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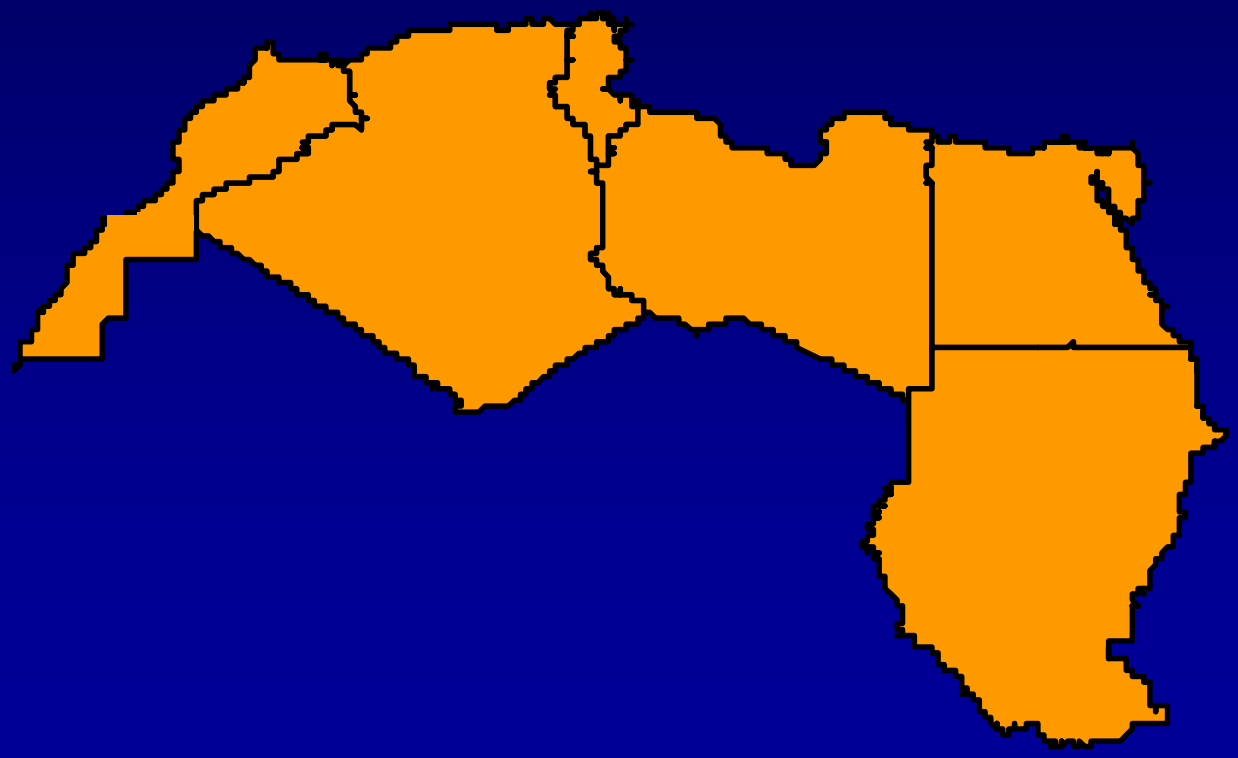
برنامج إدارة المعرفة

CEDARE

North Africa region
Regional Experience and Data Analysis



Indian Ocean Commission

Centre for the Arab Region and Europe.

CEDARE

Southern African Research and Documentation Centre: Musokotwane Environment Resource Centre for Southern Africa

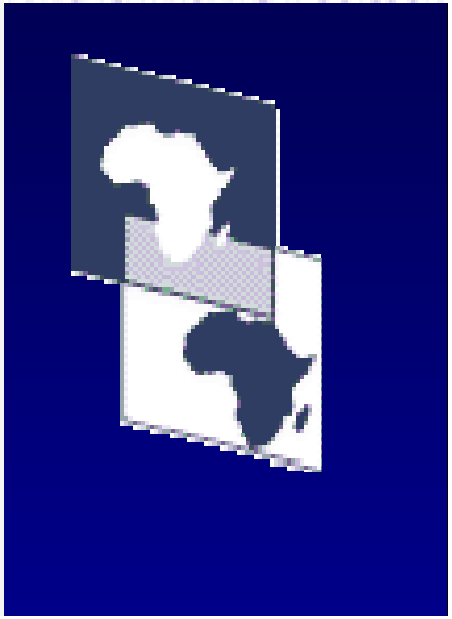
Core Team and Experts (CT+E) lead by National Environmental Management Authority (Uganda)

Network for Environment and Sustainable Development in Africa

L'Associdation pour le Developpement de l'Information Environnementale

AEO

AFRICA ENVIRONMENT OUTLOOK



GRID Africa

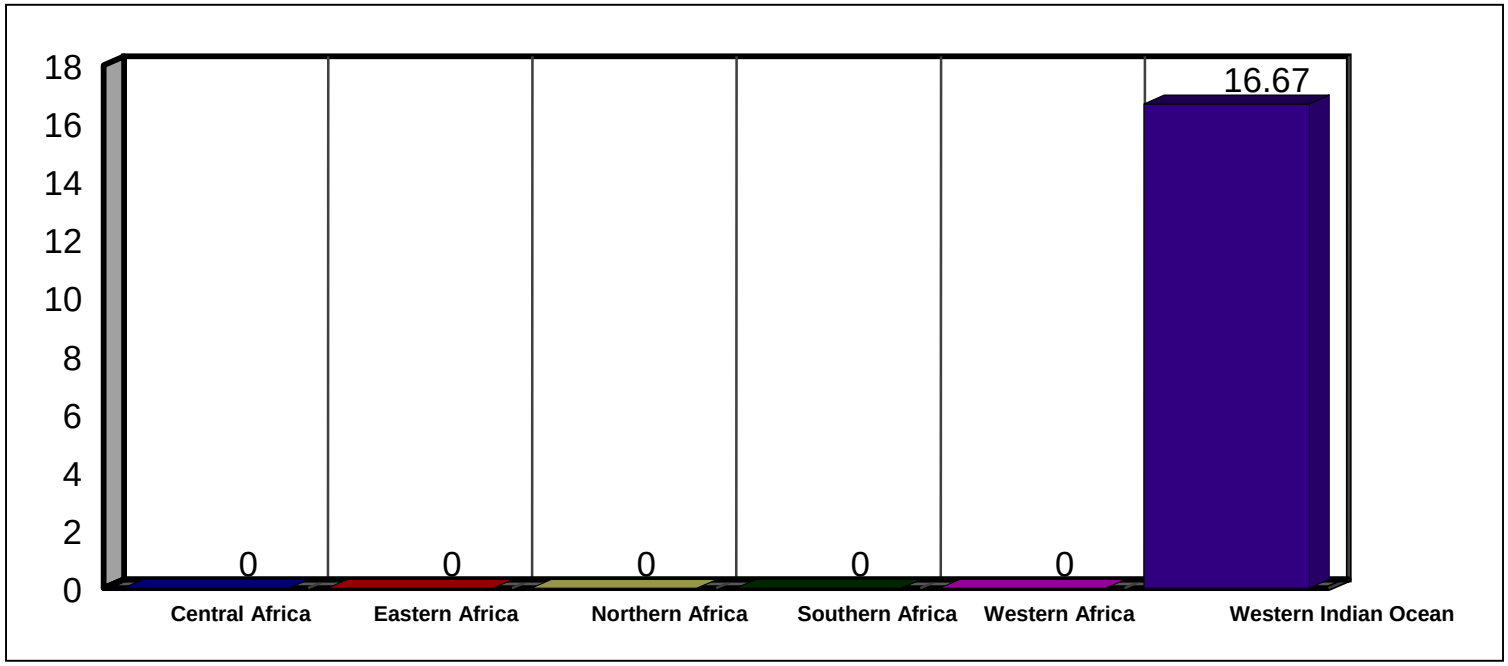
AEIN N.A Team

Gap Indicators Report

AEO-EIS, CEDARE, 2006

Agricultural Area - Percent of Land Area

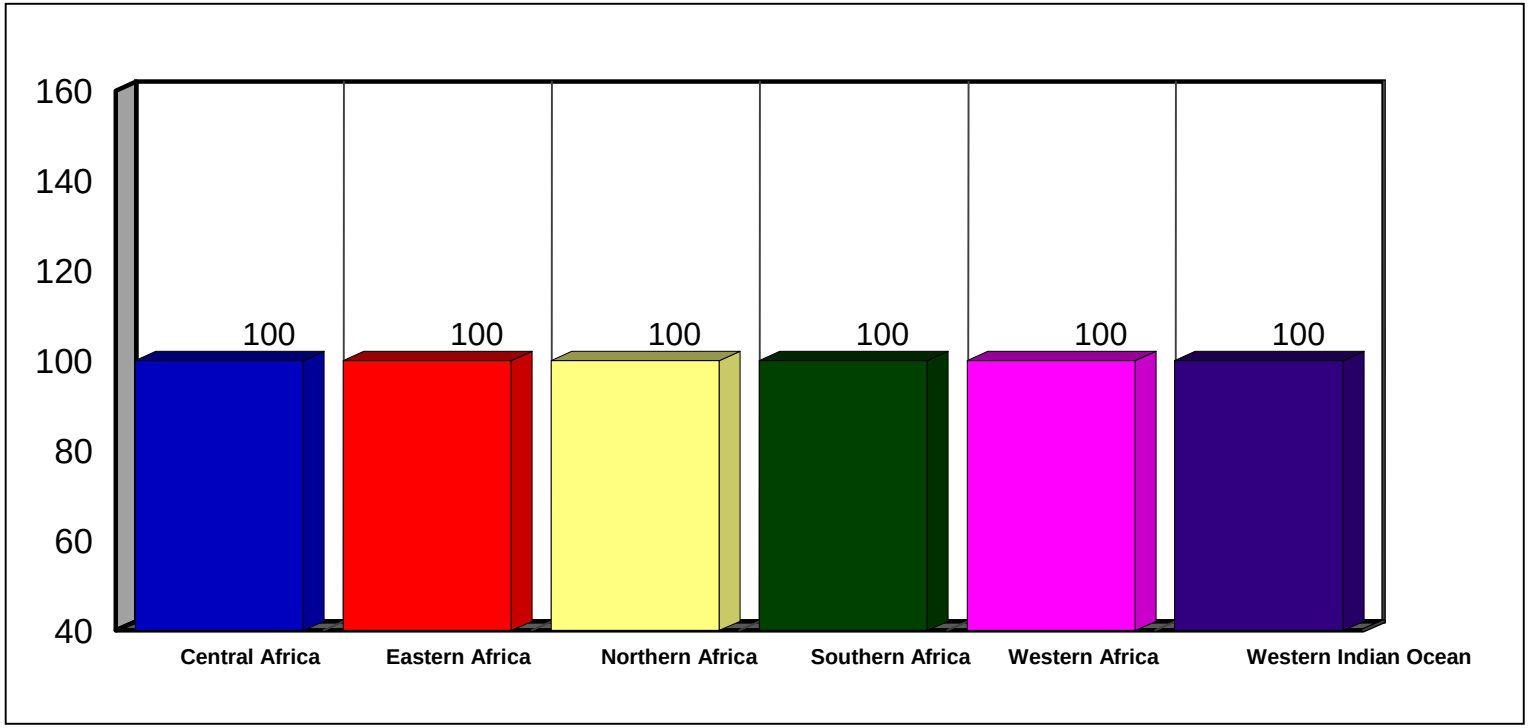
Sub-Region Name	No. Of Country	Number Of Non-Available Data	Of Data Gap %
Central Africa	8	0	0.00
Eastern Africa	8	0	0.00
Northern Africa	7	0	0.00
Southern Africa	12	0	0.00
Western Africa	16	0	0.00
Western Indian Ocean	6	1	16.67
Total	**57**	**1**	**1.75**



Data Source : FAOSTAT (Data as of July 2004)
AEO-EIS, CEDARE, 2006

Human Population Density Estimate

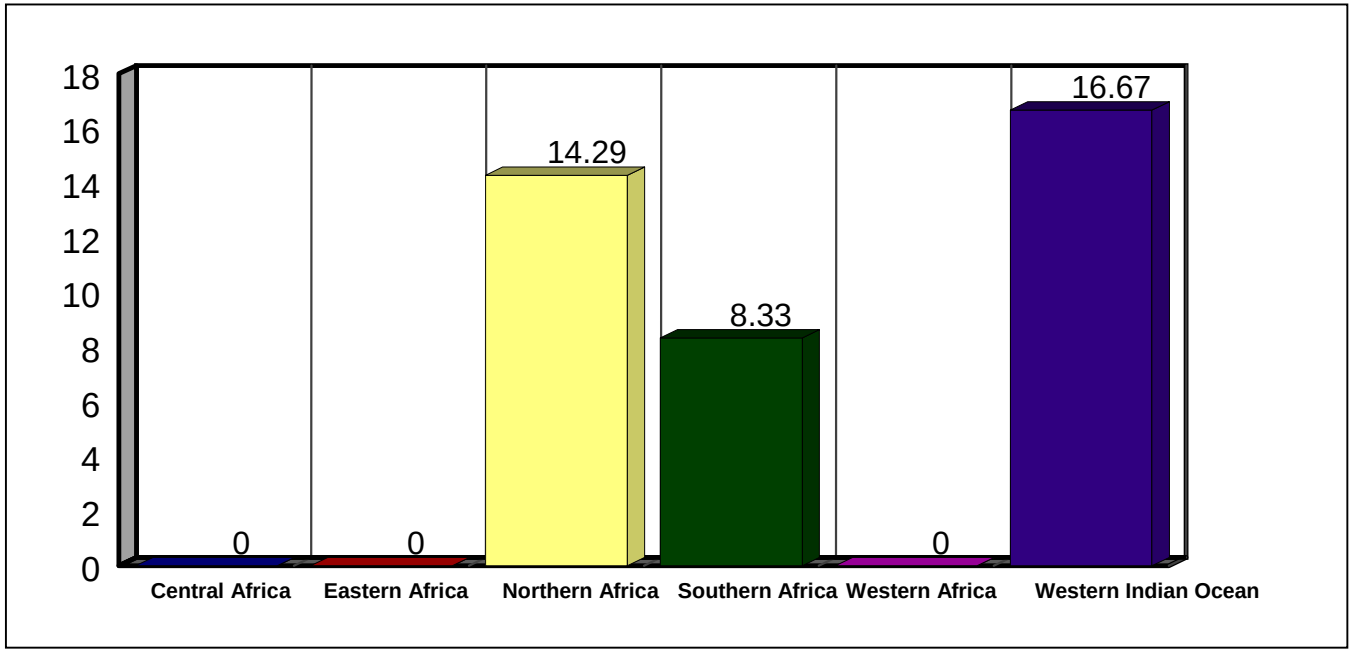
Sub-Region Name	No. Of Country		Number Of Non-Available Data	Of Data Gap %
Central Africa	8		8	100.00
Eastern Africa	8		8	100.00
Northern Africa	7		7	100.00
Southern Africa	12		12	100.00
Western Africa	16		16	100.00
Western Indian Ocean	6		6	100.00
Total	57		57	100.00



AEO-EIS, CEDARE, 2006

Population Within 100 Km Coast

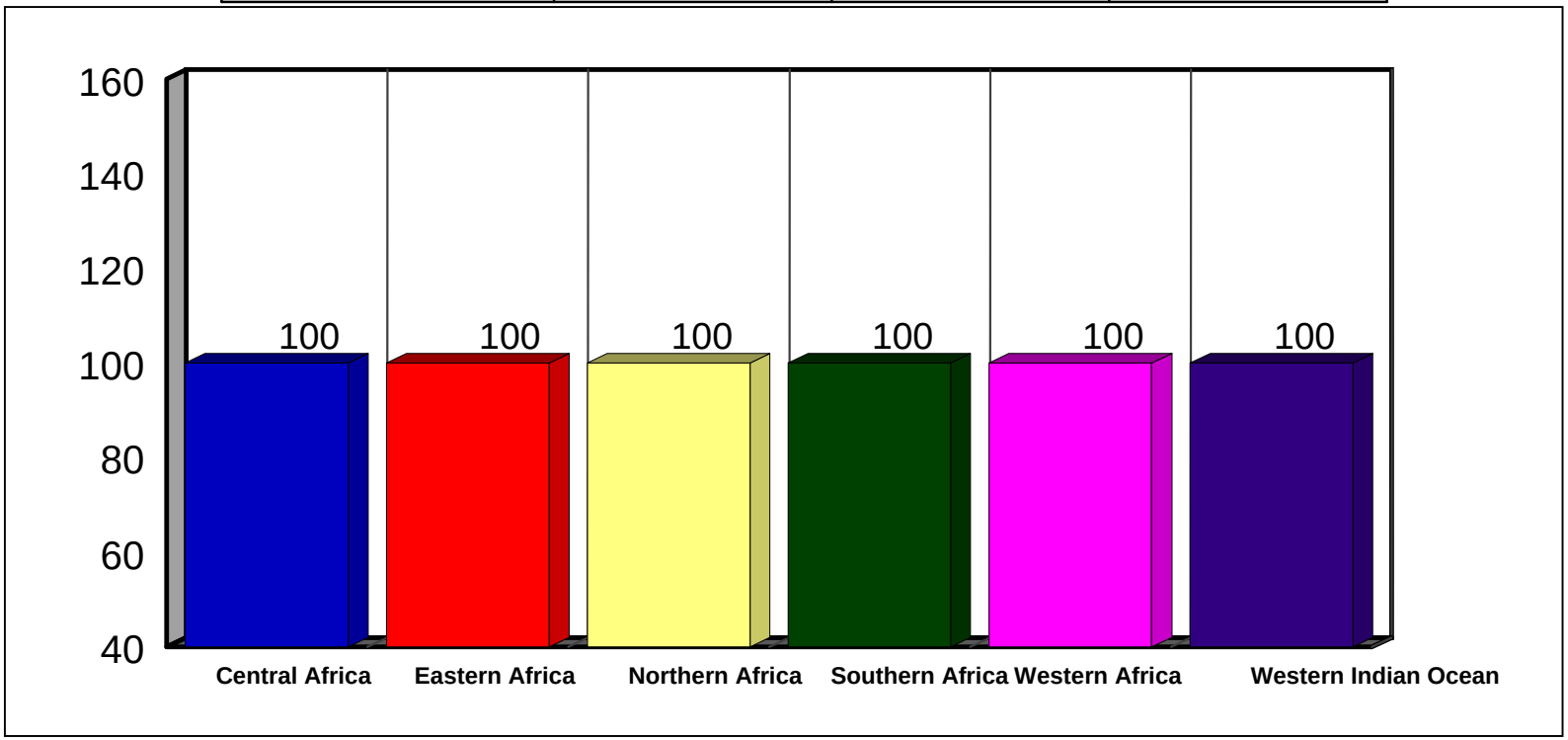
Sub-Region Name	No. Of Country	Number Of Non-Available Data	%Of Data Gap
Central Africa	8	0	0.00
Eastern Africa	8	0	0.00
Northern Africa	7	1	14.29
Southern Africa	12	1	8.33
Western Africa	16	0	0.00
Western Indian Ocean	6	1	16.67
Total	57	3	5.26



AEO-EIS, CEDARE, 2006

Mangroves Forest Extent - Total Area

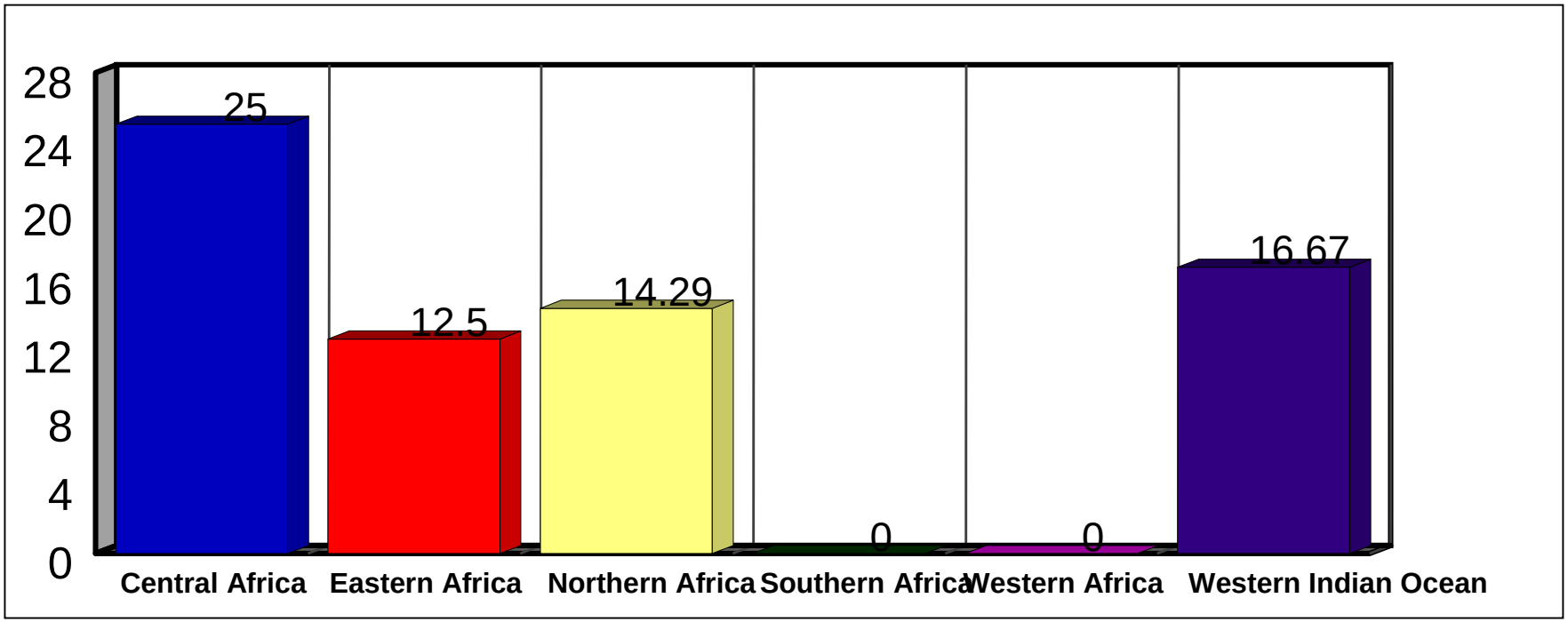
Sub-Region Name	No. Of Country	Number Of Non-Available Data	Of Data Gap %
Central Africa	8	8	100.00
Eastern Africa	8	8	100.00
Northern Africa	7	7	100.00
Southern Africa	12	12	100.00
Western Africa	16	16	100.00
Western Indian Ocean	6	6	100.00
Total	57	57	100.00



