



UNEP



UNEP Mandate



Division Of Early Warning And Assessment

**To keep under review
the
state of the global
environment....**

*UNGA Resolution 2997 (XXVII) of
1972*



AFRICA ENVIRONMENT OUTLOOK



UNEP Mission



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To provide leadership and encourage partnership in caring for the environment by inspiring, informing, and enabling nations and peoples to improve their quality of life without compromising that of future generations



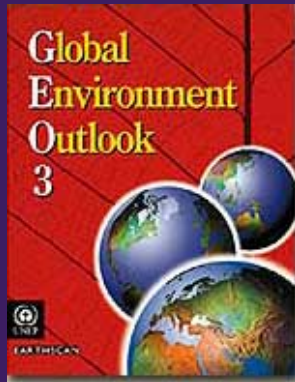
AFRICA ENVIRONMENT OUTLOOK



UNEP Programme Areas



Division Of Early Warning And Assessment



Early Warning and Assessment



Environmental Policy Implementation



Policy Development and Law



Environmental Conventions



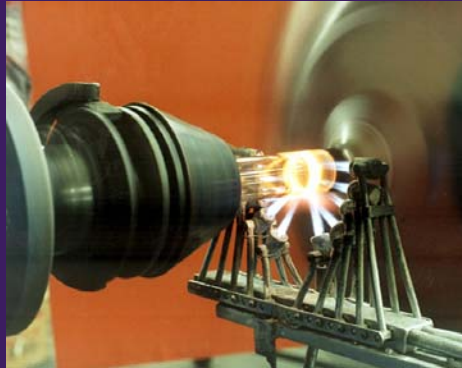
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UNEP Programme Areas



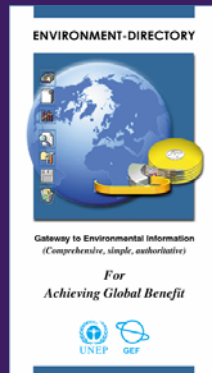
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Technology, Industry
and Economics



Communications and
Public Information



Global Environment
Facility Coordination



Regional Cooperation



AFRICA ENVIRONMENT OUTLOOK



DEWA Mission



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To provide the world community with improved access to meaningful environmental data and information, and increase the capacity of governments to use such information for decision-making and action for sustainable human development



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Assessment defined



An environmental assessment is the process for undertaking a critical and objective evaluation and analysis of data and information to support policy and decision-making. It must be credible and legitimate, involve different stakeholders.



Some assessment questions



WHAT?
WHERE?
WHY?
WHO?
HOW?





UNEP Programme Areas



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- Global Environment Outlook**
- Post Conflict Assessment**
 - Iraq, Afghanistan, Occupied Palestinian Territories, Liberia and more planned
- Global Mercury**
- Poverty and environment**
- Water Vulnerability (Africa)**
- Regional Assessments**
 - Africa, Latin America, Asia and the Pacific
- Africa Environment Outlook**



AFRICA ENVIRONMENT OUTLOOK



Global Environment Outlook



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- The flagship vehicle of the UNEP integrated environmental assessment and reporting work is the **Global Environment Outlook (GEO)** process - integrated environmental assessment and reporting.



AFRICA ENVIRONMENT OUTLOOK



What is GEO?



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- ❑ The **GEO process**: a consultative, participatory, capacity building process initiated by UNEP for global environmental assessment and reporting
- ❑ The **GEO reports** on the state of the environment, and associated products



