



UNEP



AEO-EIS and Africa Data Portal (on-line database)





3 languages (English, French and Arabic)

Division Of Early Warning And Assessment

Desktop, Client/Server and web interface

July 2007





AEO-EIS interface



Division Of Early Warning And Assessment

AEO-EIS [Window Controls]

UNEP **AEO - Environment Information System (AEO-EIS)**

System Name

- Data And Indicators
- Experts Database
- Documents Database
- Security Module
- Exit

Logos: [Africa Map], CEDARE, NEMA (National Environmental Management Authority), [di], [Africa Map], SARDC (Southern African Research and Documentation Centre), AEO (Africa Environment Outlook)



AFRICA ENVIRONMENT OUTLOOK

July 2007



Data and Indicator screen

Division Of Early Warning And Assessment

Data And Indicators

AEO - Environment Information System (AEO-EIS)

About
Search
 Indicator
 Data Variable

Data Entry
 Indicator >>
 Data Variable >>

MetaData >>
Administration
 Reference >>
 Interface >>

Exit





Search Screen – Indicator or Variable

Division Of Early Warning And Assessment

Search > Indicator

AEO - Environment Information System (AEO-EIS)

UNEP

Region
Africa

Sub Region
Central Africa
Eastern Africa

Country

Sub National

City

Initiative
AEO

Theme
Land

Issues
Appropriate and sustainable farming s

Indicator Type
State

Indicator	Value	Year From	Year To	Interval	Source
Arable Land		1985	2005	5	

Report Type
Sub Region Bar Graph

Search Save Search Open Search Clear Clear All Exit

AFRICA ENVIRONMENT OUTLOOK

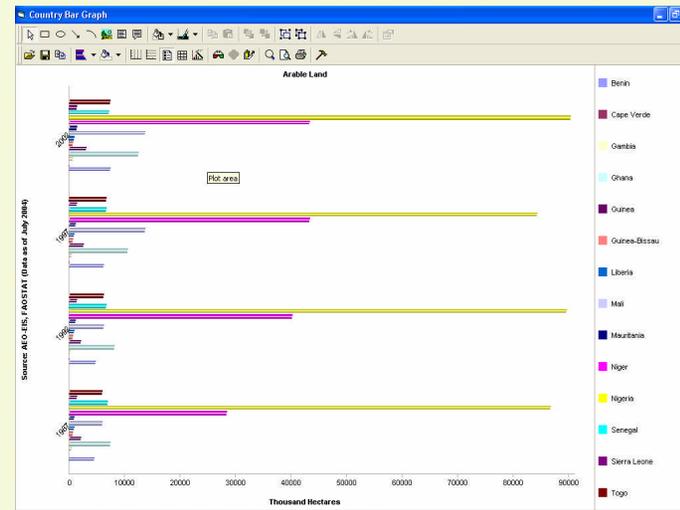
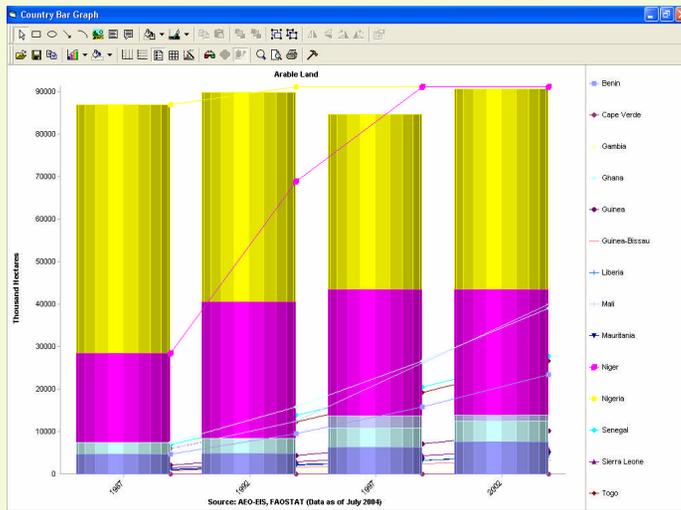
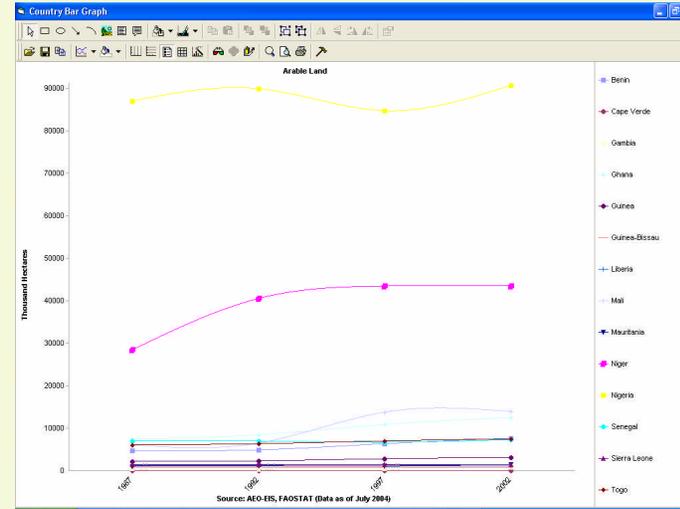
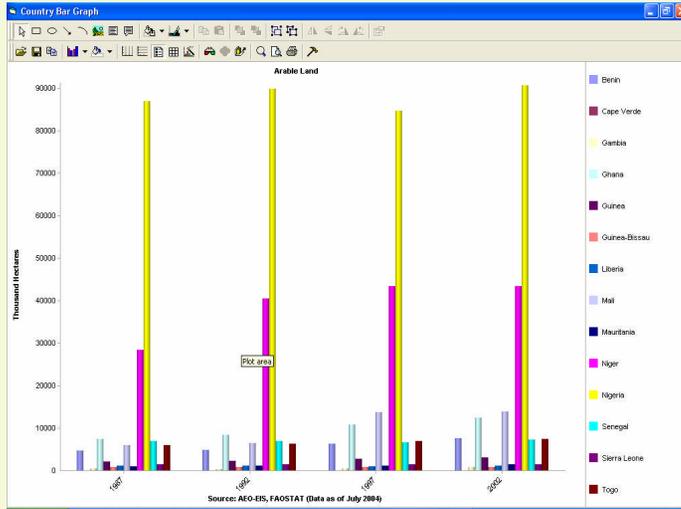