AEO-EIS, CEDARE, 2006

Forest Plantation Extent

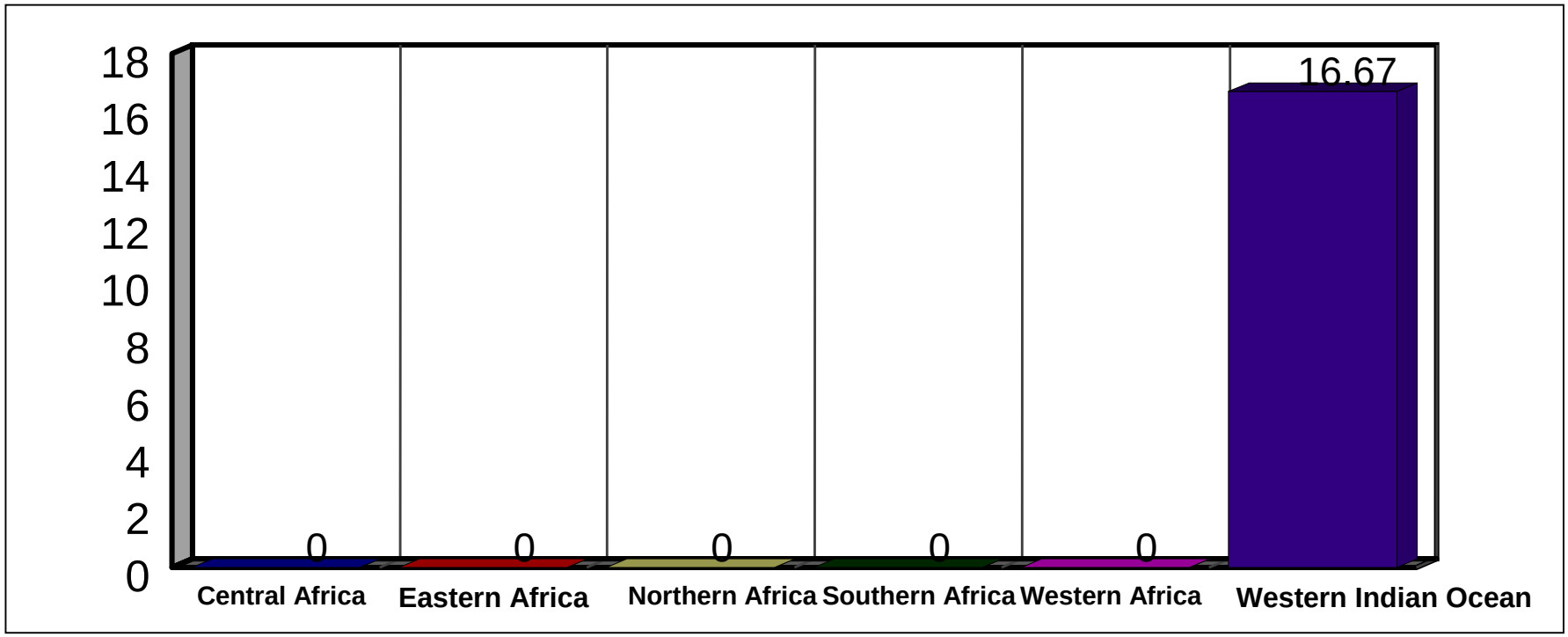
Sub-Region Name	No. Of Country		Number Of Non-Available Data	Of Data Gap %
Central Africa	8		2	25.00
Eastern Africa	8		1	12.50
Northern Africa	7		1	14.29
Southern Africa	12		0	0.00
Western Africa	16		0	0.00
Western Indian Ocean	6		1	16.67
Total	57		5	8.77



AEO-EIS, CEDARE, 2006

Arable and Permanent Crops - Total

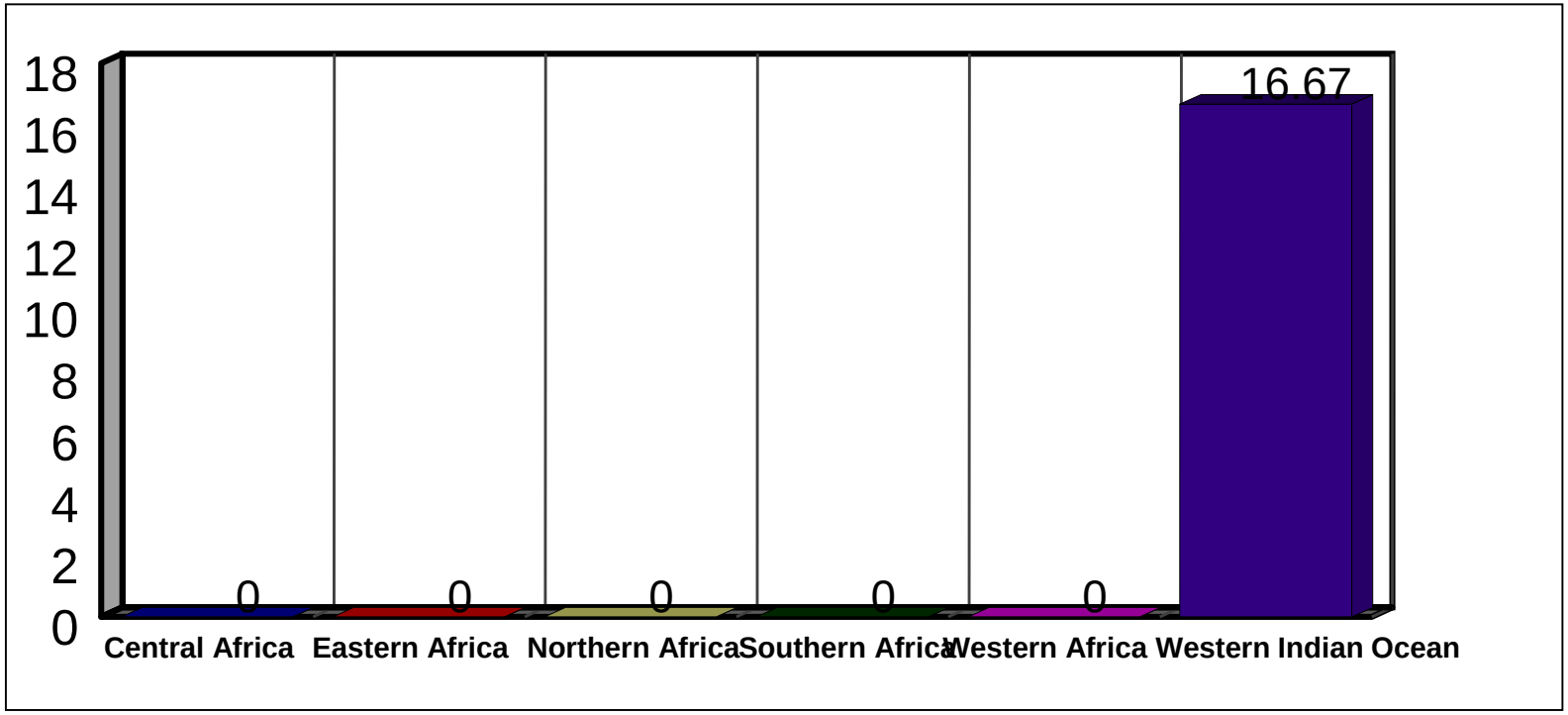
Sub-Region Name	No. Of Country	Number Of Non-Available Data	Of Data Gap %
Central Africa	8	0	0.00
Eastern Africa	8	0	0.00
Northern Africa	7	0	0.00
Southern Africa	12	0	0.00
Western Africa	16	0	0.00
Western Indian Ocean	6	1	16.67
Total	57	1	1.75



Data Source : FAOSTAT (Data as of July 2004)
AEO-EIS, CEDARE, 2006

Urban Population - Total (Projection)

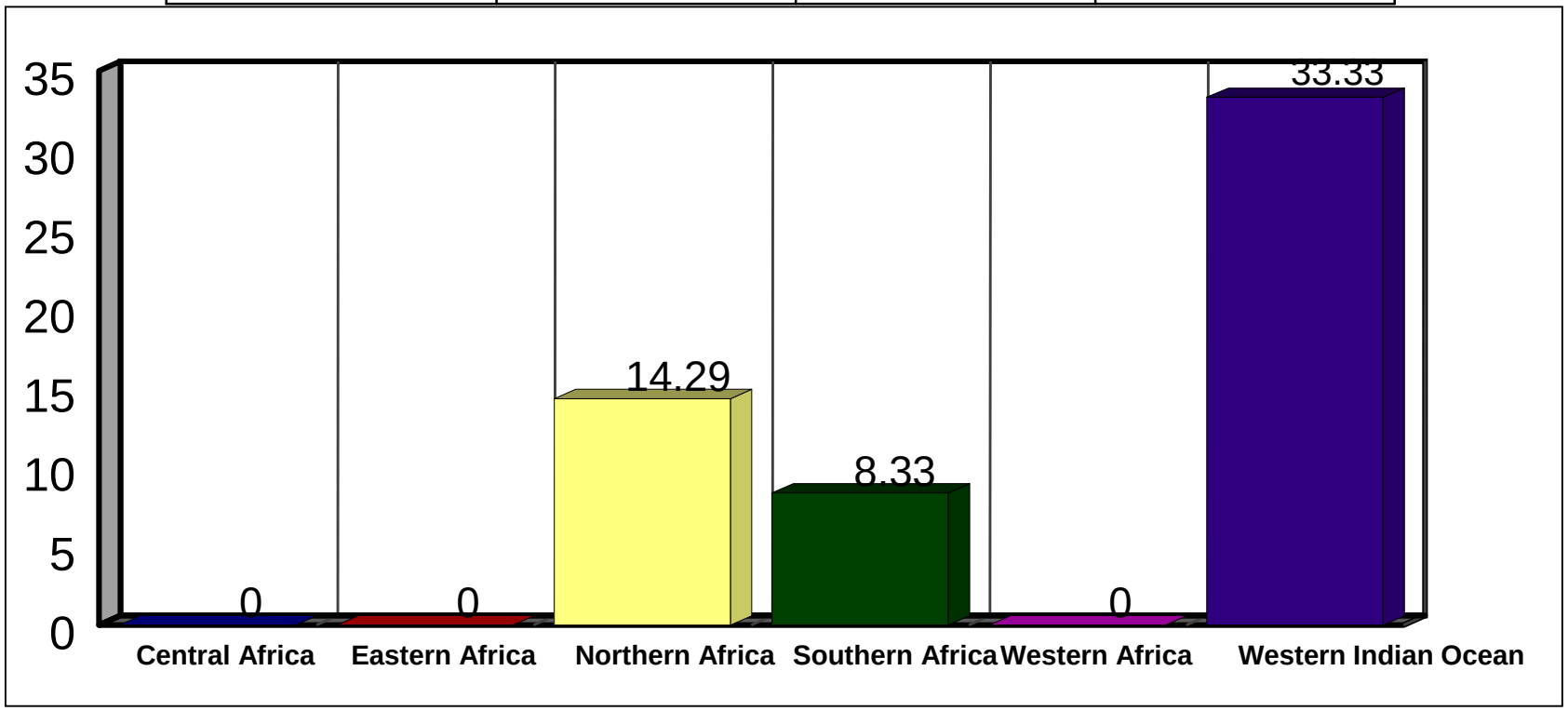
Sub-Region Name	No. Of Country	Number Of Non-Available Data	%Of Data Gap
Central Africa	8	0	0.00
Eastern Africa	8	0	0.00
Northern Africa	7	0	0.00
Southern Africa	12	0	0.00
Western Africa	16	0	0.00
Western Indian Ocean	6	1	16.67
Total	57	1	1.75



Data Source : World Urbanization Prospects: The 2003 Revision
AEO-EIS, CEDARE, 2006

Gross Domestic Product - Annual Percentage Growth Rate

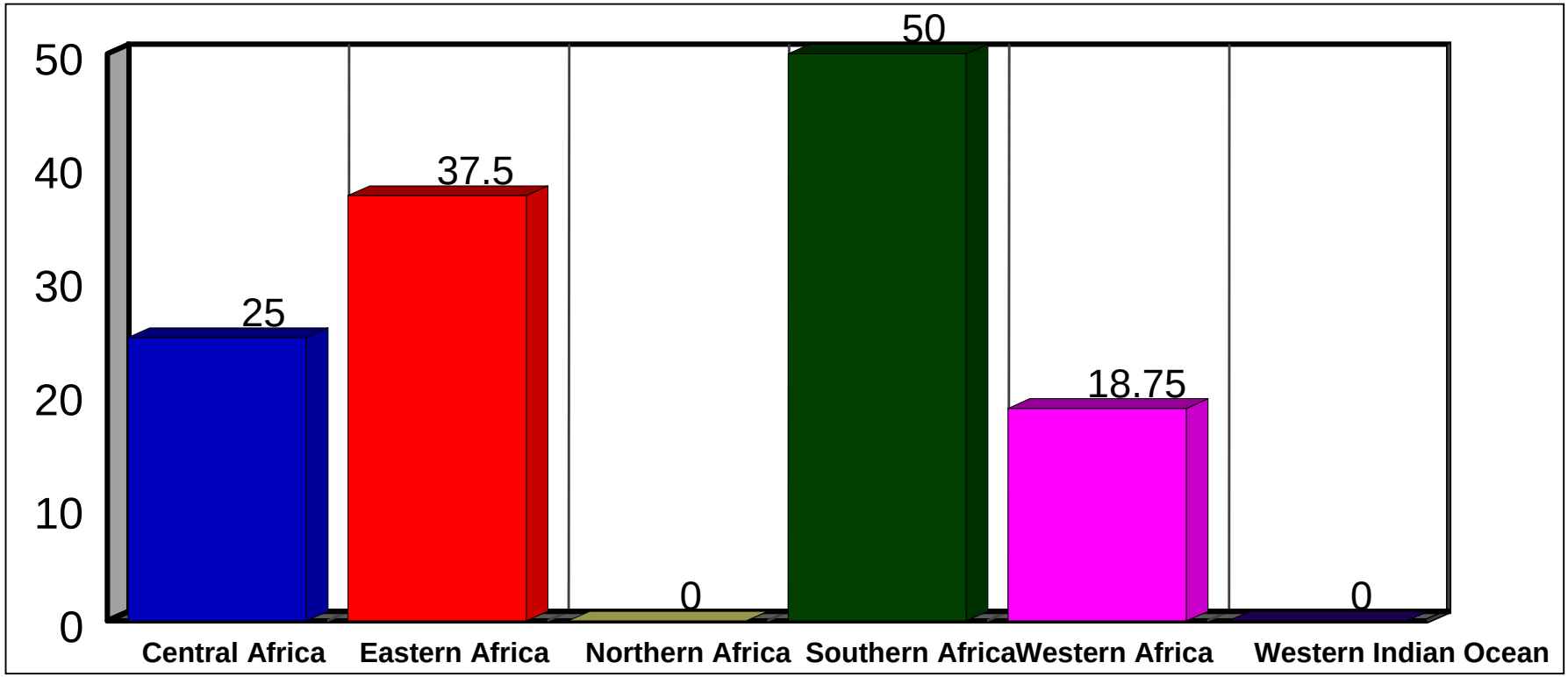
Sub-Region Name	No. Of Country	Number Of Non-Available Data	Of Data Gap %
Central Africa	8	0	0.00
Eastern Africa	8	0	0.00
Northern Africa	7	1	14.29
Southern Africa	12	1	8.33
Western Africa	16	0	0.00
Western Indian Ocean	6	2	33.33
Total	57	4	7.02



Data Source : World Development Indicators 2002
AEO-EIS, CEDARE, 2006

Fishery Production - Marine

Sub-Region Name	No. Of Country	Number Of Non-Available Data	%Of Data Gap
Central Africa	8	2	25.00
Eastern Africa	8	3	37.50
Northern Africa	7	0	0.00
Southern Africa	12	6	50.00
Western Africa	16	3	18.75
Western Indian Ocean	6	0	0.00
Total	57	14	24.56



Data Source : FAO Fisheries Department, Fishery Information, Data and Statistics UnitsAEO-EIS**,**
CEDARE, 2006

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Need for Environmental Information:

Environmental information is essential in the environmental decision making process in the following areas:

- Environmental Assessment
- Drawing Environmental Strategies
- Formulating Environmental Policies
- Environmental Planning
- Environmental Action Plans
- Environmental Management
- Public Awareness

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Types of data:

According to the Scale:

- Global Data
- Regional Data
- National data
- Sub-national data
- Hotspots

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Types of data:

According to the Format:

Statistical Data/Information:

- Statistical Information is the Knowledge pertaining to the collection, classification, analysis and interpretation of numerical data.

Spatial Data:

- Spatial data are collected from variety of sources including Satellite images/multi-spectral remote sensing, airborne data, ground geophysical surveys, geochemical data, hardcopy maps, GPS data.

- Source: GEMET (ISEP / RHW)

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Availability and accessibility:

- **Data Availability**: Data have been collected and available in one or several Institutions but might or might not be available to everyone.

- **Data Accessibility:** Data have been collected and available to everyone.

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Sources of Data:

- Monitoring programmes
- Remote sensing /mapping
- Statistical socio-economic surveys.
- Scientific Research

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Data Validation:

- Data need to be tested to decide whether it fulfills its requirements. Data have to be checked for correctness or for compliance with applicable standards, rules, and conventions. Validation is an important process to assess the level of accuracy and precision in terms of how realistic are the values of the presented data through thorough checking of its quality assurance and quality control (QA/QC) to ensure its reliability for its intended purpose. The objective of the validation process is to check whether the data collected by different monitoring systems are not affected by errors.

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Data comparison Study

- A Core Data Set Improvement and Comparative Study was requested by UNEP-DEWA to assess global and regional data sets used for DEWA reporting with the aim to harmonize and improve the data in cases where discrepancies and gaps existed

				National	Regional	International	
Morocco	Socio-Economic	Human Development	▪ Population growth rate		3.06 (02-03) 2.58 (85-95) 3.02 (95-03)	1.59 (95-00) 1.48 (00-05) 1.90 (80-00)	▪ LAS[72] ▪ UN[73] ▪ WRI Earth Trend[74]
	Land	Land degradation	▪ Total area affected by desertification (thousand sq. km.) ▪ Total land area (thousand sq. km.)	52.89[75] 710.85	456.00 710.85 447.00		▪ National Government, Census Bureau ▪ LAS ▪ ADB
	Forests and Woodlands/Biodiversity	Forest Losses	▪ Forest average annual change rate (per cent)		0.00[76]	0.00[77]	▪ WRI Earth Trend ▪ World Bank
		Protected Areas	▪ Total protected areas (number, percent of gross area)	21 (2002)	12, 0.8%[78] 34 (total) 13 (marine) 567 ha.[79] 1.2%[80]	25, 1.20%	▪ National Government, Census Bureau ▪ ADB ▪ BP ▪ WRI Earth Trends
	Freshwater	Freshwater resources	▪ Annual renewable water resources (BCM) ▪ ▪ Per capita water share/water use per capita (m^3)	13.54	14.27 29.00[81] 936.00[82]	29.00 436.00	▪ National Government, Census Bureau ▪ ADB ▪ WRI Earth

[72] Report published by the League of Arab States on the State of the Arab Economy, September 2004 (in Arabic)
[73] Annual average change for the years: 1995-2000, 2000-2005, UN Economic and Social Affairs, World Population Prospects: The 2004
[74], Earth Trends Environmental Information, http://earthtrends.wri.org/
[75] Thousand ha.
[76] 1990-2000
[77] Total, 1990-2000
[78] African Development Bank, African Development Report, 2005
[79] Protected areas, 2004, all categories (IUCN & national)
[80] Protected area as percentage of the national territory (marine and terrestrial), 2004

Country	Theme	Issue	Potential Data Variables	Values according to Source			Sources
				National	Regional	International	
Sudan	Socio-Economic	Human Development	▪ Population growth rate (per cent)	2.60	1.94 (02-03) 2.99 (85-95) 2.43 (95-03)	2.28 (95-00) 1.93 (00-05) 2.55 (2006) 0.80 (80-00)	▪ Central Statistics ▪ LAS[91] ▪ UN[92] ▪ WB/UNEP/FAO /ISRIC: GLASOD[93] ▪ WRI Earth Trend[94]
	Land	Land degradation	▪ Total area affected by desertification (thousand sq. km.) ▪ Total land area (thousand sq. km.)	1 259.44	725.00 2 506.00 2 505.81		▪ LAS ▪ ADB ▪ WB/UNEP/FAO /ISRIC: GLASOD[95]
	Forests and Woodlands/Biodiversity	Forest Losses	▪ Forest average annual change rate (per cent)	0.80		-13.00[96]	▪ WB/FAO: FAOSTAT, FRA/SOFO[97] ▪ WRI Earth Trend ▪ World Bank
		Protected Areas	▪ Total protected areas (number, per cent of gross area)	26, 3.45%	11, 3.50[98]	123.60 km^2, 5.2%	▪ ADB ▪ WB/IUCN/WCMC: Protected Areas Database[99] ▪ UNESCO

