

- Available Stations
- Selected Station
- Capital
- Additional Data

KMZ files for viewing in [Google Earth™](#):  
stations in selected country or all stations (world)

Reset Map View:

World

[What countries have made their raw data public?](#)

Search for summary data at the:

station level

Region:

World

Select by  Country or  Watershed or  Collaborating Local Point

Ghana

Station:

<input type="radio"/> Kpong Reservoir - on Volta River (081004)	<input type="radio"/> Lake Weija - on Densu River (081001)
Latitude: 6°19'17"N Longitude: 0°52'W Data Opened: 1/1/1991 Type: TREND Water Type: RESERVOIR	Latitude: 5°33'33"N Longitude: 0°21'16"W Data Opened: 1/1/1991 Type: TREND Water Type: LAKE
<input type="radio"/> Pra River - at Daboaase (081002)	<input type="radio"/> White Volta River - at Nawuni (081003)
Latitude: 5°03'38"N Longitude: 1°36'52"W Data Opened: 1/1/1991	Latitude: 9°41'21"N Longitude: 1°53'1"W Data Opened: 1/1/1991

List of stations

Select station

Select by  Country or  Watershed or  Collaborating Focal Point

Ghana

Station:

<input type="radio"/> Kpong Reservoir - on Volta River (081004)	<input type="radio"/> Lake Weija - on Densu River (081001)
Latitude: 6°9'17" N Longitude: 0°5'2" W Date Opened: 1/1/1991 Type: TREND Water Type: RESERVOIR	Latitude: 5°33'33" N Longitude: 0°21'16" W Date Opened: 1/1/1991 Type: TREND Water Type: LAKE
<input type="radio"/> Pra River - at Daboase (081002)	<input checked="" type="radio"/> White Volta River - at Nawuni (081003)
Latitude: 5°6'36" N Longitude: 1°36'52" W Date Opened: 1/1/1991	Latitude: 9°41'21" N Longitude: 1°5'31" W Date Opened: 1/1/1991

Station

Station profile document in PDF format (Adobe Acrobat Reader required to view document).

Parameter:

Hydrologic and Sampling Variables	
<input type="checkbox"/> Instantaneous Discharge	
Major Ions	
<input type="checkbox"/> Calcium - Dissolved	<input type="checkbox"/> Chloride - Dissolved
<input type="checkbox"/> Fluoride - Dissolved	<input type="checkbox"/> Magnesium - Dissolved
<input type="checkbox"/> Potassium - Dissolved	<input type="checkbox"/> Sodium - Dissolved
<input type="checkbox"/> Sulphate	
Metals	
<input type="checkbox"/> Cadmium - Dissolved	<input type="checkbox"/> Copper - Dissolved
<input type="checkbox"/> Iron - Dissolved	<input type="checkbox"/> Iron - Total
<input type="checkbox"/> Lead - Dissolved	<input type="checkbox"/> Manganese - Dissolved
<input type="checkbox"/> Manganese - Total	<input type="checkbox"/> Zinc - Dissolved
Microbiology	
<input type="checkbox"/> Coliform - Total	<input type="checkbox"/> Faecal Coliform Bacteria
Nutrients	
<input type="checkbox"/> Ammonia	<input checked="" type="checkbox"/> Nitrogen, Nitrate + Nitrite
<input type="checkbox"/> Silica - Reactive	
Organic Matter	
<input type="checkbox"/> Biochemical Oxygen Demand	<input type="checkbox"/> Chemical Oxygen Demand
Physical - Chemical Characteristics	
<input type="checkbox"/> Alkalinity Total (CaCO3)	<input type="checkbox"/> Dissolved Oxygen
<input type="checkbox"/> Electrical Conductance	<input type="checkbox"/> pH
<input type="checkbox"/> Suspended Solids 105°C	<input type="checkbox"/> Temperature
<input type="checkbox"/> Transparency	

Select 'Nitrogen, Nitrate = Nitrite' or 'Nitrogen total'

Loading estimate available

View Summary Data


View Download Summary




## Summary Data

[Return to Search for Data](#)

### Location:

Region:	Africa
Country:	Ghana
Watershed:	Volta
Station:	White Volta River - at Nawuni (081003) 
Latitude:	9°41'21" N
Longitude:	1°5'31" W
Date Opened:	1/1/1991
Water Type:	RIVER
Station Type:	TREND

Parameter(s):	Nitrogen, Nitrate + Nitrite (mg N/L) 
Category:	Nutrients
Methods Used:	<ul style="list-style-type: none"> <li>• Colourimetry (1/24/1993 - 12/7/1995)</li> </ul>

### Date Filtering

Start Year:  End Year:

January  February  March  April  May  June  
 July  August  September  October  November  December

Click on Update to refresh statistics after making any changes in Date Filtering.

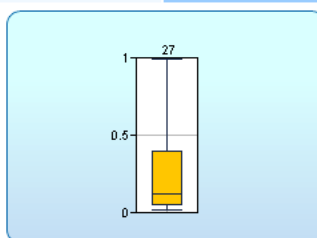
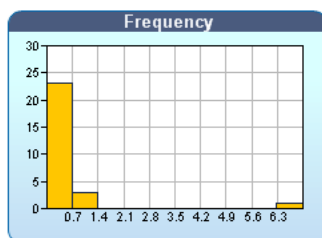
[Update](#)

### Descriptive Statistics

# of points:	27
Mean:	0.49174
Standard Deviation:	1.21577


### Percentiles

10th:	0.02000
25th:	0.05450
Median:	0.12000
75th:	0.39500
90th:	0.98800



## Graphs

Select one or more graphs from the choices below and click on the **View Graphs** button to display them.

<input checked="" type="checkbox"/> Histogram	
<input checked="" type="checkbox"/> Aggregate Boxplot	
<input checked="" type="checkbox"/> Yearly Boxplots	
<input checked="" type="checkbox"/> Aggregate Monthly Boxplots	
<input checked="" type="checkbox"/> Aggregate Seasonal Boxplots	
<input type="radio"/> 3-point boxplot <input checked="" type="radio"/> 5-point boxplot	
<input checked="" type="checkbox"/> Yearly Time Series	
<input checked="" type="checkbox"/> Monthly Time Series	
<input type="checkbox"/> Scatter plot	
<input type="checkbox"/> Annual Loading Estimate Graph 	

[View Graphs](#)

[View Download Summary](#)

[Return to Search for Data](#)