AFRICA ENVIRONMENT OUTLOOK



Search result - outputs/report types

Division Of Early Warning And Assessment



July 2007



Other types of outputs/report types

Division Of Early Warning And Assessment

Search > Indicator

AEO - Environment Information System (AEO-EIS)

Region: Africa

Initiative: AEO

Sub Region: Central Africa, Eastern Africa

Theme: Freshwater

Country:

Sub National:

City:

Indicator: Water Use - per Capita

Report Type

- Indicators List
- Indicators Matrix
- Region Bar Graph
- Region Datasheet
- Region Line Graph
- Sub National Bar Graph
- Sub National Datasheet
- Sub National Line Graph
- Sub Region Bar Graph
- Sub Region Datasheet
- Sub Region Line Graph

Search Save S





Division Of Early Warning And Assessment

Africa Data Portal

On-line database and Internet component of AEO-EIS



AFRICA ENVIRONMENT OUTLOOK

July 2007



GRID Africa GeoPortal – Homepage

Division Of Early Warning And Assessment

Home - GRID Africa GeoPortal -- Mozilla Firefox

File Edit View History Bookmarks Yahoo! Tools Help

http://gridnairobi.unep.org/Portal/

Getting Started Latest Headlines

Search Web Bookmarks My Yahoo! Yahoo! Games Mail Shopping News Travel

Home - GRID Africa GeoPortal

[About UNEP](#)
[UNEP Offices](#)
[News Centre](#)
[Publications](#)
[Events](#)
[Awards](#)
[Employment](#)
[UNEP Store](#)

United Nations Environment Programme
GRID Africa GeoPortal

Metadata Portal
[Home](#)
[Launch Map Viewer](#)
[Advanced Search](#)
[Login](#)

Username:
 Password:

[Create a new account!](#)
[Forgot Password?](#)

About This Site
[Partners](#)
[Help](#)

Home
 [Advanced Search](#)

DEWA/GRID-Nairobi is one of UNEP's major centers for data and information management, with a unique, "value-adding" mandate in the handling of national, sub-regional and regional environmental statistics and data, which in turn supports the environment assessment and early warning activities of UNEP and its partners.

Located at UNEP's Headquarters based in Nairobi, Kenya, GRID-Nairobi occupies an important niche in the global GRID Network. The center also functions as a support provider to the DEWA-Africa Programme in the area of capacity building for African countries using environmental information for decision-making and action.

[Data Categories](#)
[GRID-Nairobi](#)
[East African Forests](#)
[Scientific Publications](#)
[Technical Reports](#)

Data Partners
[DEPHA](#)
[Nairobi Convention Clearing House Mechanism](#)

Current Events
[Nairobi and Abijan Convention / COP 5/8 Meeting](#)

[Environment Statistics](#)

 Statistics

[Map viewer](#)

 Map Viewer

[Rift Valley Fever](#)

 In Focus

© United Nations Environment Programme [[Disclaimer](#)] [[Privacy](#)] [[Contact Us](#)]

Done

Start Home - GRID Africa ... Chris Ambala - Inbox ... C:\DEWA Africa\GEO ... Windows Media Player Microsoft PowerPoint ... EN 9:43 AM

July 2007





Metadata - search result

Division Of Early Warning And Assessment

Search Results - GRID Africa GeoPortal -- Mozilla Firefox

http://gridnairobi.unep.org/Portal/DiscoveryServlet

Getting Started Latest Headlines

Search Web Bookmarks My Yahoo! Yahoo! Games Mail Shopping News Travel

Search Results - GRID Africa GeoPortal

United Nations Environment Programme
GRID Africa GeoPortal

Metadata Portal

- Home
- Launch Map Viewer
- Advanced Search
- Login

Username:
Password:

[Create a new account!](#)
[Forgot Password?](#)

About This Site

- Partners
- Help

Search Results

[New Search](#) [Refine Search](#)

Records Found: 161

Search for:

What: land
Who: Any Publisher
Where: North: 90.0 South: -90.0 East: 180.0 West: -180.0
Category: All Categories
Resource Type: Any Type/Format
Time Frame: Any Time

161+ Metadata record(s) retrieved in 0.078 seconds.