[89] African Development Bank, African Development Report, 2005
[90] 2000, measured in thousand metric tons of oil equivalent, which is defined as 10 Exp. 7 kilocalories or 41.868 gigajoules, equal to the amount contained in one metric ton of crude oil
[91] Report published by the League of Arab States on the State of the Arab Economy, September 2004 (in Arabic)
[92] Annual average change for the years: 1995-2000, 2000-2005, UN Economic and Social Affairs, World Population Prospects: The 2004 Revision.
[93] Osma-Elasha, Balgis and A. Halim, Mohamed Ali, National versus international indicators and Data Sets / Sudan Report, Background Paper, 2006
[94], Earth Trends Environmental Information, http://earthtrends.wri.org/
[95] Osma-Elasha, Balgis and A. Halim, Mohamed Ali, National versus international indicators and Data Sets / Sudan Report, Background Paper, 2006
[96] Total, 1990-2000
[97] Osma-Elasha, Balgis and A. Halim, Mohamed Ali, National versus international indicators and Data Sets / Sudan Report, Background Paper, 2006

Country	Theme	Issue	Potential Data Variables	Values according to Source			Sources
				National	Regional	International	
						27, 4.90	World Heritage List[100] ▪ WRI Earth Trends
	Freshwater	Freshwater resources	▪ Annual renewable water resources (BCM) ▪ Per capita water share/water use per capita (m^3)	30.00 4000.00[101] 3191.00[102]	65.00[103] 21.80 1 981.00[104] 543.00	30.00 845.00 921.00	▪ ADB ▪ LAS ▪ FAO and WRI[105]
		Water quality	▪ % of population with access to safe drinking water	53.00[106] 60.00[107]	75.00	69.00[108] 133.00	▪ LAS ▪ WB ▪ WRI ▪ ESI
	Atmosphere	Air Pollution	▪ NOx, SO_2 emissions (thousand metric tons) ▪ Annual concentrations of SO_2 in ambient air ▪ CO_2 (Mt CO_2)			NOx 592 SO_2 152 X 0.2 (2000)[109]	▪ WRI Earth Trends[110] ▪ World Bank
	Coastal and	Coastal &	▪ Human settlement within 100km of coast			3.00	▪ WRI Earth

98 African Development Bank, African Development Report, 2005
99 Osma-Elasha, Balgis and A. Halim, Mohamed Ali, National versus international indicators and Data Sets / Sudan Report, Background Paper, 2006
100 Osma-Elasha, Balgis and A. Halim, Mohamed Ali, National versus international indicators and Data Sets / Sudan Report, Background Paper, 2006
101 2004
102 1997
103 African Development Bank, African Development Report, 2005
104 African Development Bank, African Development Report, 2005
105 Osma-Elasha, Balgis and A. Halim, Mohamed Ali, National versus international indicators and Data Sets / Sudan Report, Background Paper, 2006
106 Date not available
107 2000
108 2004
109 CO2 emission (metric ton per capita)
110 1995

C	D	E	F	G	H	L
		values according to different international sources				deviation as
Indicator	**Country**	**GEO Data P**	**WRI**	**WDI**	**WDR**	**% of mean**
	Algeria	1.51	1.51	1.5	1.9	12.26%
Population avg. annual % growth	Egypt	1.91	1.91	1.9	1.9	0.30%
	Rwanda	115.54	118	118	indicator	1.21%
Infant mortality rate per 1000 births	Congo	72.32	81	81	not listed	6.42%
	Central African Republic	175.83	193		180	4.90%
Under 5 mortality rate (deaths per thousand births)	Guinea	165.59	155	indicator not listed	165	3.68%
	Burkina Faso	3.9	3.9	country not listed	4.2	4.33%
GDP annual % growth	Kenya	4.3	4.3	2.4	1.8	40.42%
	Namibia	4702.2	3948	3900	3800	10.14%
GNI (million current US$) 2003	Djibouti	665.9	668	640	country not l	2.37%
net loss in total forest area 1990-2000 (thousands of	Sudan	5890	5890	9589	indicator	29.98%
ha)	Gabon	100	101	101	not listed	0.57%
	Tanzania	listed only	374280	263300	indicator	24.62%
Size of protected area (km2)	Botswana	at regional	174910	104800	not listed	35.45%
	Senegal	and sub-	11.00%	11.60%	indicator	3.75%
% of total land area	Sierra Leone	regional	4.50%	2.10%	not listed	51.43%
Total internal renewable freshwater resources (billion	Zambia	80.2	80.2	80	indicator	0.14%
cubic meters/cubic km)	Ethiopia	110	122	110	not listed	6.08%
	Tunisia	427	410.9	404	indicator	2.85%
per capita flow (cubic meters)	Somalia	633	706.2	623.3	not listed	6.93%
	Nigeria	data	8.01	3.6	indicator	53.72%
annual withdrawal (billion cu. meters/ cu. km)	Cote d'Ivoire	unavailable	0.93	0.7	not listed	19.96%
% population with access to improved water source:	Mozambique	indicator	72%	76%	indicator	3.82%
urban	Niger	not listed	80%	80%	not listed	0.00%
% population with access to improved water source:	Gambia	indicator	77%	77%	indicator	0.00%
rural	Benin	not listed	57%	60%	not listed	3.63%
	Uganda	1197	147.3	indicator not	indicator	110.43%
emissions of NOx (gigagrams/thousand metric tons)	Togo	17	42.9	listed	not listed	61.15%
	Libya	data	36448	indicator not	57125	31.25%
CO2 emissions (thousand metric tons)	Comoros	unavailable	70	listed	81	10.30%

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Data comparison Study

- Environmental data collection is not a priority;
- Data is responsive to the needs of those who collect and analyze it;
- Time series and historical data are often unavailable;
- Much of the data is outdated;
- Data estimations and projections are done with models;
- There is a lack of metadata;
- There is poor data dissemination; and
- The institutional capacity for data collection is lacking.

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Data comparison Study

- There are differences in the units used in measurement;
- The definition of indicators can vary;
- There are large discrepancies in the time and frequency of data collection;
- Different sources of data generation produce different results;
- There is a lack of coordination between the various organizations; and still
- Some inconsistencies are seemingly inexplicable.

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AEIN Activities

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AFRICA ENVIRONMENT INFORMATION NETWORK

ASSESSMENT OF INFORMATION MANAGEMENT CAPACITY AND DATA RESOURCES

Inventory Questionnaire Part I:

NETWORKING AND INFORMATION MANAGEMENT CAPACITY

Section 1: Contact Details

Section 2: Networking and Partnership

Liste des indicateurs

1. TAUX DE CROISSANCE DE LA POPULATION
2. INDICE SYNTHETIQUE DE FECONDITE
3. TAUX DE LA POPULATION VIVANT EN DESSOUS DU SEUIL DE PAUVRETE
4. NOMBRE DE FEMMES ACTIVES DANS LA POPULATION POUR CENT HOMMES ACTIFS
5. TAUX D'EMPLOI
6. TAUX D'ANALPHABETISME
7. TAUX DE SCOLARISATION
8. PART DES DEPENSES ALLOUEES A LA FORMATION PROFESSIONNELLE
9. DEPENSES DE L'ETAT POUR L'EDUCATION
10. DEPENSES PUBLIQUES POUR LA CONSERVATION ET LA MISE EN VALEUR DU PATRIMOINE HISTORIQUE ET CULTUREL
11. ESPERANCE DE VIE A LA NAISSANCE
12. MORTALITE INFANTILE POUR 1000 NAISSANCES VIVANTES
13. ACCES A L'EAU POTABLE
14. MORTALITE MATERNELLE POUR 100.000 NAISSANCES
15. TAUX DE MORTALITE DUE AUX MALADIES HYDRIQUES ET INFECTIEUSES
16. CONSOMMATION ENERGETIQUE ANNUELLE PAR HABITANT

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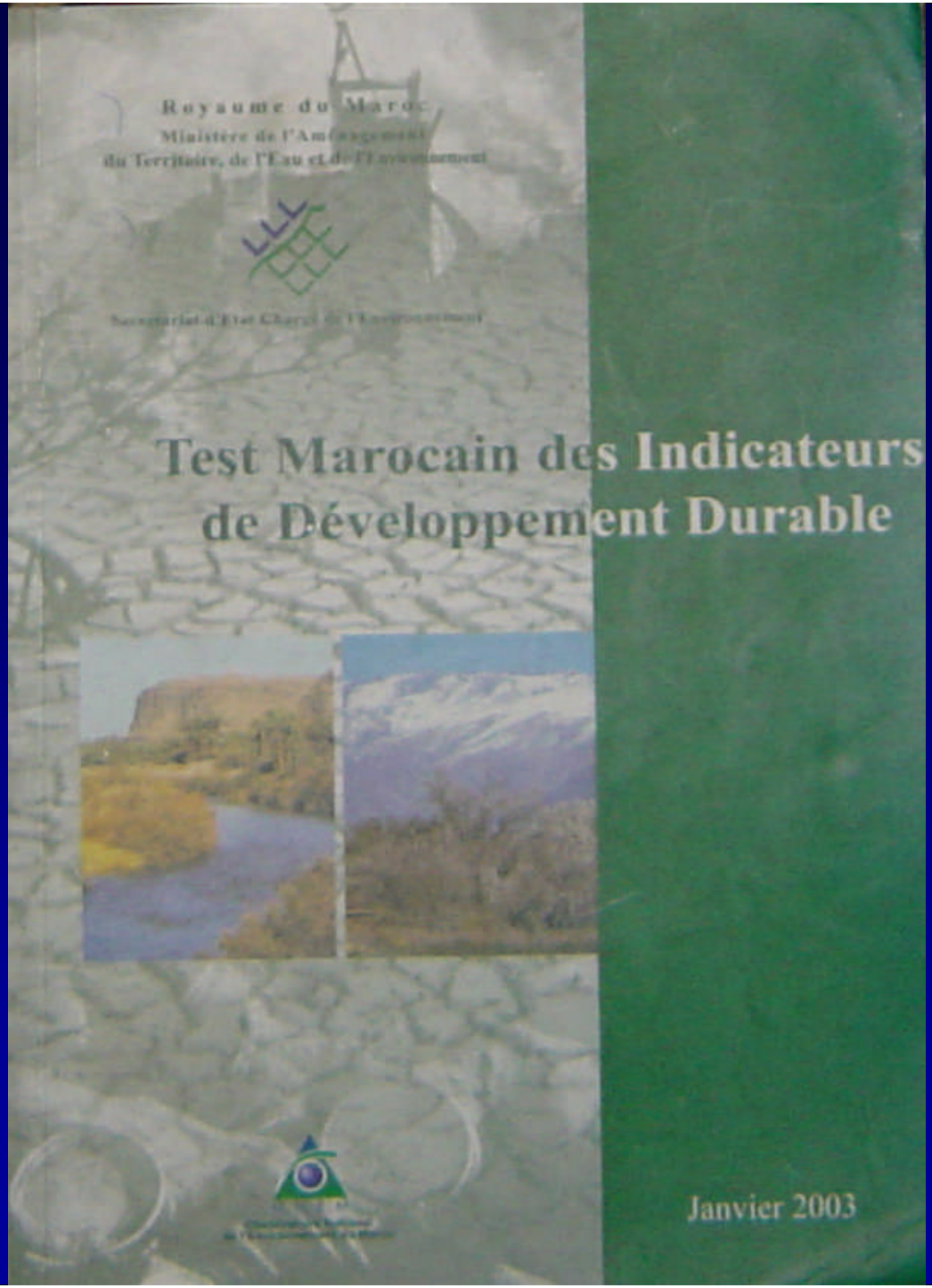

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ALGERIA

AFRICA ENVIRONMENT INFORMATION NETWORK

ASSESSMENT OF INFORMATION MANAGEMENT CAPACITY AND DATA RESOURCES

Introductory Questionnaire Part 1:

NETWORKING AND INFORMATION MANAGEMENT CAPACITY

Section 1: Contact Details

1. Name of person completing questionnaire: EMBAREK Khadidja / ZADDEM MAMOUN
2. Tel: 213 21 43 28 68 / 213 21 63 00 63
3. Email: m_zaddem@hotmail.com / onedd_dz@hotmail.com
4. Name of organisation: Ministère de l'aménagement du Territoire de l'environnement
5. Full physical address: (Observatoire National de l'environnement et de Développement durable : ONEDD)
6. Full postal address: 11, rue Mohamed Taqiut - Bab El Oued - Alger
7. Fax: 213 21 96 74 23
8. Email: onedd_dz@hotmail.com
9. Fax: 213 21 96 74 23 / 213 21 93 38 22
10. Website: www.mate-dz.org
11. Head of organisation: Mr Slimani Bachir (Directeur général)
12. Designation: Directeur General
13. Direct tel. no.: 213 21 96 74 01
14. Email: bachir_slimani04@hotmail.com

Section 2: Networking and Partnerships

1. What are the main organisations you work with or would like to work with?
   - Provide current and pertinent data on environment
   - Expertise et Conseils
2. What are the main benefits you expect from networking?
   - Structure des bases de données mises en place
   - Données et informations disponibles
   - Assistance matérielle et financière

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Sources of Data Algeria

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- ✓ Regional inspections
- ✓ Wilayate directions
- ❑ Scientific and technical institutions
- ✓ ONEDD
- ✓ CNFE
- ✓ AND
- ✓ CRDB
- ✓ CNTPP
- ✓ CNADD
- ✓ CRAT
- ✓ ADE
- ✓ ONAS
- ✓ CNL
- ✓ CL
- ✓ CCC
- ✓ ANRB
- ✓ DRM
- ✓ ANCC
- ✓ CNDD

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République Algérienne Démocratique et Populaire
Ministère de l'Aménagement du Territoire
et de l'Environnement

Rapport sur l'état et l'avenir de l'environnement

2

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Annex 2 Tunis FINAL DRAFT, Version 2.1

AFRICA ENVIRONMENT INFORMATION NETWORK

ASSESSMENT OF INFORMATION MANAGEMENT CAPACITY AND DATA RESOURCES

Inventory Questionnaire Part 1: NETWORKING AND INFORMATION MANAGEMENT CAPACITY

This questionnaire is part of an assessment of the status of environmental information management and networking capacity in Africa. It will serve as the basis for establishing a comprehensive inventory on environmental information resources as part of the development of a data foundation in support of environmental reporting processes. Your responses to the questions below will assist in establishing the current status of environmental information networking in your country, and the needs that have to be addressed in order to make environmental information management and networking more functional and efficient in your country, within the framework of the Africa Environment Information Network (AEIN).

One copy of this form should be completed per organization or unit within the organization as may be appropriate.

Section 1: Contact Details

1. *Name of person completing questionnaire:* Nour SOUSSI
2. *Tel (Country-City-Number):* 216 71 950 780 3. *Email:* oted@anpe.nat.tn
4. *Name of organisation:* Agence National de Protection de l'Environnement 5. *Acronym:* ANPE
6. *Full physical address:*
7. *Full postal address:* 12, Rue du Cameroun, 1002 Tunis
8. *Tel (Country-City-Number):* 216 71 847 122 9. *Fax (Country-City-Number):* 216 71 848 069
10. *Email:* anpe@anpe.nat.tn 11. *Web site:*
12. *Head of organisation:(Prof./Dr./Mr./Mrs./Ms.)* Mr. Abdelrahman GANNOUN
13. *Designation:* Directeur Général
14. *Direct Tel. No. (Country-City-Number):* 216 71 860 221 15. *Email:* anpe.DG@anpe.nat.tn

Section 2: Networking and Partnerships

1. *How could your organisation contribute most effectively to AEIN?*

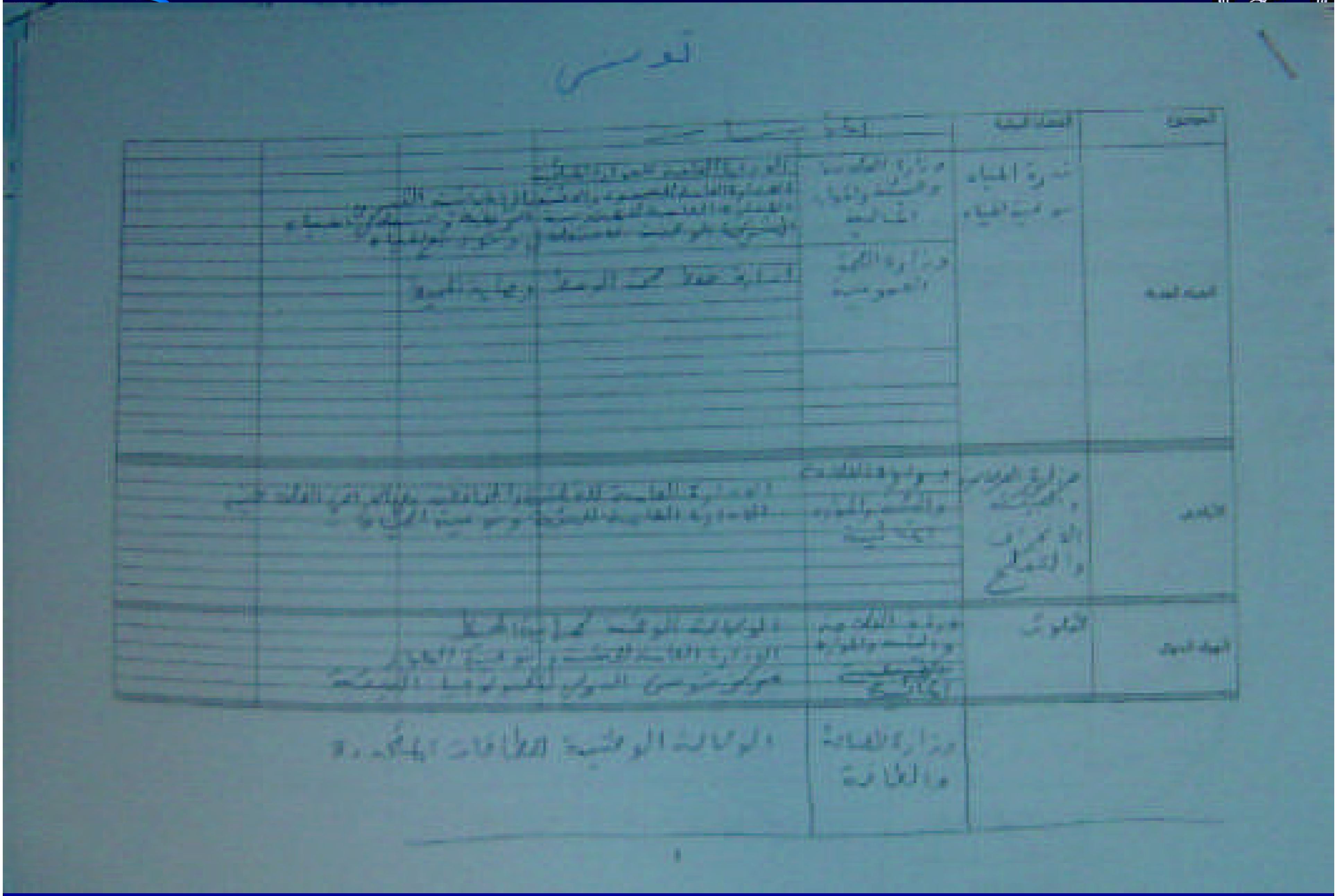
→ Mise à la disposition des pays africains l'expérience de la Tunisie en ce qui concerne l'élaboration de l'état de l'environnement la détermination des indicateurs, leur calcul et leur analyse et la mise en place de observatoires régionaux.

2. *What are the three key things that you would expect from AEIN?*

a) faciliter l'échange d'information entre les pays africains environnementales

b) échange des expériences entre pays, y relatives à la résolution des problèmes environnementales

c) identifier les possibilités et les modalités de coopération entre les pays (réalisation de projets communs)



تونس

[illegible]	[illegible]	[illegible]	[illegible]			
[illegible]	[illegible]	[illegible]	[illegible]			
		وزارة الصحة العمومية	[illegible]			
[illegible]	[illegible]	[illegible]	[illegible]			
[illegible]	التلوث	[illegible]	الوكالة الوطنية لحماية المحيط [illegible] [illegible]			
		وزارة الصناعة والطاقة	الوكالة الوطنية للطاقات المتجددة			

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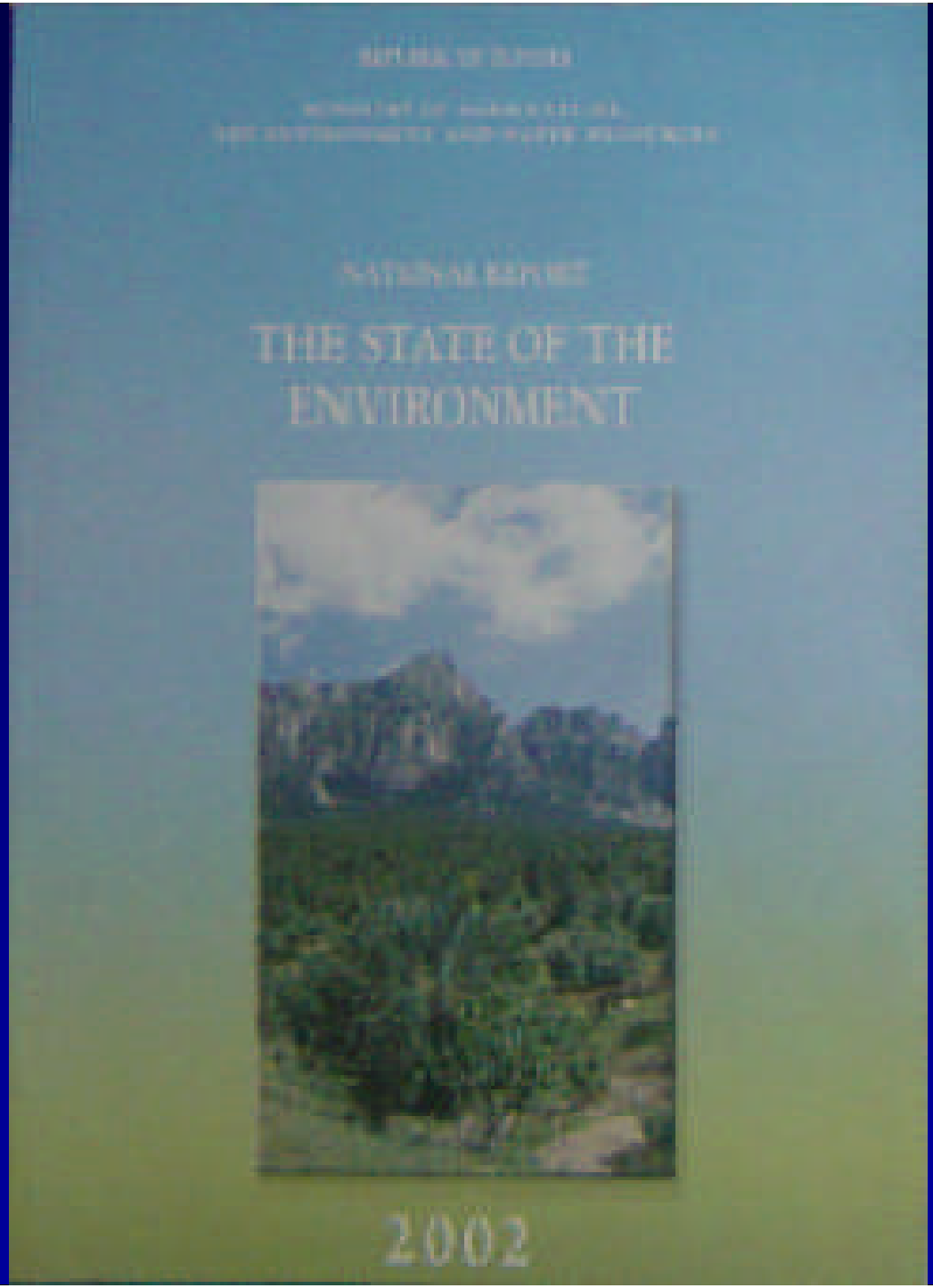
KMP

Information for Decisions



CEDARE

Knowledge Management Programme

KMP

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6. ***Your organisation may also share other resources, for example expertise and facilities. Provide details of the most important of these as follows:***

Organisation	Nature of cooperation	Formal agreement/MoU
a) Ministry Of Agriculture And Land Reclamation	Expertise	☐ yes ✓ no
b) Information And Decision Support Center (IDSC)	Facilities	✓ yes ☐ no
c) Ministry of communication and information technology	Expertise	✓ yes ☐ no
d) CEDARE	Facilities	✓ yes ☐ no
e) CAPMAS	Facilities	☐ yes ✓ no

7. ***Please provide details of any partnerships that are being planned in the near future:***

Organisation	Proposed cooperation
a) National authority for remote sensing and space sciences	Training and purchasing satellite images
b) UNDP	To design a web site to enhance environmental knowledge for undergraduate students

Section 3: Institutional Description

1. ***Which of the following best describes your organisation (tick all that may apply)?***

✓ Governmental ☐ Local authority

☐ Semi-governmental ☐ Private

☐ Academic ☐ Research

1. **Ministry of Agriculture**

Ibrahim Labib Mekail

2. **Ministry of Education**

Samira Ali Yehia

Hamdy El Mihy

3. **Ministry of Higher Education**

Hussein Soubhy Hussein

Ehab Hassan Abou El Soud

Ministry of Health And Population

Mohamed Essam Shaban

Wageh Shehata

4. **Ministry of Housing, Utilities And New Urban Communities**

Hisham Hassn Badran

Hanaa Hassan Morsy

5. **Ministry of Manpower And Immigration**

Hassan Sayed Ali

Mohamed Abdel Fattah

6. **Ministry of Economy And Foreign Trade**

Hedayat Henry Faltas

7. **Minister of Public Enterprises**

Abdel Ghafar Allaithy

Alaa Sabet

8. **Ministry of Tourism**

Gamal Taha Abou Elala

Laila Mohamed Habib

9. **Ministry of Information**

Taimour Anwar Goher

Mohamed Khalaf Alla

10. **Ministry of Transportation**

Mohamed Abdel Sabour El Sayed

Laila El Zahiry

11. **Ministry of Electricity And Energy**

Mona Tawfik

12. **Ministry of Planning And International Co-Operation**

Abdel Moneim Mohamed Gad

13. **Ministry of Local Development**

Samir Ghareeb

14. **Hazard Mitigation Center (Cairo University)**

Hisham Mohamed El Araby

Mohamed Ibrahim EL Anbaawy

15. **Institute of Environmental Studies And Research (Ain Shams University)**

Abdel Kawi Kalifa

Mohamed Nasr Farid

Coordination, Climate Change Unit

Ahmed Abd Rabou Mohsen

Knowledge Mar

Informatic

16. Egyptian Environmental Affairs Agency

Michael Smith

Hanaa El Gohary (SEAM)

Magdy Ahmed Allam

Saed Arafa (IDSC)

Ahmed Mohamed El Tawansy (IDSC)

Mohamed Gaber Mohamed (IDSC)

Mousa Ibrahim (ICC)

Moheeb Abdel Sattar Ibrahim (ICC)

Ibrahim Khalil Hamza

Tarek Eid (EHSIMS)

Hebtalla Fathy Ahmed (EIMP)

Ahmed Aboul El Soeud (EIMP)

Mouneir Wahba (CAIP)

Ekhlass Gaml El Din (CAIP)

Alyaa Fouad (SDI)

Manal Hussein (SDI)

Ahmed El Kholy (NEAP)

17. Nature Conservation Sector

Waheed Salama Hameid

Taher Ahmed Issa

18. **Arab Office For Youth And Environment**

Lamiaa Magdy

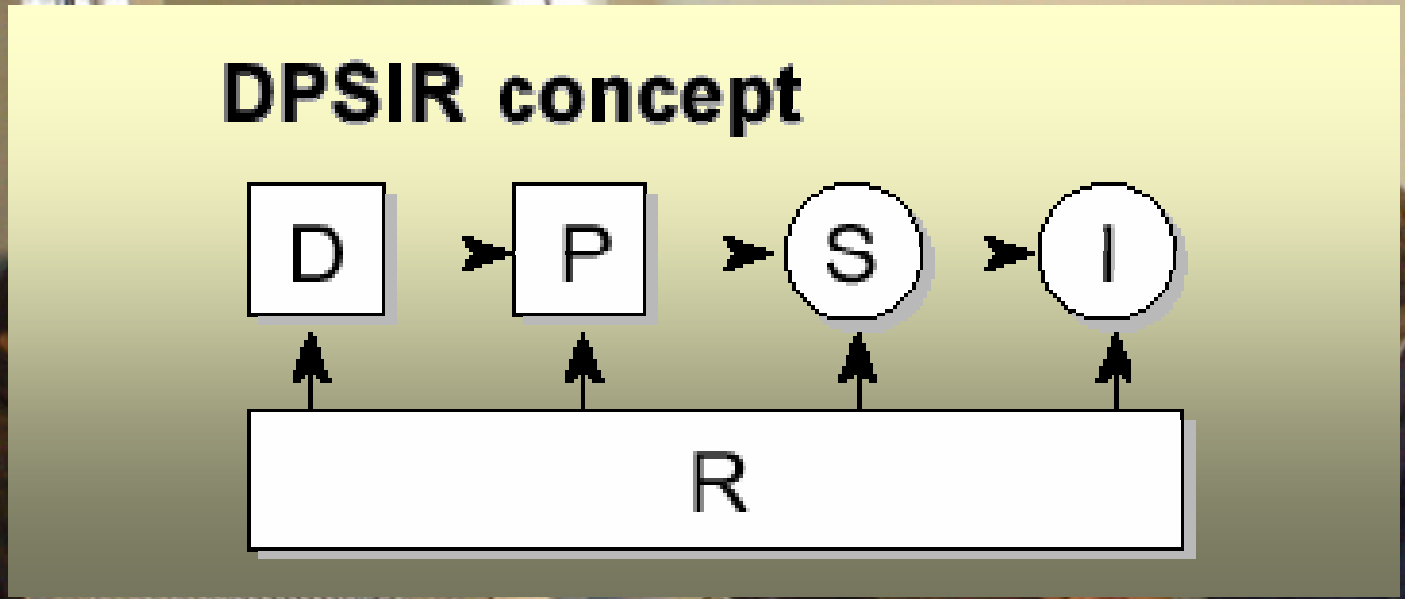
Emad Adly

19. Ozone Unit

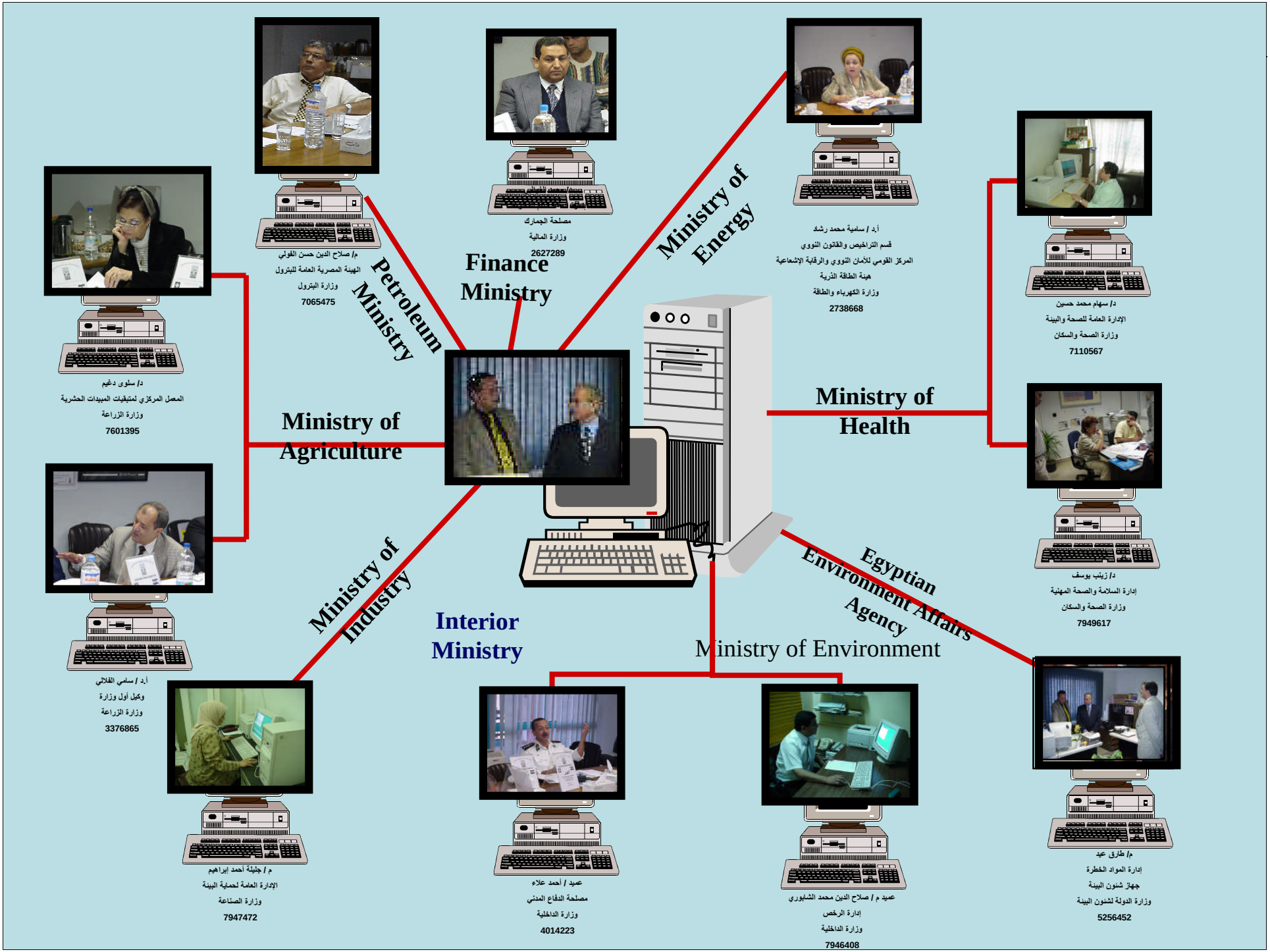
Salwa El Tayeb

20. Environics

CEDARE



EU European Union (DPSIR)
OECD Organisation for Economic Co-operation and Development (PSR)
UNCSD United Nations Commission for Sustainable Development (DSR)
World Bank (DSR)
UNEP United Nations Environment Programme (DPSIR)


Petroleum Ministry
م/ صلاح الدين حسن الفولي
الهيئة المصرية العامة للبترول
وزارة البترول
7065475
Finance Ministry
مصلحة الجمارك
وزارة المالية
2627289
Ministry of Energy
أ.د / سامية محمد رشاد
قسم التراخيص والقانون النووي
المركز القومي للأمان النووي والرقابة الإشعاعية
هيئة الطاقة الذرية
وزارة الكهرباء والطاقة
2738668
د/ سلوى دغيم
المعمل المركزي لمتبقيات المبيدات الحشرية
وزارة الزراعة
7601395
Ministry of Agriculture
Ministry of Health
د/ سهام محمد حسين
الإدارة العامة للصحة والبيئة
وزارة الصحة والسكان
7110567
د/ زينب يوسف
إدارة السلامة والصحة المهنية
وزارة الصحة والسكان
7949617
أ.د / سامي الفلالي
وكيل أول وزارة
وزارة الزراعة
3376865
Ministry of Industry
Interior Ministry
Egyptian Environment Affairs Agency
Ministry of Environment
م / جليلة أحمد إبراهيم
الإدارة العامة لحماية البيئة
وزارة الصناعة
7947472
عميد / أحمد علاء
مصلحة الدفاع المدني
وزارة الداخلية
4014223
عميد م / صلاح الدين محمد الشابوري
إدارة الرخص
وزارة الداخلية
7946408
م/ طارق عيد
إدارة المواد الخطرة
جهاز شئون البيئة
وزارة الدولة لشئون البيئة
5256452

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KMP

Information for Decisions

CEDARE

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اللغة
أسم المستخدم
كلمة المرور
Arabic
admin
موافق
ألغاء

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UNEP

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Country [Show]

Theme, issues and indicator type [Show]

Indicator [Hide]

Indicator		Selected
Agricultural Area	>	
Agricultural Area - Percent of Land Area	<	
Agricultural Production Index Base 1999-2001 - per C	>>	
Agricultural Production Index Base 1999-2001 - Total	<<	
Agriculture Value Added - Percent of GDP		
Aid Dependency Ratios - Percent of Central Governn		
Alternative Conversion Factor (Exchange Rate)		

Next

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Country [Hide]

Country		Selected
Algeria Egypt Libyan Arab Jamahiriya Morocco Sudan Tunisia	> < >> <<	

Theme, issues and indicator type [Hide]

Theme		Selected
Atmosphere Biodiversity Coastal and Marine Areas Energy Forests Freshwater Human Health	> < >> <<	

Issues		Selected

Done

Internet

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Next

Country [Hide]

Country		Selected
Egypt Libyan Arab Jamahiriya Morocco Sudan Tunisia	> < >> <<	Algeria

Theme, issues and indicator type [Hide]

Theme		Selected
Atmosphere Biodiversity Energy Forests Freshwater Human Health Human Settlements (Urban areas/ Rural areas)	> < >> <<	Coastal and Marine Areas

Issues		Selected
Coastal erosion/ sedimentation Loss of habitat	> < >> <<	Uncontrolled urbanization of coastal zones

Indicator Type		Selected
Driving Force Impact Pressure Response	> <	

Issues		Selected
Coastal erosion/ sedimentation Loss of habitat	> < >> <<	Uncontrolled urbanization of coastal zones

Indicator Type		Selected
Driving Force Impact Pressure Response Impact Pressure Response State	> < > < >> <<	

Indicator [Hide]

Indicator		Selected
Population Within 100 Km of Coast	> < >> <<	

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Indicator		Value	From	To	Interval	Data Source
Population Within 100 Km of Coast			1995	1995		Gridded Population of the World (GPW

Back Next

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All Selected Unselected Back Next

Country	Indicator	Year	Value	Select
Algeria	Population Within 100 Km of Coast (Percent)	1995	68.8	☐

All Selected Unselected Back Next





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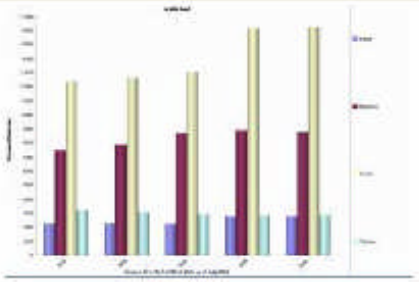
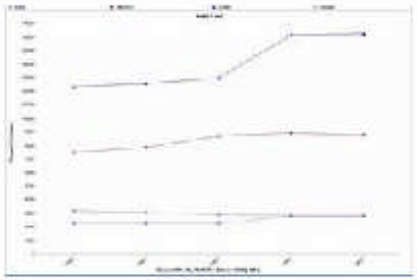


Country Bar Chart



Country Line Chart

Country Pie Chart

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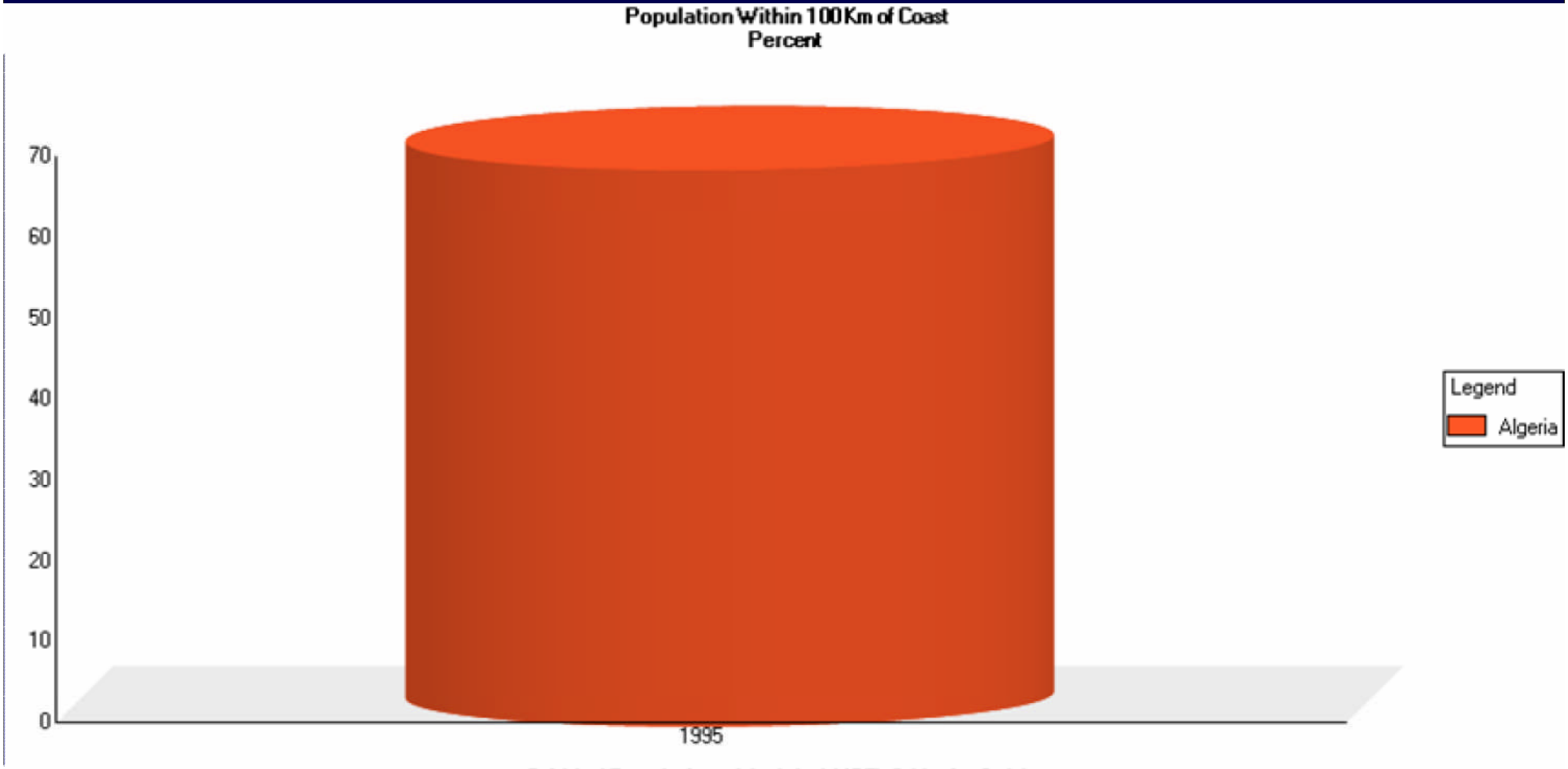

Gridded Population of the World (GPW), Version 2 alpha
AEO-EIS

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UNEP

AEO – Environment Information System (AEO-EIS)

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Country

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Theme, issues and indicator type [Hide]

Theme

Atmosphere
Biodiversity
Energy
Forests
Freshwater
Human Health
Human Settlements (Urban areas/ Rural areas)