Currently displaying records 1 - 15 of 161
Pages [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [next](#) [>>](#)

Metadata Results

Content Title: Comoros Moheli Landcover [thumbnail](#)
Publisher: Mwangi Theuri, United Nations Environment Programme - Division of Early Warning and Assessment
Coverage Area: Comoros Moheli
Content Type: Downloadable Data
[View Details](#) [View All Metadata](#)

Content Title: Land Degradation
Publisher: Johannes Akiwumi, United Nations Environment Programme - Division of Early Warning and Assessment
Content Type: ArcIMS Image Service
[View Map](#) [View Globe](#) [Add To ArcMap](#) [View Details](#) [View All Metadata](#) [Go To Website](#)



AFRICA ENVIRONMENT OUTLOOK

July 2007



Indicator and data module

Division Of Early Warning And Assessment

Home - GRID Africa GeoPortal - - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://gridnairobi.unep.org/Portal/

Customize Links (459 unread) Yahoo! ... Free Hotmail Windows Marketplace Windows Media Windows

[About UNEP](#) | [UNEP Offices](#) | [News Centre](#) | [Publications](#) | [Events](#) | [Awards](#) | [Employment](#) | [UNEP Store](#)

United Nations Environment Programme
GRID Africa GeoPortal

Metadata Portal

- Home
- Launch Map Viewer
- Advanced Search
- Login

Username:
 Password:

[Create a new account!](#)
[Forgot Password?](#)

About This Site

- Partners
- Help

Home

[Advanced Search](#)

DEWA/GRID-Nairobi is one of UNEP's major centers for data and information management, with a unique, "value-adding" mandate in the handling of national, sub-regional and regional environmental statistics and data, which in turn supports the environment assessment and early warning activities of UNEP and its partners.

Located at UNEP's Headquarters based in Nairobi, Kenya, GRID-Nairobi occupies an important niche in the global GRID Network. The center also functions as a support provider to the DEWA-Africa Programme in the area of capacity building for African countries using environmental information for decision-making and action.

Environment Statistics
 Statistics

Map viewer
 Map Viewer

Rift Valley Fever
 In Focus

Data Categories

- GRID-Nairobi
- East African Forests
- Scientific Publications
- Technical Reports
- Policy analysis documents
- Hotspots and GIS data
- Trends in ecosystem management
- Raw scientific data and metadata
- Projects carried out by partners
- Land use and Land cover
- Research projects

Data Partners

- DEPHA
- Nairobi Convention Clearing House Mechanism

Current Events

- Nairobi and





GEO Africa Data Portal - homepage

Division Of Early Warning And Assessment

GEO Africa Data Portal - Windows Internet Explorer

http://gridnairobi.unep.org/aeo_prototype/

File Edit View Favorites Tools Help

GEO Africa Data Portal

UNEP

DEWA

UNEP.Net



United Nations Environment Programme

GEO Africa Data Portal

AEO - Environment Information System

| About | Help | News |

The GEO Africa Data Portal is the web interface of the AEO - Environment Information System (AEO-EIS) designed to improve access to harmonized national, sub-regional and regional environmental statistics and geospatial datasets to support integrated environmental assessment reports at national, sub-regional and regional levels in Africa. It covers the AEO-2 and NEPAD thematic areas such as freshwater, land, socio-economic, forests and woodlands, atmosphere, energy, coastal and marine, human settlements, biodiversity, health and environment and wetlands. The portal can generate output in the form of **graphs** (bar graph, line graph, pie-chart), **maps**, **data tables** and one can also **download data** in varied formats

[Français](#)

[Links](#)

[AEO Reports](#)

[AEO-2 Indicators](#)

[AEO-2 Data Compendium](#)

[DEWA Africa Homepage](#)

Enter any thematic keyword here and click on "Search"

Enter the words to search for
e.g water, land, population, forests

SEARCH

ADVANCED SEARCH

| About | Help | News



Click on "Advanced Search" to enter a more detailed, more specific search interface with more options.



Web version of the AEO-EIS

July 2007

AFRICA ENVIRONMENT OUTLOOK



Search results based on free text entry

Division Of Early Warning And Assessment

GEO Africa Data Portal - Windows Internet Explorer
 http://gridnairobi.unep.org/seo_prototype/search/theme.asp
 File Edit View Favorites Tools Help
 GEO Africa Data Portal

UNEP DEWA UNEP.Net GEO
United Nations Environment Programme
 GEO Africa Data Portal
 AEO - Environment Information System | About | Help | News