> < >> <<

Selected

Coastal and Marine Areas

Issues

Coastal erosion/ sedimentation

Selected

Uncontrolled urbanization of coastal zones

Done Internet

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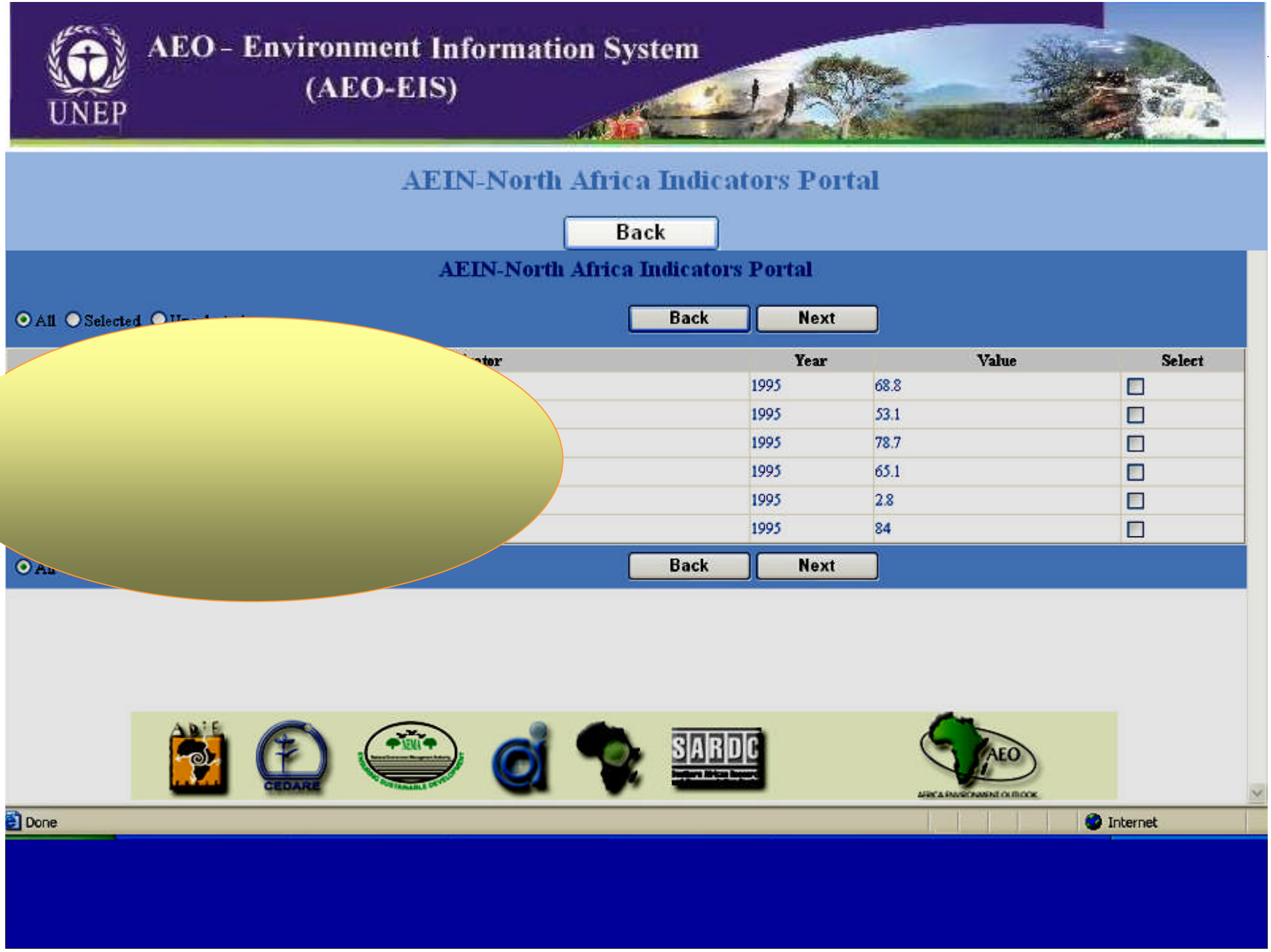
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AEO - Environment Information System
(AEO-EIS)
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All
Selected
Back
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Year
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68.8
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1995
78.7
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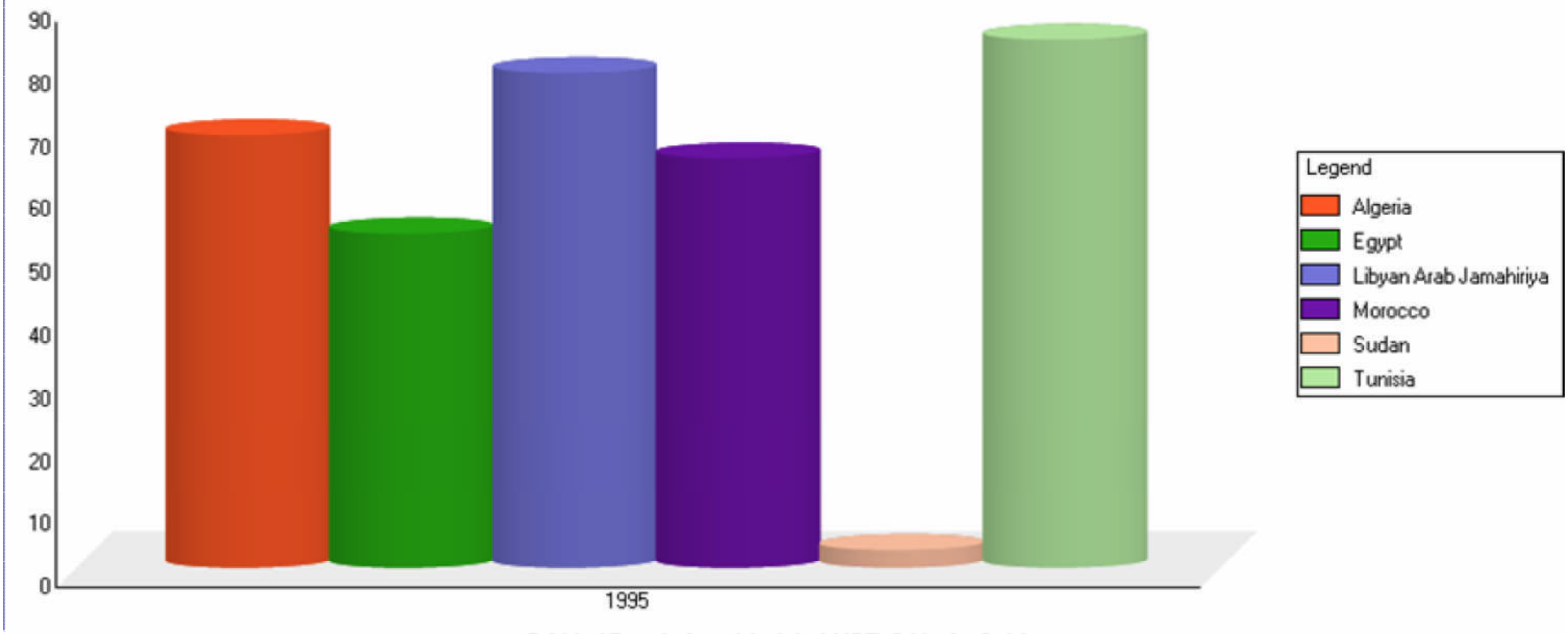

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Country Datasheet

Date: 30/09/2006

Country	Theme	Envire Issue	Indicator	Year		Value	Source
Algeria	Coastal and Marine Areas	Uncontrolled urbanization of coastal zones	Population Within 100 Km of Coast (Percent)	1995	1995	68.8	Gridded Population of the World (GPW), Version 2 alpha
Egypt	Coastal and Marine Areas	Uncontrolled urbanization of coastal zones	Population Within 100 Km of Coast (Percent)	1995	1995	53.1	Gridded Population of the World (GPW), Version 2 alpha
Libyan Arab Jamahiriya	Coastal and Marine Areas	Uncontrolled urbanization of coastal zones	Population Within 100 Km of Coast (Percent)	1995	1995	78.7	Gridded Population of the World (GPW), Version 2 alpha
Morocco	Coastal and Marine Areas	Uncontrolled urbanization of coastal zones	Population Within 100 Km of Coast (Percent)	1995	1995	65.1	Gridded Population of the World (GPW), Version 2 alpha
Sudan	Coastal and Marine Areas	Uncontrolled urbanization of coastal zones	Population Within 100 Km of Coast (Percent)	1995	1995	2.8	Gridded Population of the World (GPW), Version 2 alpha
Tunisia	Coastal and Marine Areas	Uncontrolled urbanization of coastal zones	Population Within 100 Km of Coast (Percent)	1995	1995	84	Gridded Population of the World (GPW), Version 2 alpha

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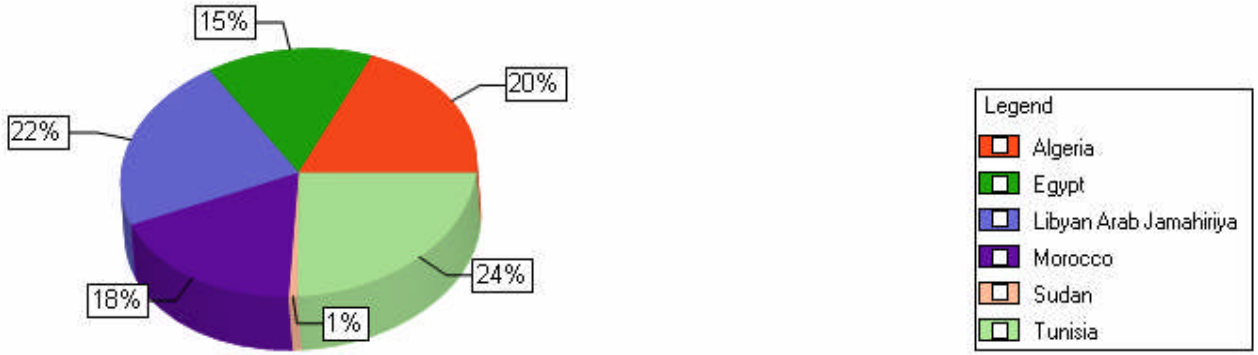
Population Within 100 Km of Coast
Percent
Year 1995



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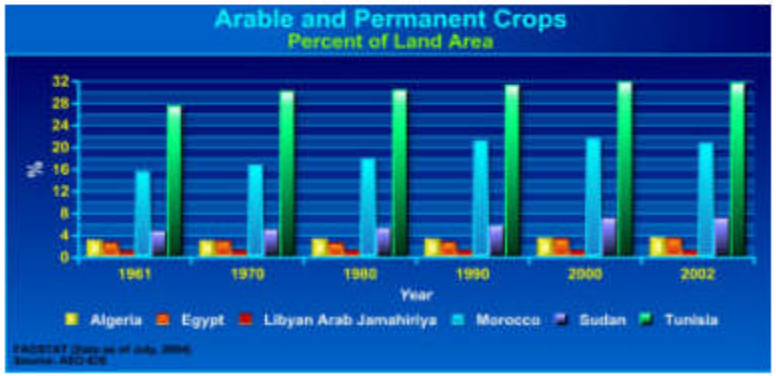
Countries

Remote Sensing

Charts



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68%

Attachments
Comments

Africa Environment Outlook (II)
Chapter 2

North Africa

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Incomplete Draft

22 May 2005

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AEIN - North Africa

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Northern Africa Pilot Countries Implementation Strategy

Egypt

EGYPT

One of EEAA's mandates is to collect, process, produce, and distribute environmental information. In this regard, its potential suppliers and clients are many, diversified, and geographically distributed. Externally they may include international organizations, other Egyptian Ministries and Agencies, national institutes, and governorates. Internally they may include EEAA sectors, departments, units, Regional Branch Offices, Donor Funded Projects, plus private and public partners. In order to effectively meet its mandate, EEAA could benefit from an Environmental Information Strategic Plan (EISP), developed in a broad-based, participatory way, while maintaining a perspective of the Agency and its working environment More....

Tunisia

TUNISIA

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Egyptian Environmental Information Systems EEIS

Ministry of State for Environmental Affairs
Egyptian Environmental Affairs Agency

AFRICA ENVIRONMENT INFORMATION NETWORK

FINAL DRAFT

IMPLEMENTATION PLAN

PHASE 1: 2003 – 2004

FOR

EGYPTIAN ENVIRONMENTAL INFORMATION SYSTEMS
EEIS
ESTABLISHMENT OF REGIONAL INFORMATION CENTERS

Prepared By:
Eng. Moheeb Abdl-Sattar Ebrahim
General Director of Systems, Programs & Operation
Information & Computer Center, EEAA

November 2004

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AEIN North Africa Questionnaire

Algeria

ALGERIA

Egypt

EGYPT

This questionnaire is part of an assessment of the status of environmental information management and networking capacity in Africa. It will serve as the basis for establishing a comprehensive inventory on environmental information resources as part of the development of a data foundation in support of environmental reporting processes. Your responses to the questions below will assist in establishing the current status of environmental information networking in your country, and the needs that have to be addressed in order to make environmental information management and networking more functional and efficient in your country, within the framework of the Africa Environment Information Network (AEIN).

More....

Libya

Libya

Morocco

MOROCCO

Sudan

Internet

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Annex 2 *FINAL DRAFT, Version 2.1*

AFRICA ENVIRONMENT INFORMATION NETWORK

ASSESSMENT OF INFORMATION MANAGEMENT CAPACITY AND DATA RESOURCES

Inventory Questionnaire Part 1:
NETWORKING AND INFORMATION MANAGEMENT CAPACITY

This questionnaire is part of an assessment of the status of environmental information management and networking capacity in Africa. It will serve as the basis for establishing a comprehensive inventory on environmental information resources as part of the development of a data foundation in support of environmental reporting processes. Your responses to the questions below will assist in establishing the current status of environmental information networking in your country, and the needs that have to be addressed in order to make environmental information management and networking more functional and efficient in your country, within the framework of the Africa Environment Information Network (AEIN).

One copy of this form should be completed per organisation or unit within the organisation as may be appropriate.

Section 1: Contact Details

1. *Name of person completing questionnaire: Moheeb Abdl-Sattar Ebrahim*
2. *Tel (Country-City-Number) (202) 5256452* 3. *Email: moheebsattar@eeaa.gov.eg*
4. *Name of organisation: Egyptian Environmental Affairs Agency* 5. *Acronym:*
6. *Full physical address: 30 Misr Helwan El-Zyrea Rd. Maadi – Cairo - Egypt*
7. *Full postal address: 30 Misr Helwan El-Zyrea Rd. Maadi – Cairo - Egypt*
8. *Tel (Country-City-Number) (202)5256452* 9. *Fax (Country-City-Number) (202) 5256490*
10. *Email: moheebsattar@eeaa.gov.eg* 11. *Web site eeaa.gov.eg*
12. *Head of organisation: (Prof./Dr./Mr./Mrs./Ms.) Dr.*
13. *Designation: Mohamed Sayed Khalil*

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AEO II Country Report

Algeria

ALGERIA

Algeria is part of the group of country of the strand south for which the natural growth rate should fall below 1,5% after the first decade 2000 (PAM: state of the marine and coastal environment of the Mediterranean region - 1996). But this demographic transition, all near, must not overlook the persistence of the unbalance, in the distribution of the population, between a densely populated coastal region and the rest of the national territory. More....

Egypt

EGYPT

Egypt's current severe environmental problems are the legacy of the country's economic and social policies of the past four decades. Despite undeniable progress made by the Government of Egypt, in protecting the environment, the cost of environmental inaction is a binding constraint for economic growth that Egypt cannot afford to neglect. The two key principles that are essential if Egypt would like to engage into the path of sustainable development are:
More....

Libya

Libya

Morroco

MOROCCO

Morocco is situated at the northwestern angle of the African continent, and therefore enjoys a privileged geo-strategic position with a maritime façade extending over approximately 3,446 km; on the Mediterranean sea in the north, the coast extends for 512 km from Saïdia to Cape Spartel, and on the Atlantic ocean in the west, the coast is approximately 2,934 km long, from Cape Spartel to Lagouira. The eastern frontier is limited by Algeria and the southern

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AEO II Country Report

Algeria

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More....

Libya

Libya

Morroco

MOROCCO

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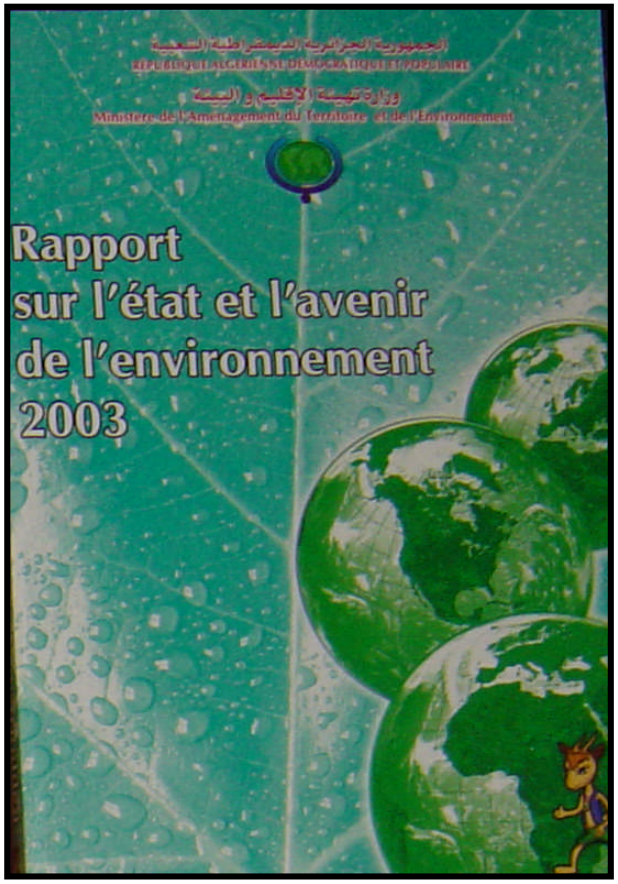
AEO II Country Report

Algeria

ALGERIA

Algeria is part of the group of country of the strand south for which the natural growth rate should fall below 1,5% after the first decade 2000 (PAM: state of the marine and coastal environment of the Mediterranean region - 1996). But this demographic transition, all near, must not overlook the persistence of the nbalance, in the distribution of the population, between a densely populated coastal region and the rest of the national territory. More....



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National Indicators

Algeria

ALGERIA

Egypt

EGYPT

Libya

Libya

Morroco

MOROCCO

Sudan

SUDAN

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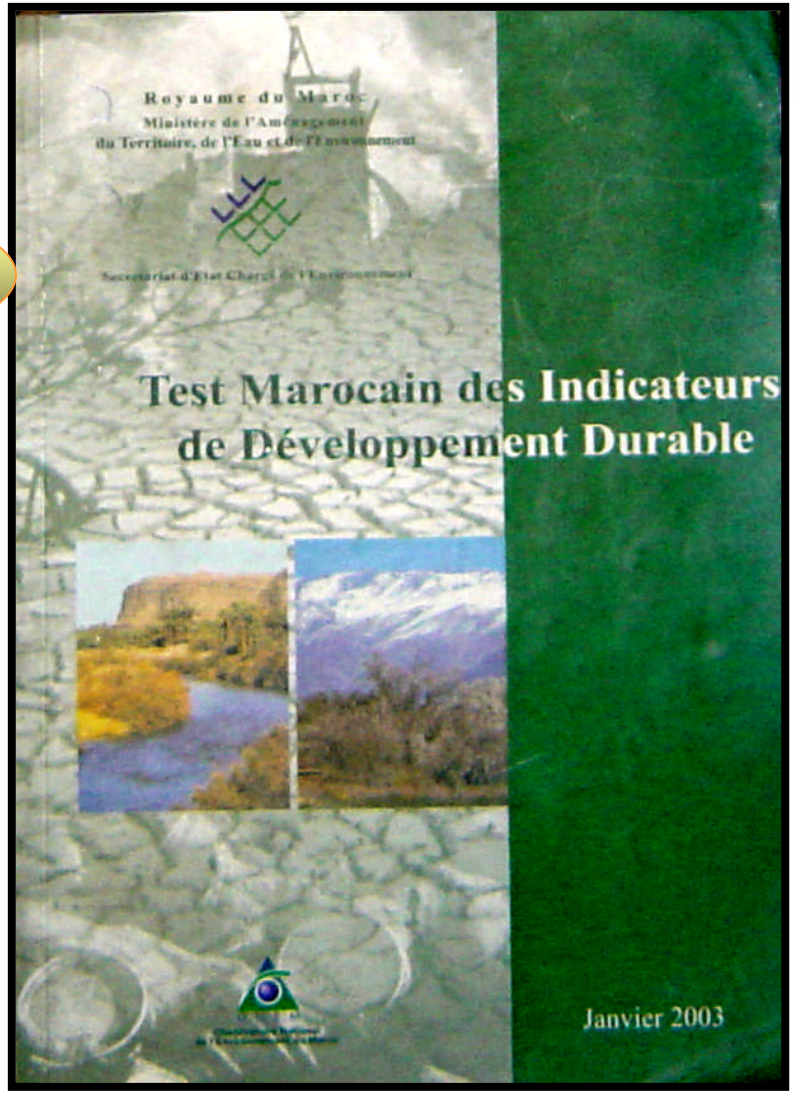
National Indicators

Algeria



ALGERIA

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Tunis- Expert directory

	A	B	C	D	E	F	G	H
1								
2	Entreprise	Responsable	Fonctions	Adresse	Téléphone	Fax	E-mail	Site We
3	Acoustica	Kamel Mekki	Président-dire	4, rue de Kasseri	- 98 351 879	72,399,309	acoustica@gnet.tn	
4	ACTED Consulting Tunisie - Assistance conseil	Ameur Zouari		Bureau A25, Bloc	71 789 604 -	71 847 873/8	ameur.zouari@webmails	
5	Advisor	Lotfi Gharbi		Résidence Médina, 3, rue des Violettes, El Aouina, 2045 Tunis	71 758 903 -	71,758,903	lgharbi@gnet.tn	
6	AED - Agriculture Environnement Développement	Habib Kraiem	Gérant	Bureau 10, Bloc D	71,886,886	71,873,856	aedconsult@gnet.tn	
7	AES - Alternative Energy Systems	Abdallah Baba	Gérant	29, avenue Tahar-	73,212,908	73,212,909	aes@planet.tn	
8	AET - Ateliers électriques de Tunisie	Mohamed Ali Badreddine	Gérant	Appartement D4,	- 98 362 354	71,378,086	badreddine@planet.tn	
9	Afrique Etudes	Belgacem Charni		Bureau 52, Escal	71 581 668/5	71,584,920	afri.sta@gnet.tn	
10	Agricultor	Tahar Latrous	Président-dire	54, rue de Turquie	71,349,888	71,342,884		
11	Agrimeca	Bèchir Aousji	Gérant	24, rue d'Italie, 10	71,335,766	71,353,972	fiam@gnet.tn	
12	Alcor	Rafik Missaoui	Gérant	10, rue Manoubi-	71 873 688/8	71,888,030	alcor@planet	.alcor.com
13	Amal Services	Mongi Daoud	Gérant	Appartement 5, Ir	98 335 003	71,888,303	amalservices@gnet.tn	
14	Apex Conseil	Samir Amous		16bis, rue Docteur-	71,848,094	71,843,453	amous.apex@gnet.tn	
15	Aproquem	Karim Baklouti Barkatallah	Directeur gén	67, rue Alain-Sav	71,796,360	71,796,121	aproquem@p	roquem.co
16	Aqua+	Hédia Kouki	Gérante	5, rue 7036, Men	- 98 314 633	71,231,419	hedia.kouki@planet.tn	
17	ART Environnement - Assistances & réalisations	Mabrouk Dammak	Gérant	Immeuble Folla, r	74,405,900	74,405,220	art@tunet.tn	
18	Assainissement Jerbi	Mohamed Jerbi	Gérant	Route des Huileri	74,693,761	74,692,553		
19	Asselec	Mohamed Ali Reghini		1, rue 1193, Cité	71,373,564	71,373,564	reghinimedali@yahoo.fr	
20	Badreddine Mohamed Ali	Mohamed Ali Badreddine		Appartement D4,	98 362 354 -	71,378,086	badreddine@planet.tn	
21	BAEC - Bureau africain d'études & conseils	Adel Marzouk	Gérant	Centre Bochra, Manar II, 2092 Tunis	71,886,305	71,886,305	baec_tu@yahoo.fr	
22	BCE - Bureau de conseils & d'études	Dalila Ammar		10, rue Zammakh	71 797 307 -	71,796,568	bce@planet.tn	
23	BECASSE - Bureau d'étude de communication,	Tarek Nefzi	Gérant	Appartement 5, Ir	71,608,411	71,608,411	becasse@planet.tn	
24	Ben Ammar Rim	Rim Ben Ammar		Appartement 2, B	22,660,914	71,799,986		

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Environmental Institutions Directory

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ALGERIA

Egypt

EGYPT

Libya

Libya

Morroco

MOROCCO

Sudan

SUDAN

Knowledge Management Programme
KMP
Information for Decisions

CEDARE

National Priorities

- Egypt
  - Water scarcity
  - Water quality
  - Water logging
  - Land degradation
  - Urban encroachment
  - Desertification
  - Off shore oil pollution
  - Threatened marine life
  - Agro-chemicals
  - Raw sewage
  - industrial pollution
  - Demographic growth
  - Solid and liquid waste
  - Air Pollution
- Libya
  - Desertification
  - Fresh water scarcity
- Tunisia
  - Industrial pollution
  - Fr. Water security
  - Air Pollution
  - Hazardous Waste
  - Urbanization
  - Desertification
- Algeria
  - Soil erosion due to overgrazing
  - Desertification
  - Dumping of raw sewage
  - Oil wastes
  - Industrial pollution
  - Fr. water security

Knowledge Management Programme
KMP
Information for Decisions

CEDARE

National Priorities

- Morocco
  - Fr. water security
  - Frequent droughts
  - Desertification
  - Oil pollution
  - Solid and liquid wastes
  - Air pollution
  - Hazardous wastes
  - Industry
- Sudan
  - Potable water
  - Loss of biodiversity
  - Desertification
  - Soil erosion
  - Drought
  - Endemic diseases

Knowledge Management Programme

KMP

Information for Decisions

Djibouti

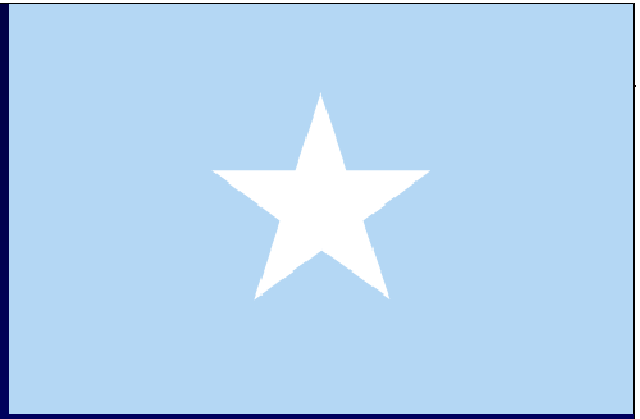
- inadequate supplies of potable water;
- limited arable land;
- desertification;
- endangered species

Knowledge Management Programme

KMP

Information for Decisions

Somalia



- famine;
- use of contaminated water (health problems)
- deforestation;
- overgrazing;
- soil erosion;
- desertification

Knowledge Management Programme

KMP

Information for Decisions

Comoros

- soil degradation
- erosion
- deforestation

Knowledge Management Programme

KMP

Information for Decisions

Mauritania

- overgrazing,
- Deforestation
- soil erosion
- desertification;
- Water Scarcity

Knowledge Management Programme

KMP

Information for Decisions

CEDARE

Regional Priorities

- **Desertification (6/6)**
- **Water scarcity (5/6)**
- **Industrial pollution (4/6)**
- **Air Pollution (3/6)**
- **Untreated raw sewage**
- **Weak institutional capacity**
- **coastal degradation**


UNEP
CEDARE
EEAA


Africa Sustainable Development Data
and
Indicators Information System
(Africa-SDIS)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Africa Sustainable Development Data &
Indicators Information System
(Africa SDIS)
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water

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Version 1.0

Africa GIS/RS viewer

UNEP

AEIN
AFRICA ENVIRONMENT INFORMATION NETWORK

Africa Data Working Group (ADWG)

Indicator (Geo-data portal)

Africa (Arc Atlas)

Remote Sensing

Quit

Africa GIS VIEWER

Atmosphere & Climate

Biodiversity

Economic Indicators

Energy & Materials

Food & Agriculture

Forests

Atmosphere & Climate - (CFC Emission)

File View Layers Export Map Tools

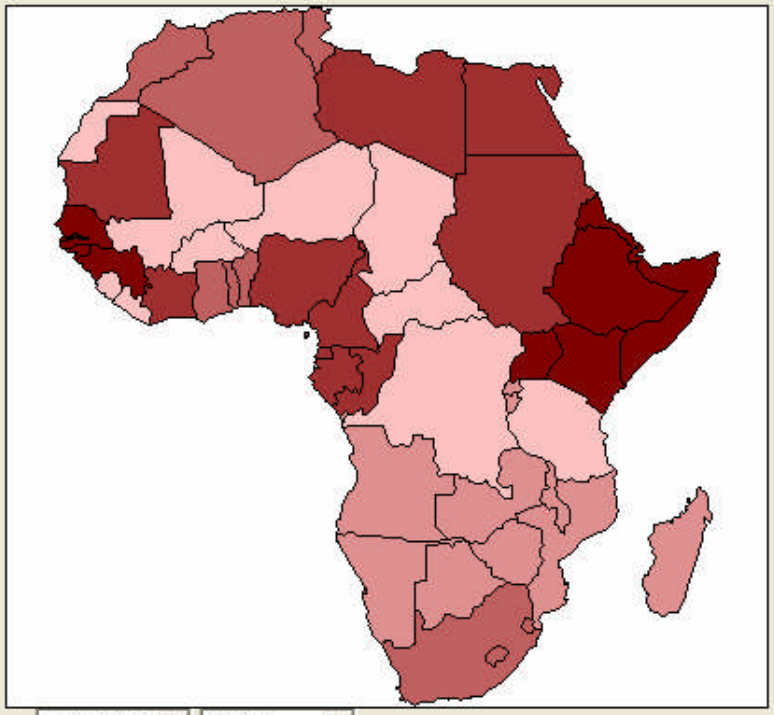
Atmospheric

- CO2 emission (Gas)
- CO2 emission (Liquid fuel)
- CO2 emission (Solid fuel)
- Ozone CFC

CO2 emmission

CARBONDI-AFR.SHP (Feat

- Less than 10.6
- 10.6 - 20.2
- 20.2 - 29.8
- 29.8 - 39.4



MapTips

carbondi-afr. NAME

Map Units Unknown X:-21.91 Y:24.57 16:18

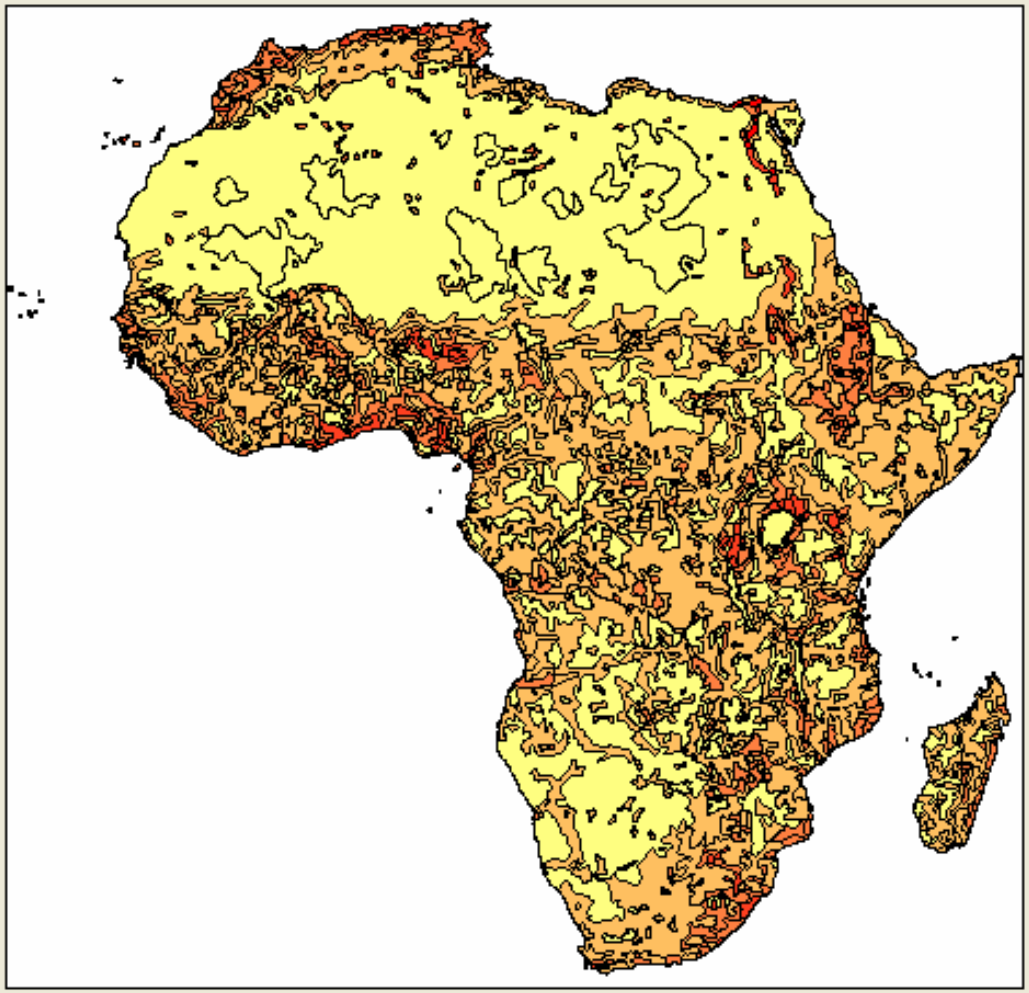
Atlas

Maps Export Map Information

Print Information

POP.SHP (DENSITY)

- Less than 1.8
- 1.8 - 3.6
- 3.6 - 5.4
- 5.4 - 7.2



MapTips

Satellite Images of Africa

North Africa

East Africa

West Africa

South Africa

Central Africa

Western Indian Ocean

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North Africa Sattelite Image

Export Map

Egypt:

- Egypt (Wadi Allaqi)
- East Nile at Awsan
- Aswan and High Dams
- East and west Nile Geological landscape
- Toshka
- Giza pyramids
- New urban expansions Cairo
- Hurghada urban
- Lake Qaroun
- South entrance of Suez Canal

Lybia:

- Mediterranean lagoons
- Banghazi port
- Agricultural lands

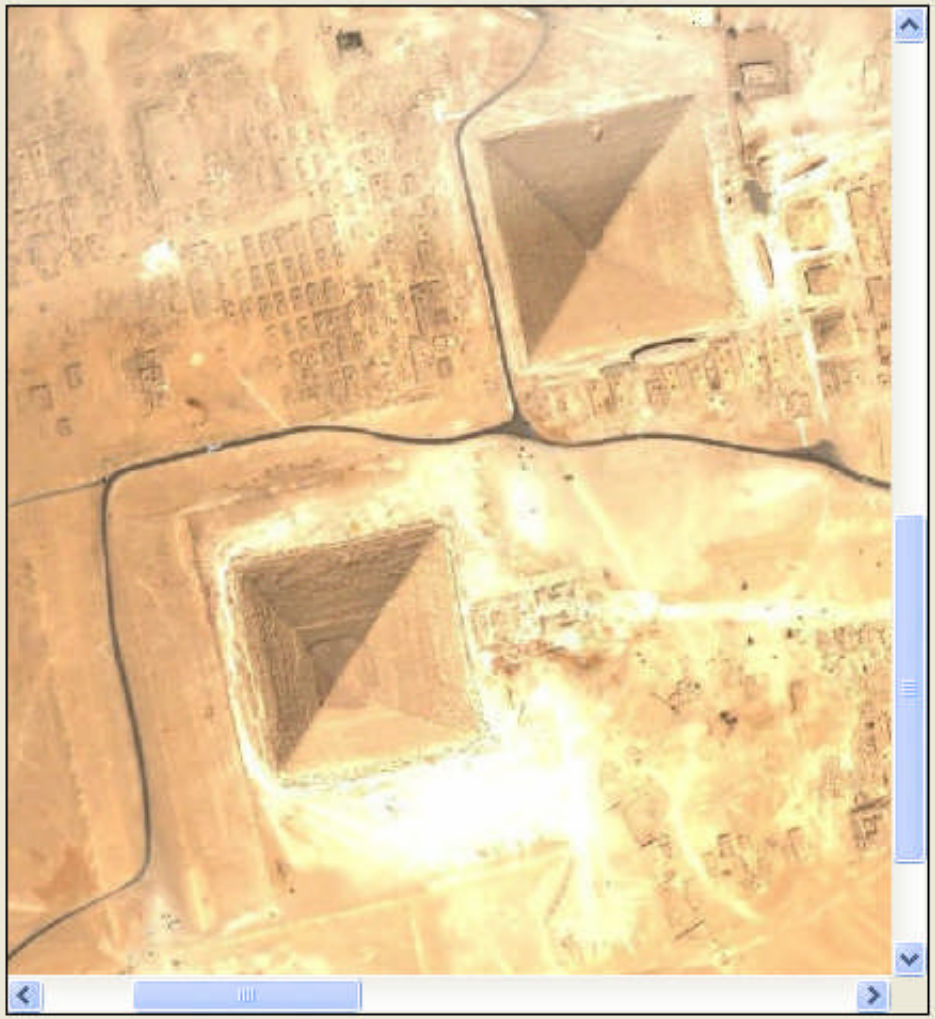
Algeria:

- Urban of Algeris
- Urban and Agriculture
- Urban of Oran City

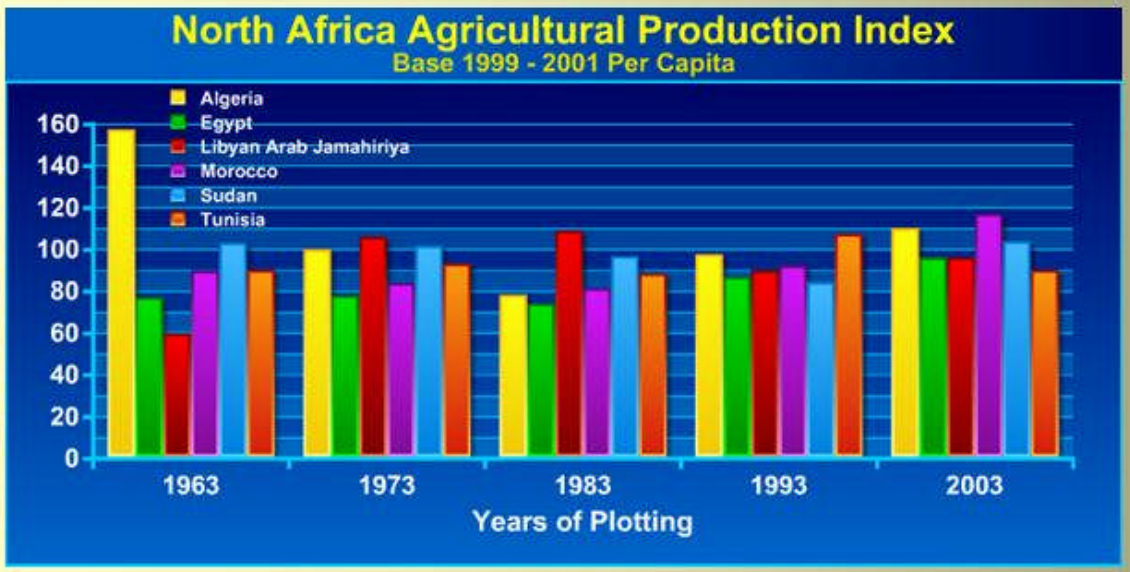
Morocco:

- Forests

Giza pyramids and pharaonic area, south west greater Cairo,Giza, Egypt.

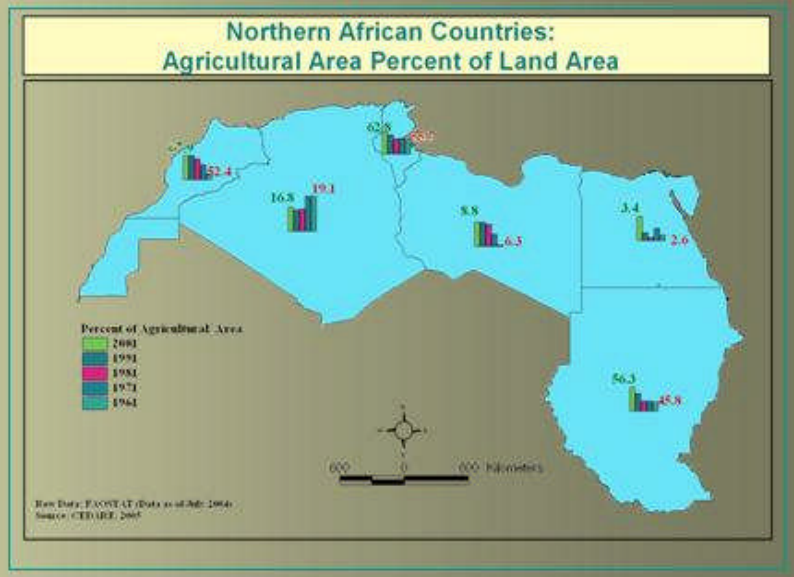


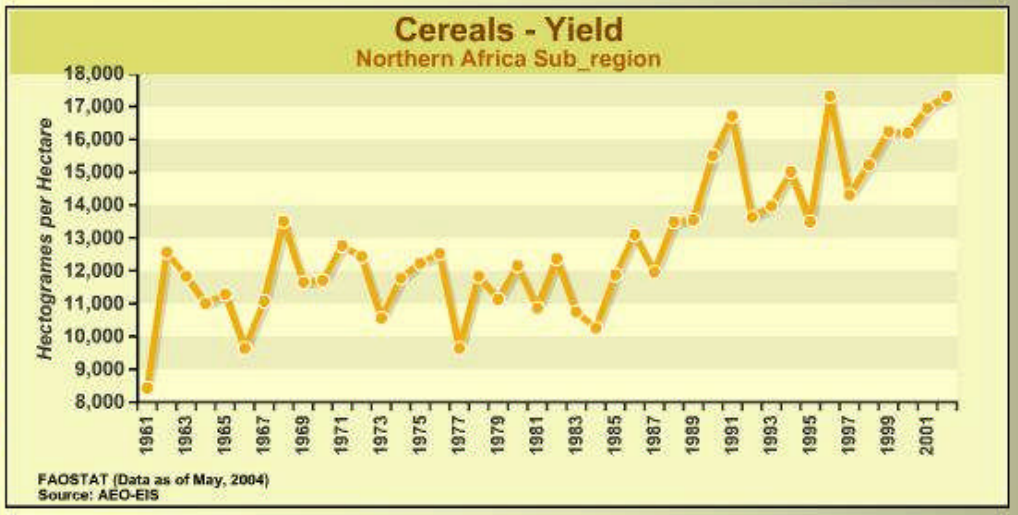
CEDARE

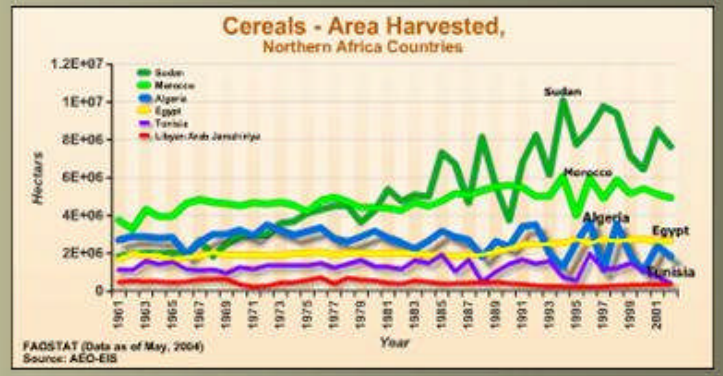


Agricultural Production Index – per Capita Northern Africa Countries

The FAO indices of agricultural production show the relative level of the aggregate volume of agricultural production for each year in comparison with the base period 1999-2001. They are based on the sum of price-weighted quantities of different agricultural commodities produced after deductions of quantities used as seed and feed weighted in a similar manner. The resulting aggregate represents, therefore, disposable production for any use except as seed and feed .