Home Indicator/Data variable
 Select the indicator/data variable

Number of entries found to your query

Number of entries found: 37

Theme	Environmental Issue	Indicator/Data Variable	Indicator Type	Data Provider
<input type="radio"/> Land	Land Use	Irrigated Land	State	FAOSTAT (Data as of July 2001)
<input type="radio"/> Land	Land Use	Total Area	State	FAOSTAT (Data as of July 2001)
<input type="radio"/> Land	Land Use	Land Area	State	FAOSTAT (Data as of July 2001)
<input type="radio"/> Land	Land Use	Land in Permanent Crops	State	FAOSTAT (Data as of July 2001)
<input checked="" type="radio"/> Land	Appropriate and sustainable farming systems	Permanent Pasture - Total	State	FAOSTAT (Data as of July 2004)
<input type="radio"/> Land	Appropriate and sustainable farming systems	Cereals - Area Harvested	State	FAOSTAT (Data as of May 2004)
<input checked="" type="radio"/> Land	Appropriate and sustainable farming systems	Arable Land	State	FAOSTAT (Data as of July 2004)
<input type="radio"/> Land	Appropriate and sustainable farming systems	Agricultural Production Index Base 1999-2001 - Total	Pressure	FAOSTAT (Data as of June 2004)
<input type="radio"/> Land	Appropriate and sustainable farming systems	Average Calorie Supply from Animal Products - per Capita	State	FAOSTAT
<input type="radio"/> Land	Appropriate and sustainable farming systems	Average Total Calorie Supply - per Capita	State	FAOSTAT
<input type="radio"/> Land	Appropriate and sustainable farming systems	Meat Production - per Capita	State	FAOSTAT (Data as of May 2001)
<input type="radio"/> Land	Appropriate and sustainable farming systems	Meat Production - Total	State	FAOSTAT (Data as of May 2001)
<input type="radio"/> Forests	Forest loss	Proportion of Land Area Covered by Forest	State	Food and Agriculture Organization Statistical Database
<input type="radio"/> Forests	Forest loss	Proportion of Land Area Covered by Forest	State	Global Forest Resources Assessment (FRA 2000)
<input type="radio"/> Atmosphere	Carbon Emissions	Carbon to the Atmosphere from Land-Use Change - Annual Net Flux	Pressure	Houghton and Hackler (2001), CDIAC NPD-050/R1
<input type="radio"/> Atmosphere	Carbon Emissions	Emissions of CO2 - Anthropogenic Emissions and Removals from Land-Use Change and Forestry (UNFCCC)	Pressure	Greenhouse Gas (GHG) Inventory Submission 1998, 1999, and 2000
<input type="radio"/> Wetlands	Strategies to conserve wetlands	Number of Wetlands of International Importance (Ramsar Sites)	State	The Ramsar List of Wetlands of International Importance
<input type="radio"/> Biodiversity	Over fishing	Fish, Crustaceans and Molluscs Catch - Inland Waters	Pressure	FAO Fisheries Department, Fishery Information, Data and Statistics Units (Data as of March 2004)
<input type="radio"/> Socio-Economic	Governance	Participation in Treaties - Ramsar Convention on Wetlands	State	Ramsar Convention on Wetlands (Data as of November 4, 2003)

Number of entries found: 37

go back continue

DEWA

© 2005 United Nations Environment Programme
 Web site manager: DEWA Africa
 Disclaimer | Site map | Feedback

AEO

Select an indicator/data variable and click on "continue"



AFRICA ENVIRONMENT OUTLOOK

July 2007



Region and range



Division Of Early Warning And Assessment

GEO Africa Data Portal - Search - Windows Internet Explorer
 http://gridnairobi.unep.org/aeo_prototype/search/regiontest.asp
 File Edit View Favorites Tools Help
 GEO Africa Data Portal - Search

UNEP DEWA UNEP.Net GEO
United Nations Environment Programme
 GEO Africa Data Portal
 AEO - Environment Information System | About | Help | News

Home Data and Indicator **Region**

Select the region

Region: Africa (click to search for Africa region data)

Sub regions: Available Selected

Eastern Africa	->>	Central Africa
Southern Africa		Northern Africa
Western Indian Ocean	<<<	Western Africa

Countries: Available Selected

Libyan Arab Jamahiriya	->>	Burkina Faso
Mali		Cameroon
Morocco	<<<	Cape Verde
Niger		Central African Republic
Nigeria		Egypt
Sao Tome and Principe		Mauritania

Cities: Available Selected

	->>	
	<<<	

Year Range: From 1961 To 2002 Interval (years) 10
 go back continue

Select the region based on the region data you want to conduct your search on. To select multiple sub regions/countries/cities, hold down the Ctrl-button of the keyboard.

Select the year range for your query.



© 2005 United Nations Environment Programme
Web site manager: DEWA Africa

Disclaimer | Site map | Feedback



AFRICA ENVIRONMENT OUTLOOK



Advanced search



[Home](#) **Advanced Search**

Region, Subregion, countries and cities

Region: **Africa** (click to search for Africa region data)

Subregions: **Available**
 Eastern Africa
 Northern Africa
 Western Africa

Selected
 Central Africa
 Southern Africa
 Western Indian Ocean

Countries: **Available**
 Sao Tome and Principe
 Seychelles
 South Africa
 Swaziland
 United Republic of Tanzania
 Zambia

Selected
 Angola
 Cameroon
 Comoros
 Equatorial Guinea
 Madagascar
 Zimbabwe

Cities: **Available**

Themes and Environmental Issues

Themes: Freshwater

Issues: **Available**
 Population with access to Freshwater resou
 Water Mgt issues
 Water Quality
 Water availability
 Water usage

Selected
 Biodiversity

Indicator type and indicators

Indicator type: - - - - -Select the indicator type- - -

Indicators: **Available**

Selected
 Fish Catch - Freshwater

Data source and year range

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

Year Range: From 1970 To 1999 Interval (years) 5

[go back](#) [continue](#)

Select the region based on the region data you want to conduct your search on. To select multiple sub regions/countries/cities, hold down the Ctrl-button of the keyboard.

Select the theme and environmental issue.

Select the indicator type and indicator.

Select the source and the year range for your query.





Option for viewing results

Division Of Early Warning And Assessment

The screenshot shows a web browser window displaying the GEO Africa Data Portal. The browser's address bar shows the URL: http://gridnairobi.unep.org/aeo_prototype/AdvancedSearch/option.asp. The website header includes the UNEP logo and the text "United Nations Environment Programme GEO Africa Data Portal AEO Environment Information System". Below the header, there are navigation tabs for "Home", "Advanced Search", and "Option". The "Option" tab is selected, and a section titled "Select an option" contains five buttons: "Show Values", "Show Metadata", "Draw Graph", "Draw Map", and "Download Data". Each button has a small thumbnail image representing its function: a table for "Show Values", a list of fields for "Show Metadata", a bar chart for "Draw Graph", a map of Africa for "Draw Map", and a data download dialog for "Download Data". A green box with a white background and a green border is positioned below the "Option" section, containing the text "Select any of these five modules to view or download the results". Five green arrows point from this box to each of the five option buttons. At the bottom of the page, there is a copyright notice: "© 2005 United Nations Environment Programme Web site manager: DEWA Africa" and a logo for "AEO" (Africa Environment Outlook) featuring a map of Africa.





Results – Options



Division Of Early Warning And Assessment

UNEP DEWA UNEP.Net GEO

United Nations Environment Programme
GEO Africa Data Portal

UNEP DEWA UNEP.Net GEO

United Nations Environment Programme
GEO Africa Data Portal

AEO Environment Information System

Home Advanced Search Option Metadata

Country	Environment
Botswana	Population v Freshwater
Cameroon	Population v Freshwater
Chad	Population v Freshwater
Democratic Republic of the Congo	Population v Freshwater
Equatorial Guinea	Population v Freshwater
Gabon	Population v Freshwater

Water Use - per Capita

Creator / Data Provider
Creator name

Subject Keywords
Free Text

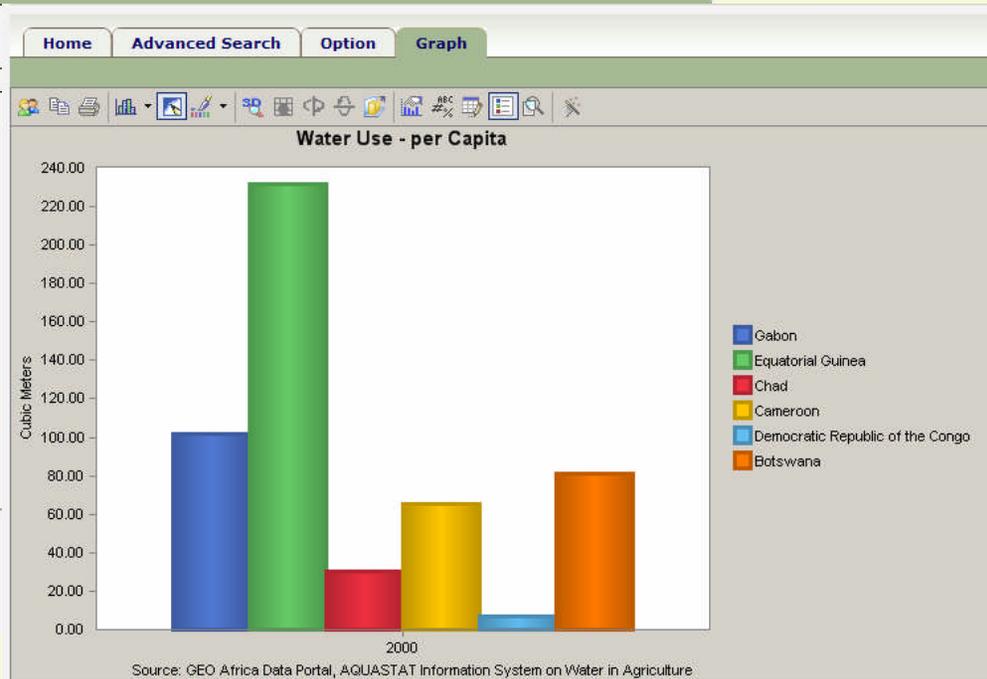
Publisher
Free Text

Date
1996-09-23 (ISO 8601)

Sources
Free Text

Language
English

Rights
Free Text



© 2005 United Nations Environment Programme
Web site manager: DEWA Africa



[Disclaimer](#) | [Site map](#) | [Feedback](#)



AFRICA ENVIRONMENT OUTLOOK

July 2007



Results – Options (download)

Division Of Early Warning And Assessment

The screenshot shows two windows. The Microsoft Excel window displays a table with the following data:

META_DATA	COUNTRY NAME
Variable: Water Use - per Capita	Botswana
Units: Cubic Meters	Cameroon
Data Source: AQUASTAT Information System on Water in	Chad
Agriculture	Democratic Republi
	Equatorial Guinea
	Gabon

The Notepad window shows the following text:

```
Region, Environmental Issue, Indicator/Data Variable, Year, cubic Meters
Botswana, Population with access to Freshwater resources, water Use - per Capita, 2000, 81,
Cameroon, Population with access to Freshwater resources, water Use - per Capita, 2000, 65,
Chad, Population with access to Freshwater resources, water Use - per Capita, 2000, 30,
Democratic Republic of the Congo, Population with access to Freshwater resources, water Use - per Capita,
Equatorial Guinea, Population with access to Freshwater resources, water Use - per Capita, 2000, 232,
Gabon, Population with access to Freshwater resources, water Use - per Capita, 2000, 102,
```