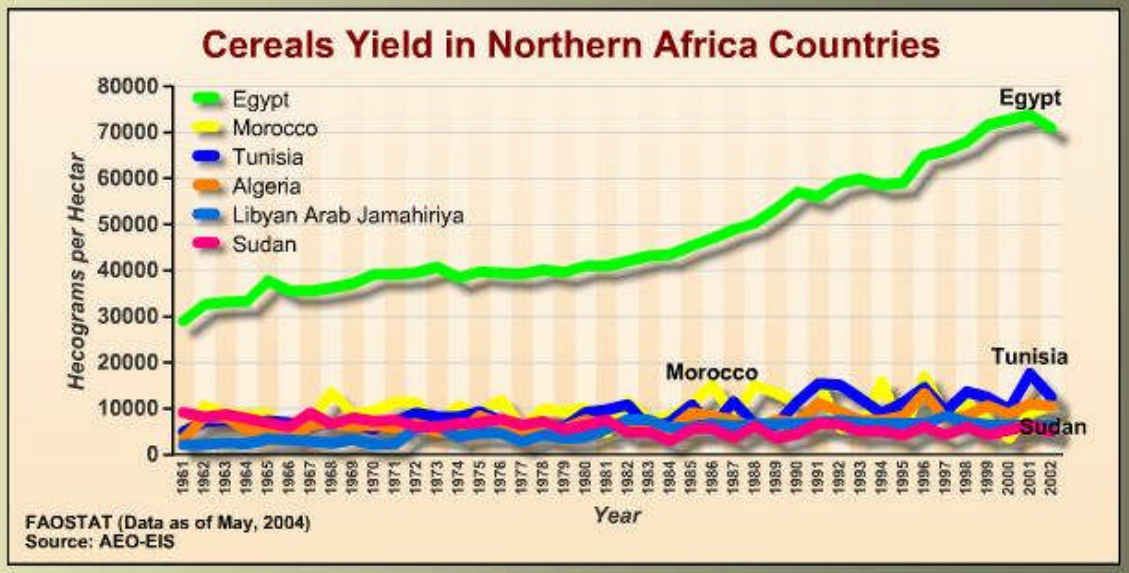




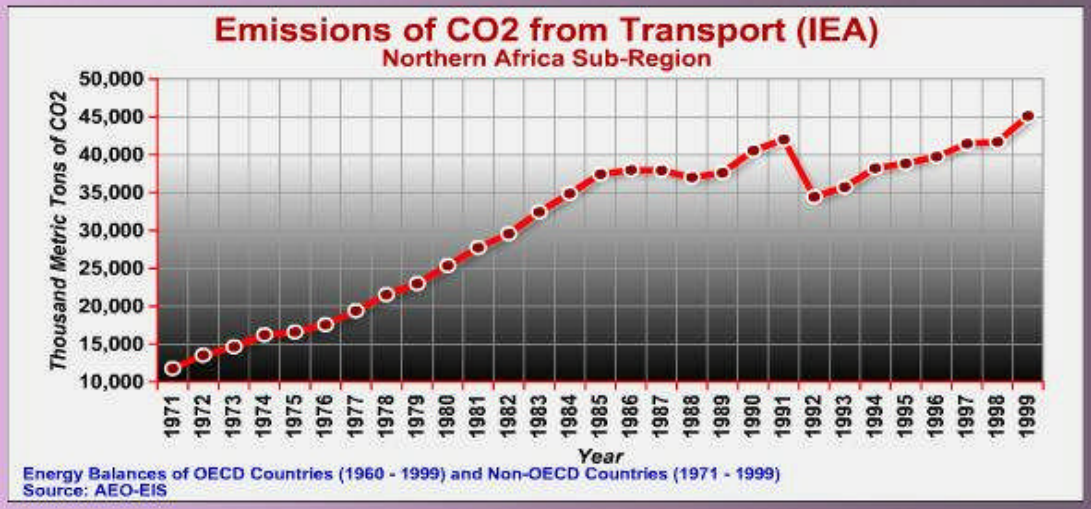


Cereals Yield in Northern Africa Countries

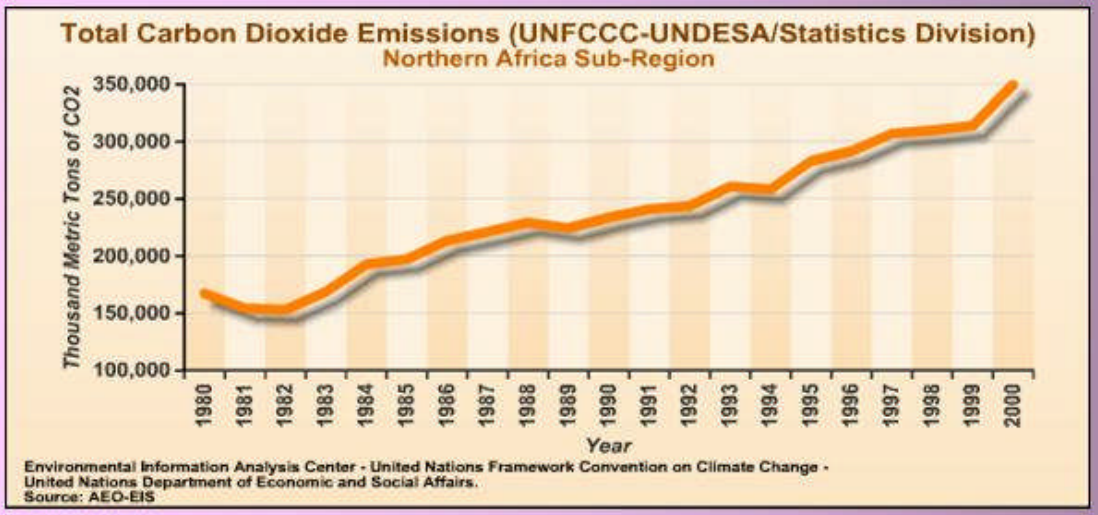
Cereals also includes other cereals such as mixed grains and buckwheat. The data reported under this element represent the harvested production per unit of harvested area for crop products. In most of the cases yield data are not recorded but obtained by dividing the data stored under production element by those recorded under element: area harvested. Data are recorded in hectogramme (100 grammes) per hectare (HG/HA).



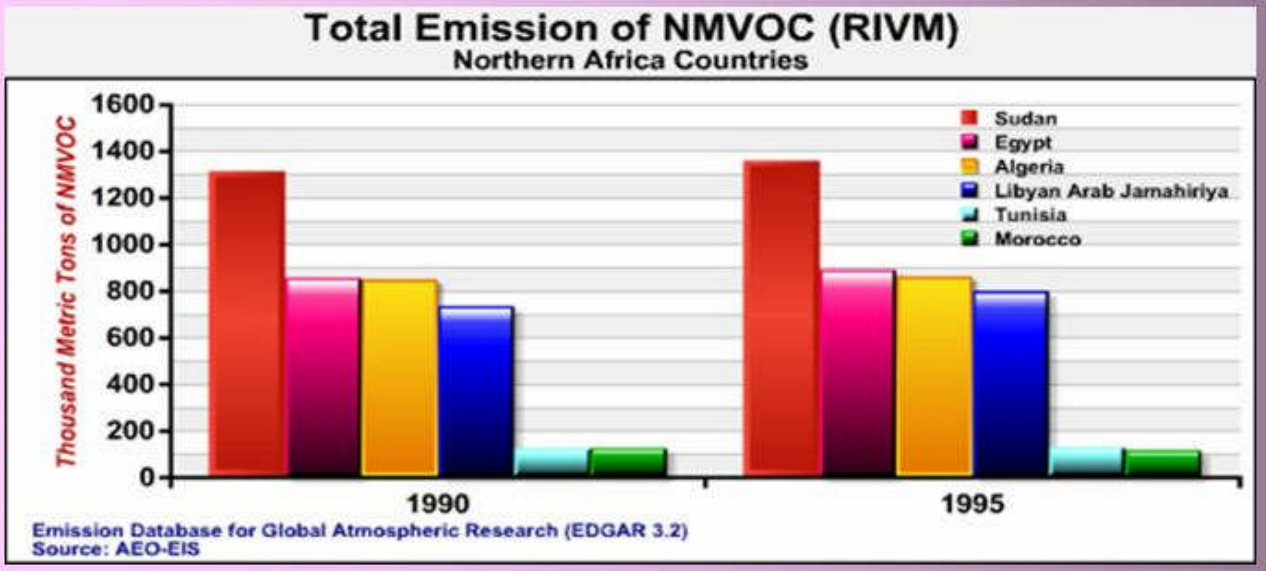
Emissions of CO2 from transport contain emissions from the combustion of fuel (coal, oil and gas) for all transport activity, regardless of the sector, except for international marine and aviation bunkers. This corresponds to IPCC Source/Sink Category 1 A 3.



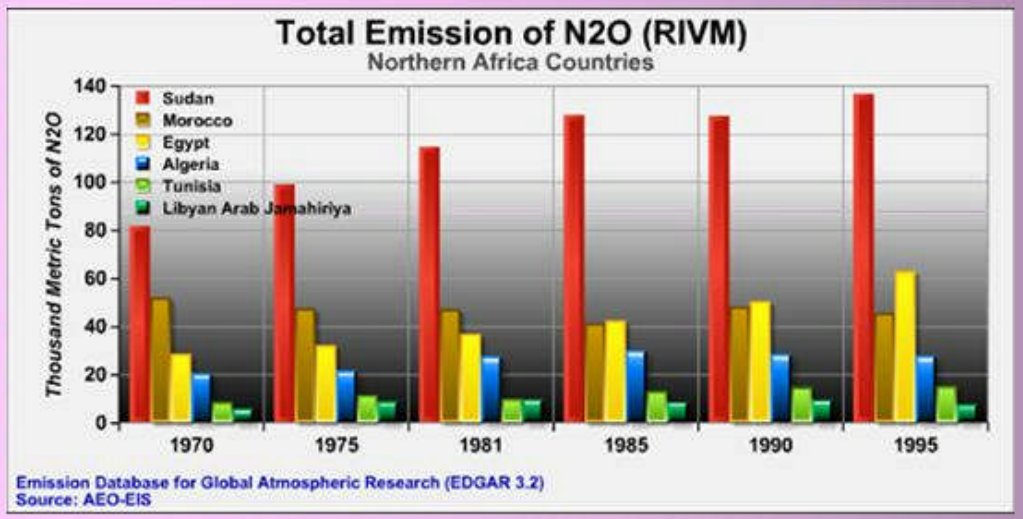
Carbon Dioxide Emissions from Transport



Carbon dioxide emissions: Carbon dioxide (CO2) is a colorless, odorless and non-poisonous gas formed by combustion of carbon and in the respiration of living organisms and is considered a greenhouse gas. Emissions means the release of greenhouse gases and/or their precursors into the atmosphere over a specified area and period of time. Reference United Nations. United Nations Framework Convention on Climate Change (A/AC.237/18 (Part II)/Add.1 and Corr.1). Opened for signature at Rio de Janeiro on 4 June 1992. (Section C) United Nations. Glossary of Environment Statistics. Series F, No. 67 (United Nations publication, Sales No. E.96.XVII.12).

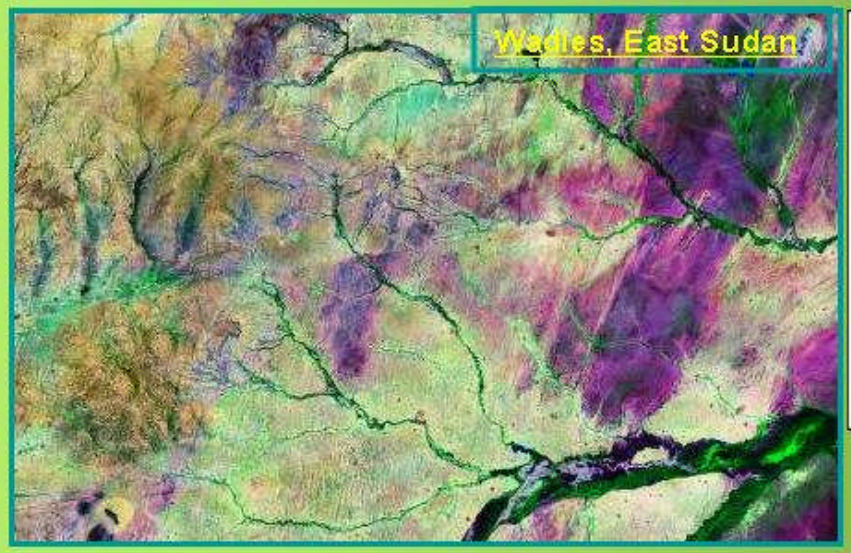


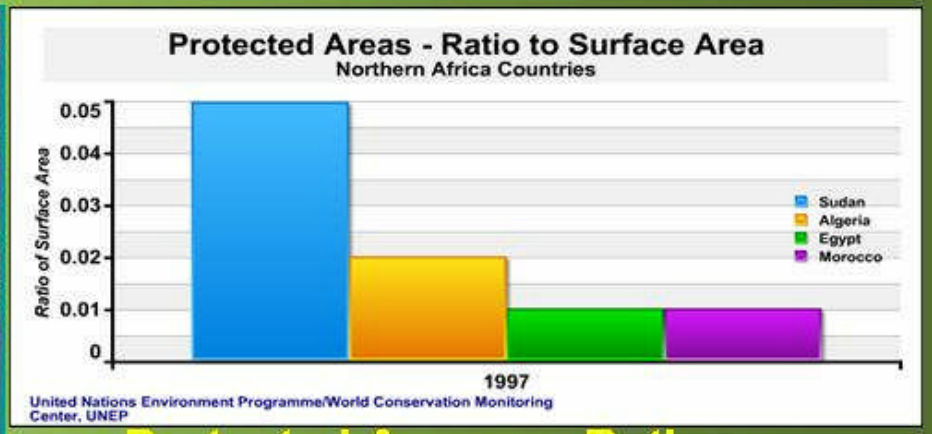
Total Emissions of NMVOC (RIVM)



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

Biodiversity



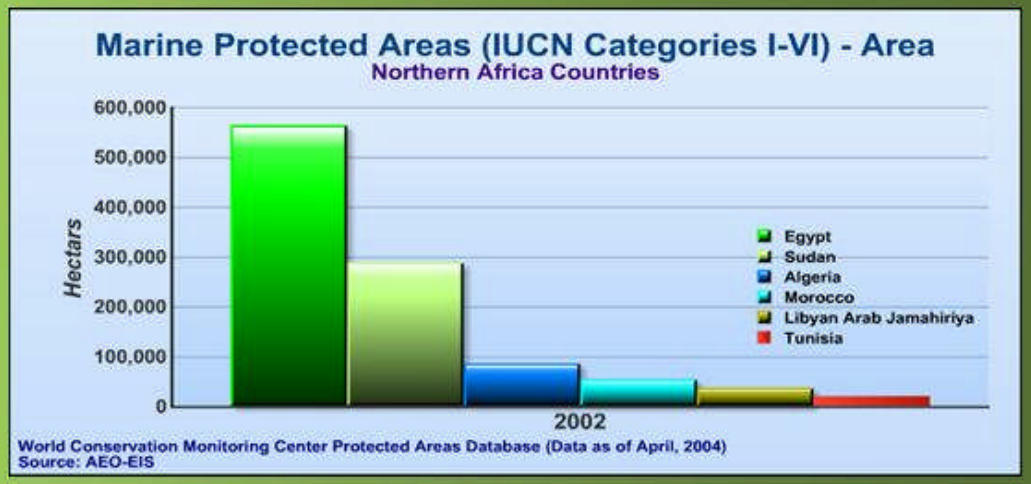


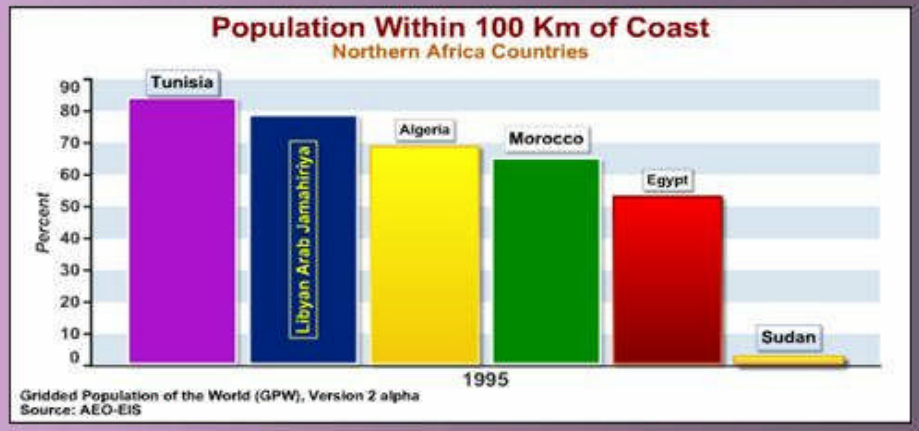
Protected Areas as Ratios of Country Area

Millennium Development Indicator (MDG) Ratio of area protected to maintain biological diversity to surface area. Protected land and water area: Area of land and/or sea especially dedicated to the protection and maintenance of biological diversity, and of natural and associated cultural resources, and managed through legal or other effective means. (World Conservation Union, 1994).

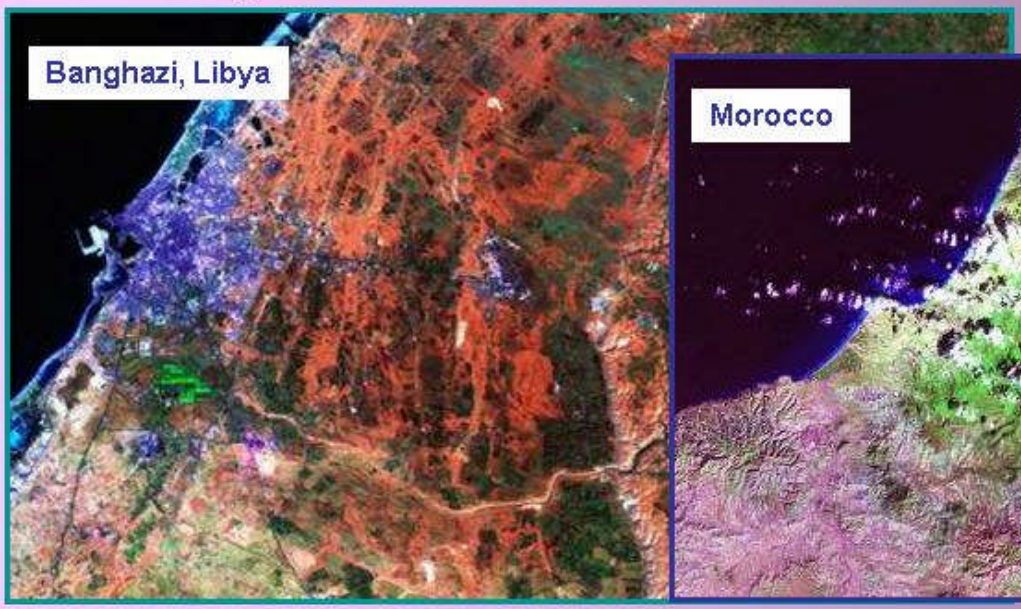
Total Area of Marine Protected Areas

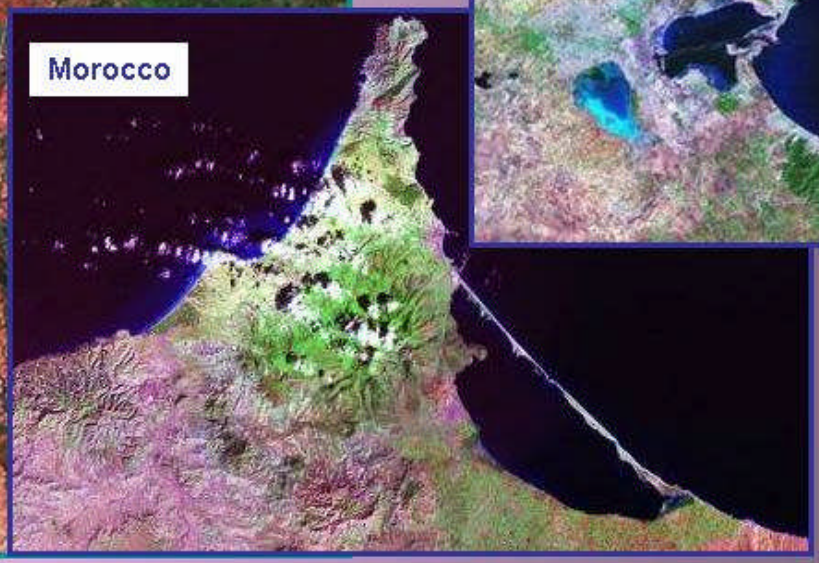
Area of land and/or sea possessing some outstanding or representative ecosystems, geological or physiological features and/or species, available primarily for scientific research and/or environmental monitoring. Category Ib. Wilderness Area: protected area managed mainly for wilderness protection. Large area of unmodified or slightly modified land, and/or sea, retaining its natural character and influence, without permanent or significant habitation, which is protected and managed so as to preserve its natural condition .