AFRICA ENVIRONMENT OUTLOOK

July 2007

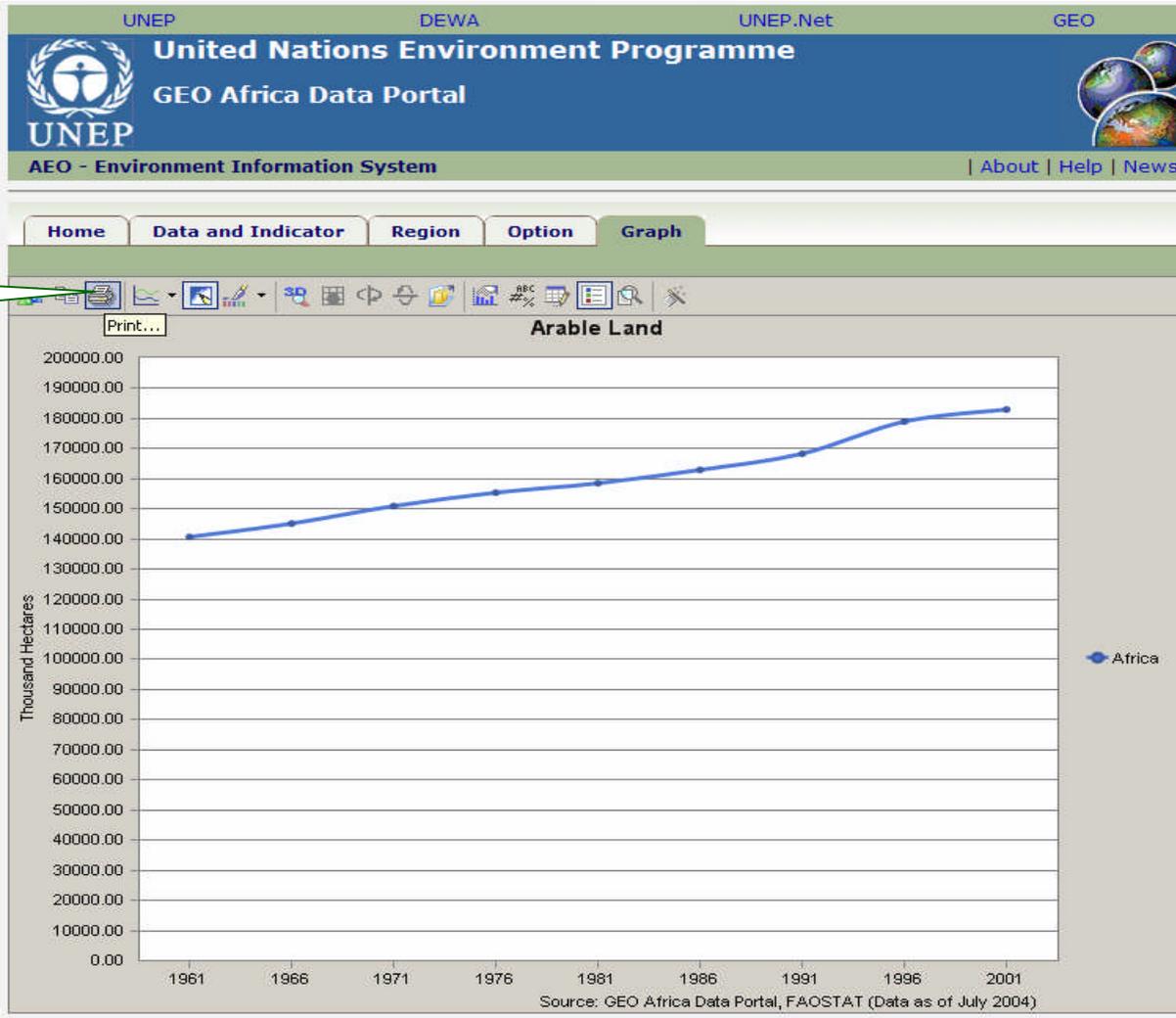


Printing query results



Division Of Early Warning And Assessment

To print out the graph.



© 2005 United Nations Environment Programme
Web site manager: DEWA Africa

[Disclaimer](#) | [Site map](#) | [Feedback](#) |



AFRICA ENVIRONMENT OUTLOOK

July 2007





Customizing graphs



Division Of Early Warning And Assessment

UNEP DEWA UNEP.NA

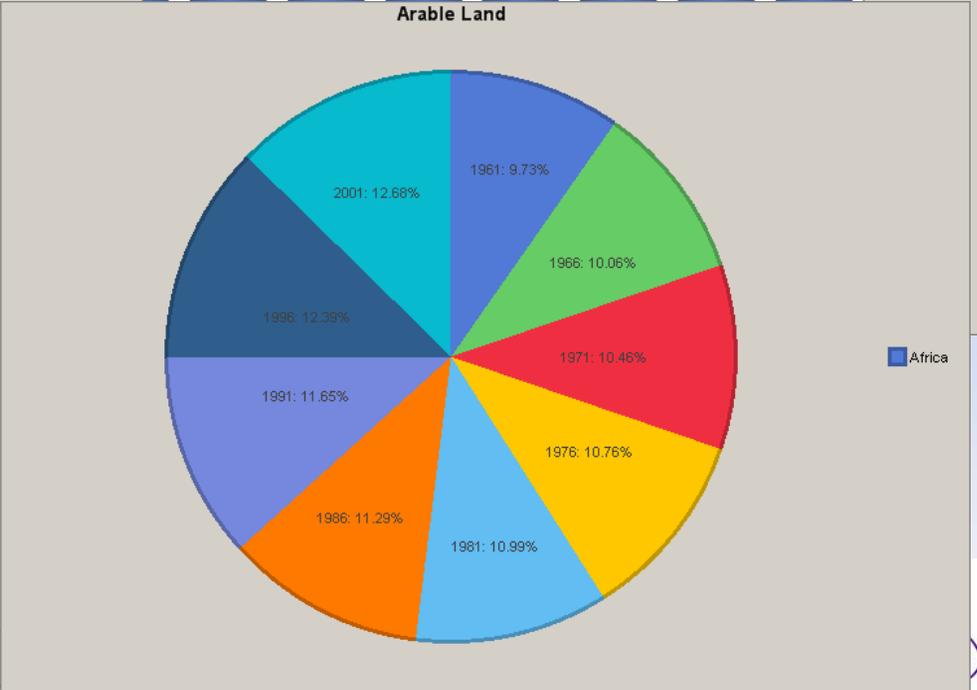
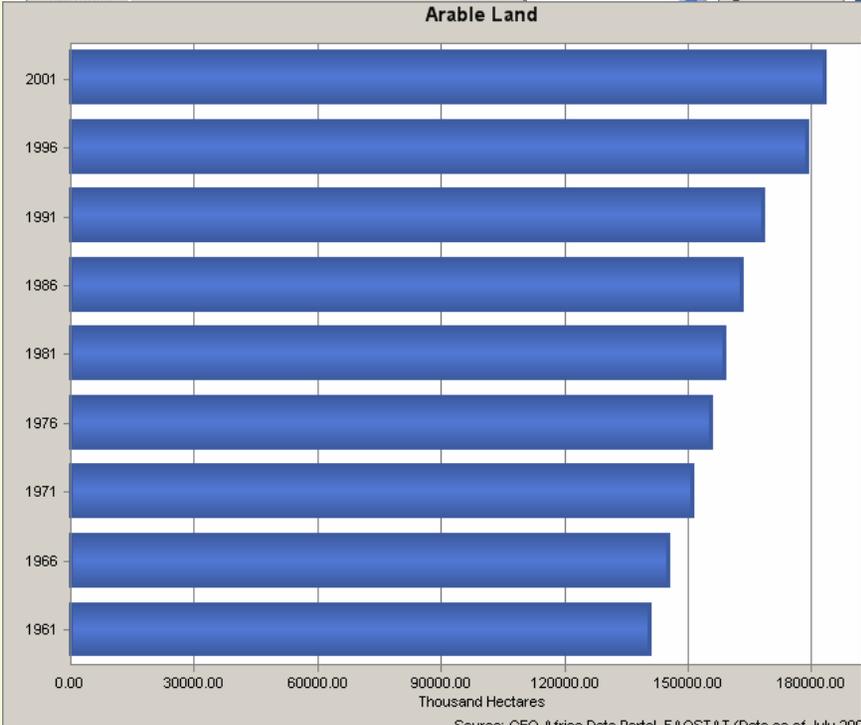
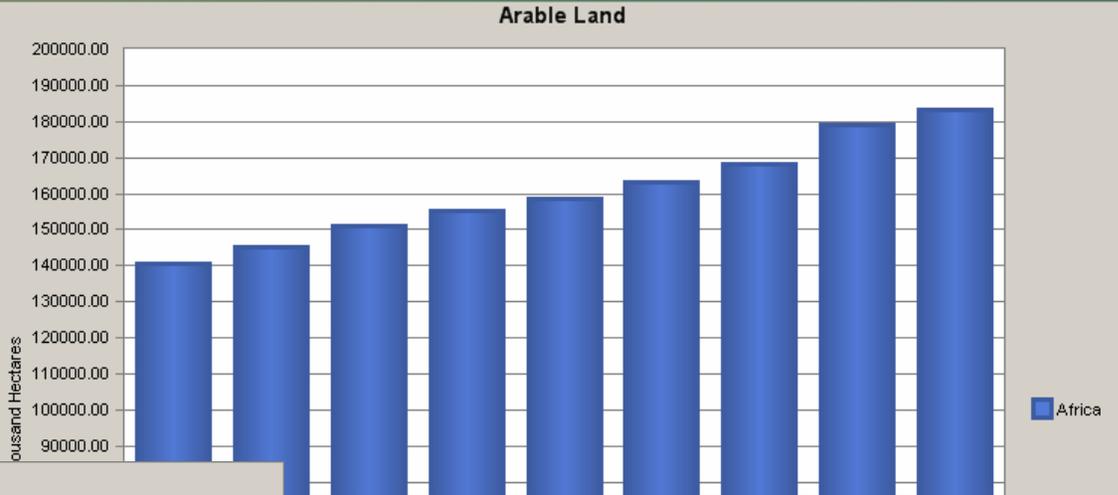
United Nations Environment Programme
GEO Africa Data Portal