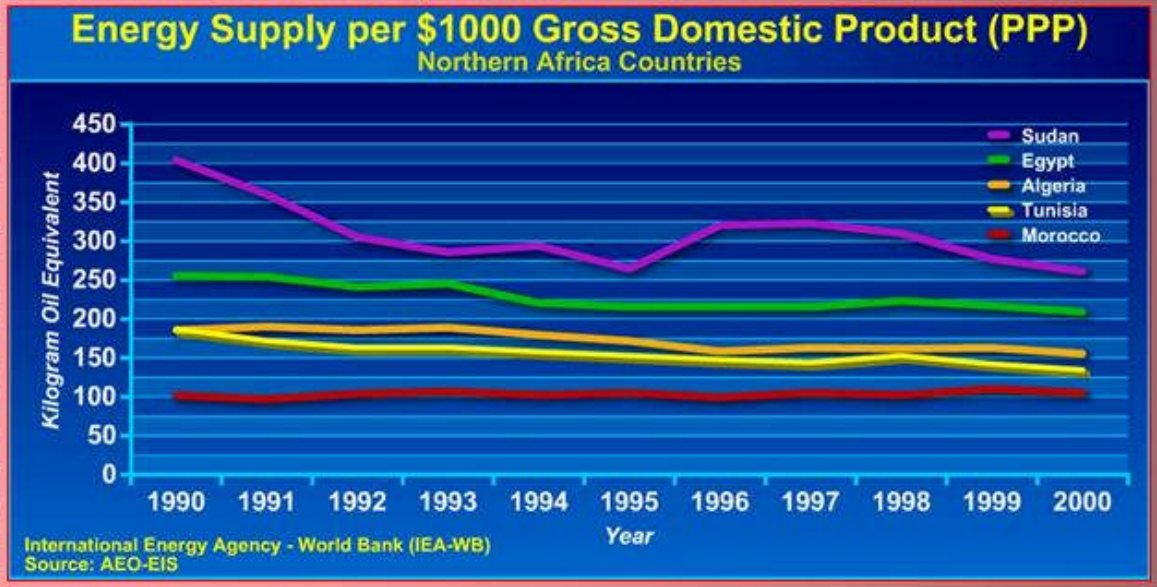


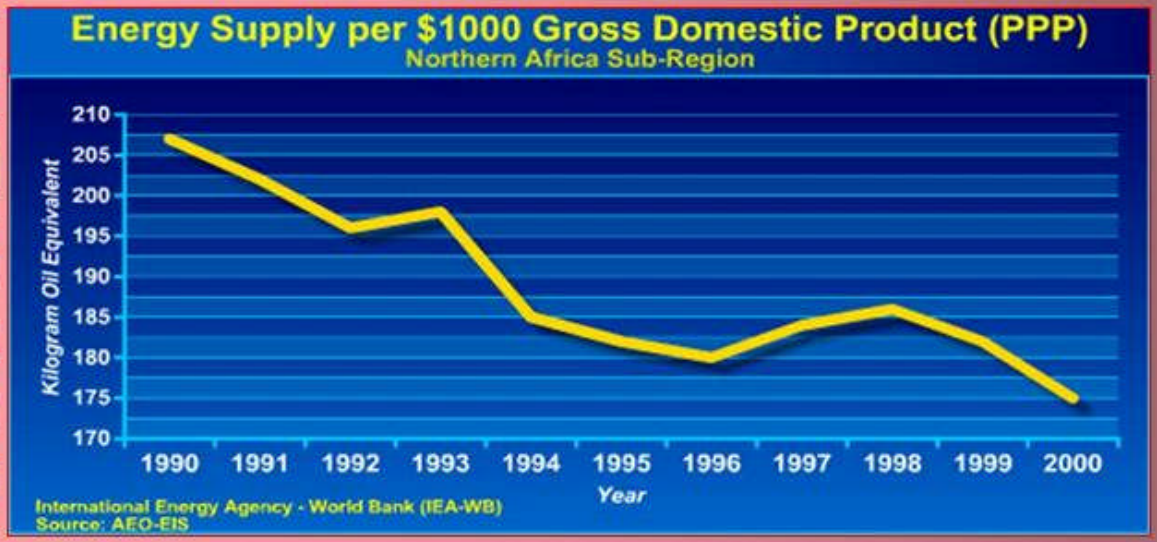
Population within 100 Km of the Coast





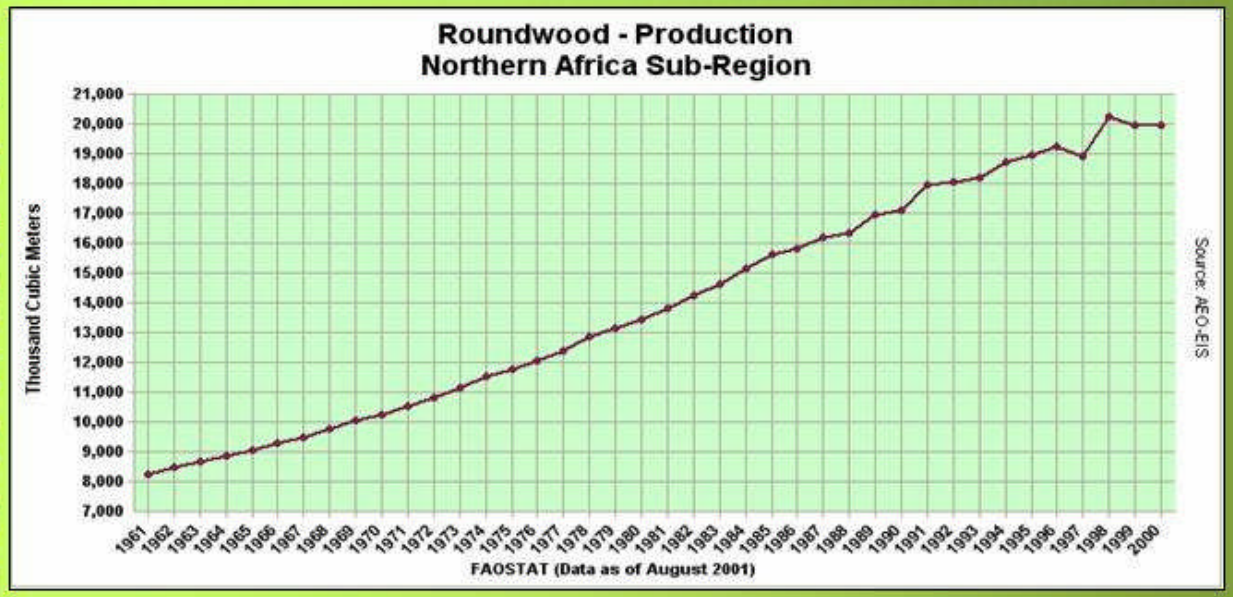
Northern Africa Data Compendium-2005





Energy Supply per $1000 Gross Domestic (PPP)

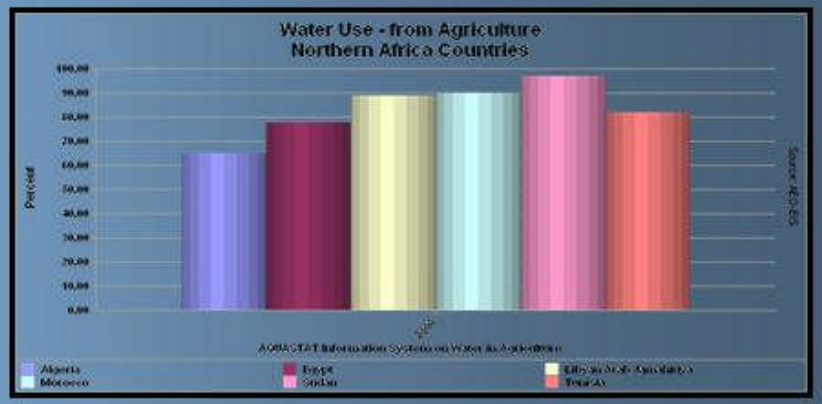
Millennium Development Indicator (MDG) Carbon dioxide emissions: Total primary energy domestic supply (sometimes referred to as energy use) is calculated by the International Energy Agency as production of fuels + inputs from other sources + imports - exports - international marine bunkers + stock changes. It includes coal, crude oil, natural gas liquids, refinery feedstock's, additives, petroleum products, gases, combustible renewable and waste, electricity and heat. Domestic supply differs from final consumption in that it does not take account of distribution losses. The supply and use of energy commodities are converted to Kg. oil equivalent using standard coefficients for each energy source .



Production of Round wood

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

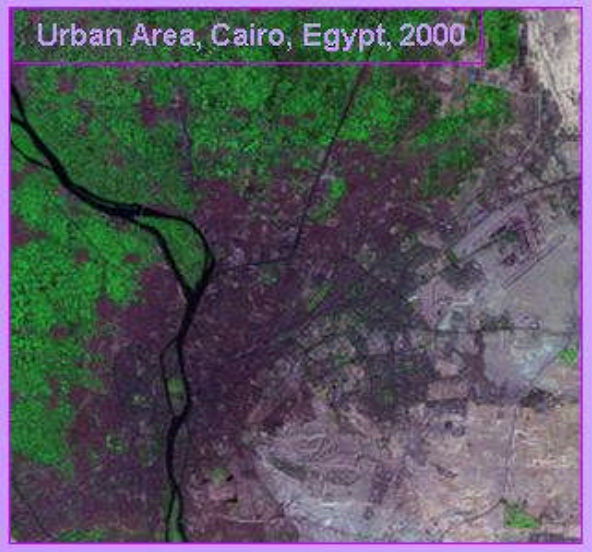
Agriculture in Aswan, Egypt

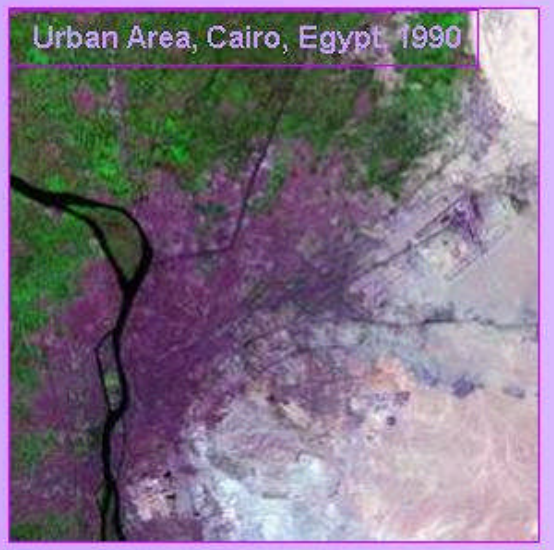


Water Use from Agriculture

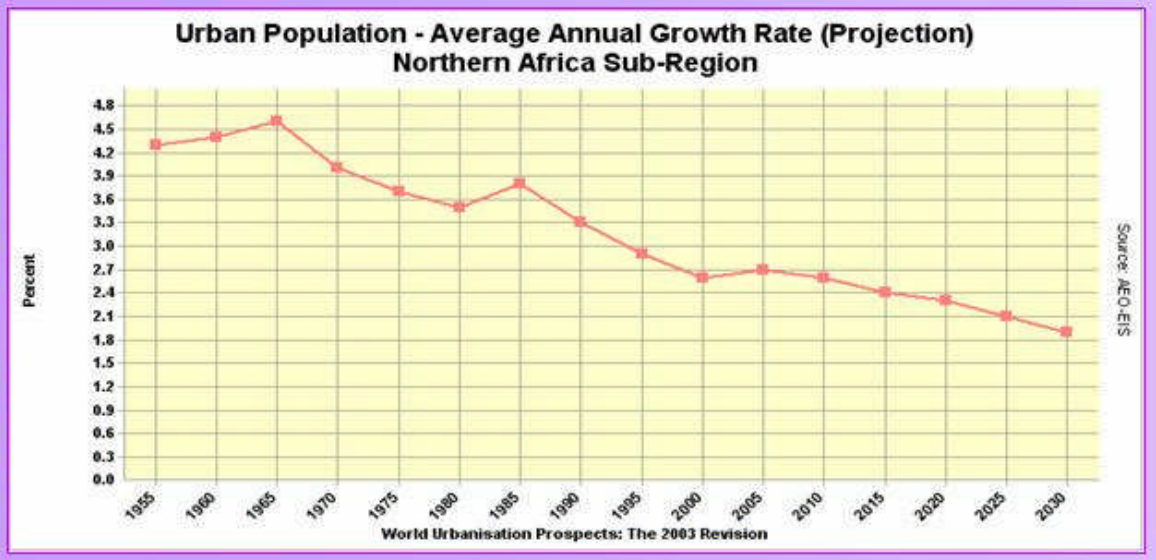
Annual quantity of water used for agricultural purposes including irrigation and livestock watering. By default, livestock water use is accounted for in agricultural water use. However, some countries include it in domestic water withdrawal. Figure was reviewed for each country on the basis of crop water requirements and irrigated areas, and comments were added in the country profiles to explain the figure when necessary. In some cases, rural water supply is included in this category. When a separate value was available for rural water supply, it was added to urban water supply.

Agriculture in G. Akhdar, Libya





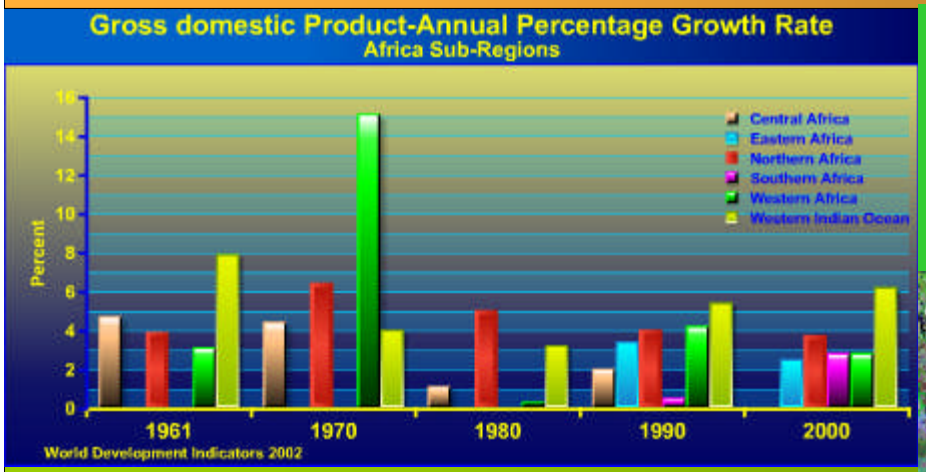
Urban Population – Average Annual Growth Rate (Projection)



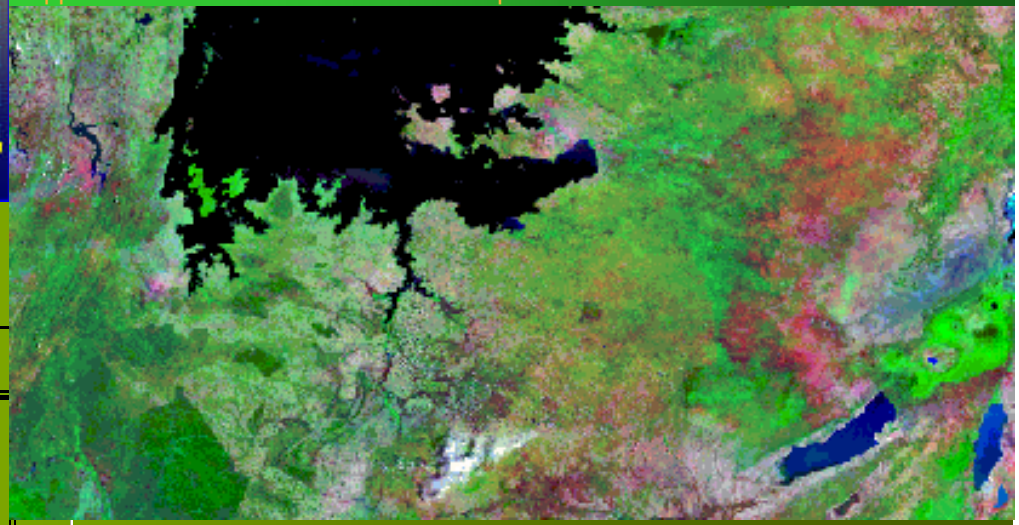
The average annual rate of change of population living in defined urban areas during a specified period. Because of national differences in the characteristics that distinguish urban from rural areas, the distinction between urban and rural population is not amenable to a single definition that would be applicable to all countries. National definitions are most commonly based on size of locality. Population which is not urban is considered rural.

Africa Data Compendium-2007

Land

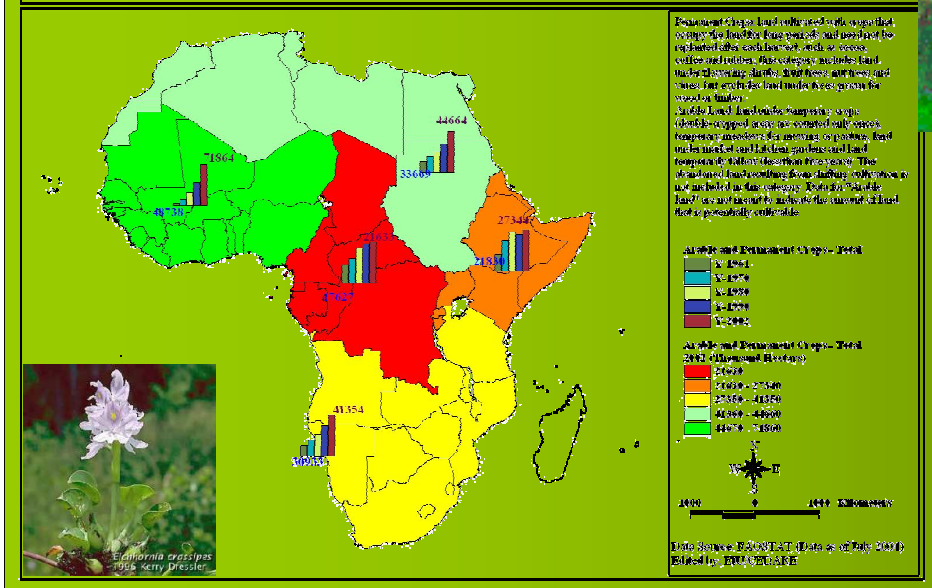


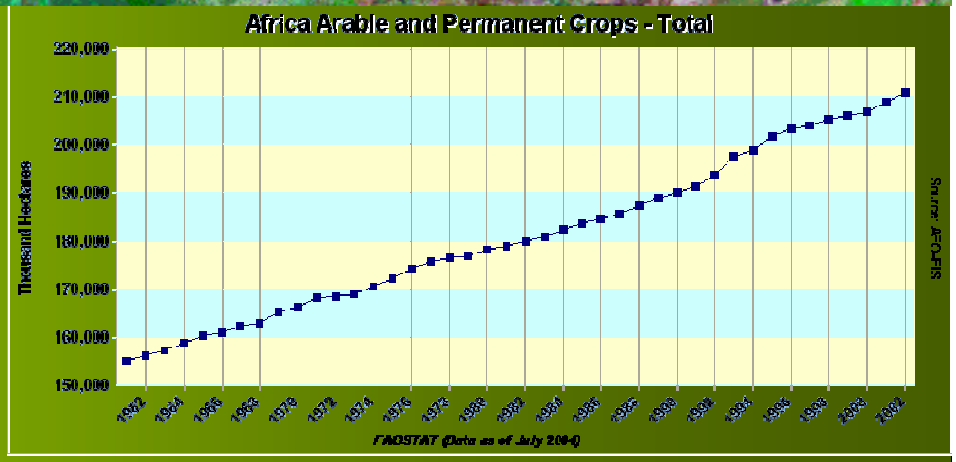
Lake Victoria is one of the world`s most significant fresh water resources and holds vital importance to approximately 30 million East Africans. Unfortunately, it is also among the world`s most imperiled ecosystems. The lake faces numerous challenges including eutrophication, pollution, and invasion by non-native species. As is often the case with ecological problems, these challenges do not recognize international boundaries. Addressing these issues effectively and in a sustainable manner calls for an ecosystem-oriented approach that includes international cooperation.



Lake Victoria Monitoring

Arable and Permanent Crops - Total



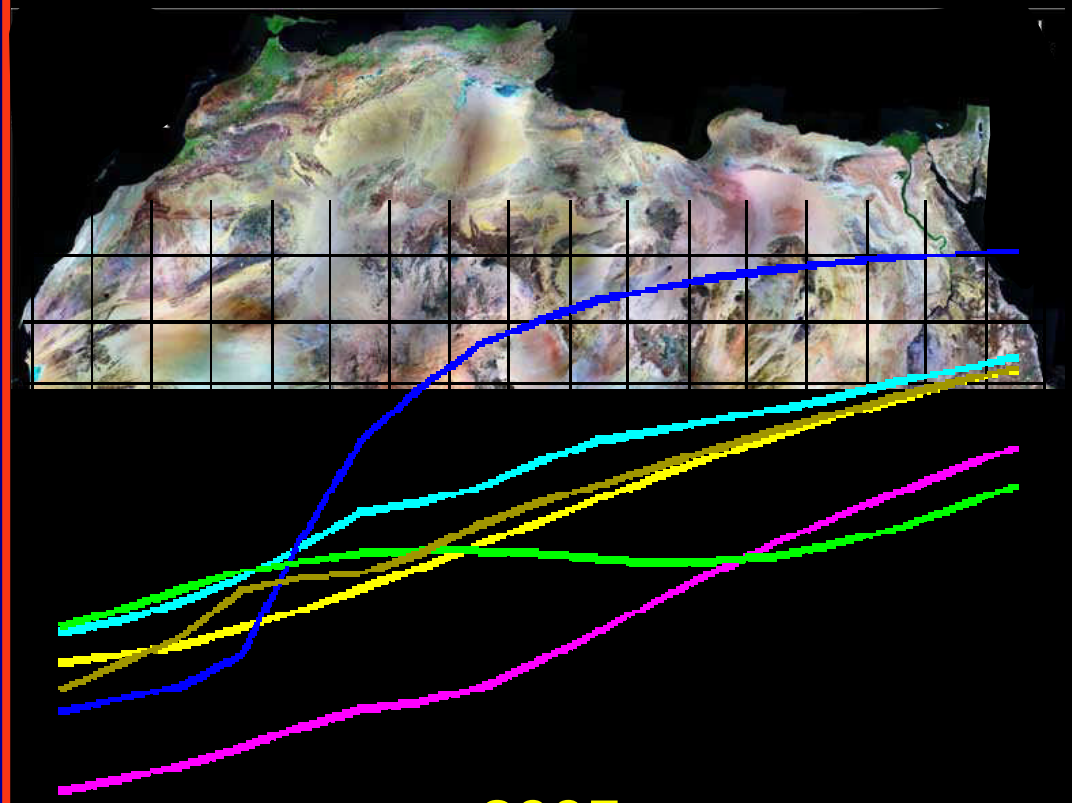


Knowledge Management Programme

KMP

Information for Decisions

NORTH AFRICA STATE OF THE ENVIRONMENT REPORT



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Knowledge Management Programme

KMP

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