Home

Graph

Arable Land

200000.0
190000.0
180000.0
170000.0



Source: GEO Africa Data Portal, FAOSTAT (Data as of July 2004)

Source: GEO Africa Data Portal, FAOSTAT (Data as of July 2004)

July 2007



GRID Africa geoportal - Maps

Division Of Early Warning And Assessment

Home - GRID Africa GeoPortal - - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://gridnairobi.unep.org/Portal/

Customize Links (459 unread) Yahoo! ... Free Hotmail Windows Marketplace Windows Media Windows

[About UNEP](#) | [UNEP Offices](#) | [News Centre](#) | [Publications](#) | [Events](#) | [Awards](#) | [Employment](#) | [UNEP Store](#)

United Nations Environment Programme
GRID Africa GeoPortal

Metadata Portal
[Home](#)
[Launch Map Viewer](#)
[Advanced Search](#)
[Login](#)

Username:
 Password:

[Create a new account!](#)
[Forgot Password?](#)

About This Site
[Partners](#)
[Help](#)

Home
 [Advanced Search](#)

DEWA/GRID-Nairobi is one of UNEP's major centers for data and information management, with a unique, "value-adding" mandate in the handling of national, sub-regional and regional environmental statistics and data, which in turn supports the environment assessment and early warning activities of UNEP and its partners.

Located at UNEP's Headquarters based in Nairobi, Kenya, GRID-Nairobi occupies an important niche in the global GRID Network. The center also functions as a support provider to the DEWA-Africa Programme in the area of capacity building for African countries using environmental information for decision-making and action.

[Environment Statistics](#) | [Map viewer](#) | [Rift Valley Fever](#)

Statistics | Map Viewer | In Focus

Data Categories
[+ GRID-Nairobi](#)
[East African Forests](#)
[Scientific Publications](#)
[Technical Reports](#)
[Policy analysis documents](#)
[Hotspots and GIS data](#)
[Trends in ecosystem management](#)
[Raw scientific data and metadata](#)
[Projects carried out by partners](#)
[Land use and Land cover](#)
[Research projects](#)

Data Partners
 DEPHA
[+ Nairobi Convention Clearing House Mechanism](#)

Current Events
[Nairobi and](#)





Map Viewer



Division Of Early Warning And Assessment

http://gridnairobi.unep.org - GIS Portal Toolkit Map Viewer (Projection: GCS_WGS_1984) - Mozilla Firefox

Map Viewer Home Search Help

- PortalBaseMap
 - Coastlines
 - International Boundaries
 - Lakes
 - Country Names
 - Oceans

ADD SERVICES

Look In GIS Portal Toolkit Internet Server List:

- Internet Server List
- GRID-Africa Services
- GRID-Sioux Falls Services
- GRID-WCMC Services
- Featured Global Services -
- Geography Network
- Pacific Disaster Centre
- Featured Regional Services -
- University of Maryland Fire Information
- Featured National Services -
- Featured Sub National Services -

© United Nations Environment Programme

0 x 17 mi 0 x 27 km

Done

Start 4 Firefox Chris Ambala - Inbox ... C:\DEWA Africa\DEW... Windows Media Player Microsoft PowerPoint ... EN 3:27 PM



AFRICA ENVIRONMENT OUTLOOK

July 2007



http://gridnairobi.unep.org - GIS Portal Toolkit Map Viewer (Projection: GCS_WGS_1984) - Mozilla Firefox

Map Viewer Home Search Help

popafrica.map
 Population 2000
 PortalBaseMap
 Coastlines
 International Boundaries
 Lakes
 Country Names
 Oceans

© United Nations Environment Programme 0.17 mi 0.27 km

Done

Start 3 Firefox Chris Ambala - Inbox - ... C:\DEWA Africa\DEW... Windows Media Player Microsoft PowerPoint - ... EN 3:30 PM





On-line database



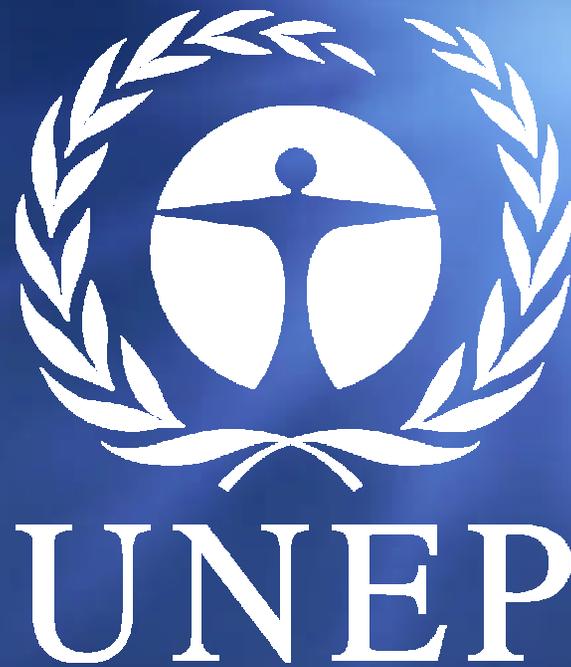
Division Of Early Warning And Assessment

<http://www.unep.org/geo/data/africa>



AFRICA ENVIRONMENT OUTLOOK

July 2007



Thank You