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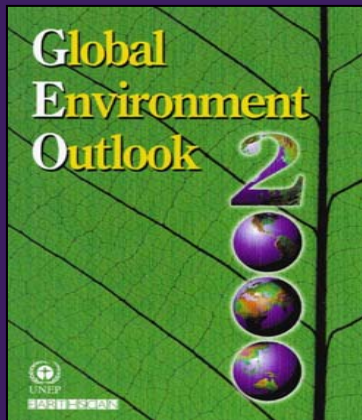
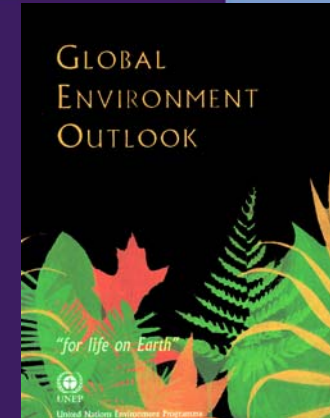


GEO Global Products



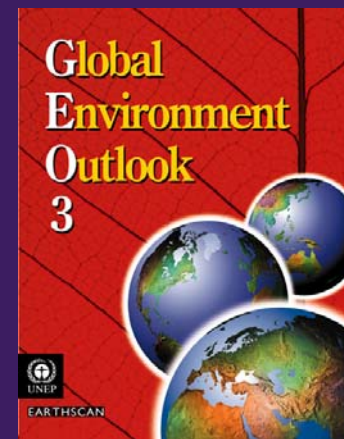
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- **Global Environment Outlook 1997 (GEO-1)** (English and Chinese)



- **Global Environment Outlook 2000** (Arabic, Chinese, English, French, Russian and Spanish)

- **Global Environment Outlook 3** (Arabic, Chinese, English, French, Russian and Spanish)



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DEWA-Africa



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Global processes

- UN System
- Governments
- International community
- Conventions
- Scientific community
- Civil society
- Private sector
- Research institutes etc

UNEP Mandate

- Mission
- Governing Council Decisions

DEWA Mission

- Programme of Work
- GEO/Science Initiative, EW

Africa Programme

- Mission Objectives

Africa processes

- Governments
- African Union
- ROA
- Sub-regional economic bodies
- AMCEN
- NEPAD
- Universities
- Scientific community
- Civil society
- Private sector
- Research institutes etc.



AFRICA ENVIRONMENT OUTLOOK



DEWA-Africa



Africa Programme Mission

To improve access to meaningful environmental data and information, and increase capacity in Africa to use environmental information for decision-making and action

Objectives

- Catalyse and facilitate environmental assessment activities at different levels, from the sub-national and national to sub-regional and regional, and ensure that assessment reports are scientifically credible and policy relevant.
- Ensure that both formal and non-formal approaches to capacity building are used, involving centres of excellence and institutions with potential.
- Build strong linkages between environmental science, and policymaking and implementation.





DEWA-Africa



Programme Components

- Africa Environment Outlook and sub-regional and national outlook reports.
- Africa Environment Information Network (AEIN) and national activities.
- GEO Africa Data Portal, Landsat data distribution, mapping services.
- Early warning – Great Lakes region, policy briefs.
- AEO-for-Youth.
- Appropriate materials, publishing and distribution.
- Fundraising.





Africa Environment Outlook



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- African Environment Ministers requested in 2000 a regional report to provide a comprehensive scientific assessment of the environment, policies, and environmental management programmes.



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Africa Environment Outlook



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The first **Africa Environment Outlook** report was launched at the Ninth AMCEN Session held in Kampala, Uganda from 4-7 July 2002.



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Africa Environment Outlook



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□ The AEO process was then adopted as a tool for monitoring sustainable environmental management in Africa and to act as the environmental reporting framework at national level.

□ It will also be used as a tool for monitoring the implementation of the AMCEN programme and the NEPAD Environment Action Plan.



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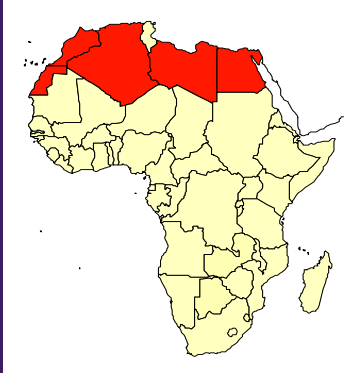


Network of Collaborating Centres

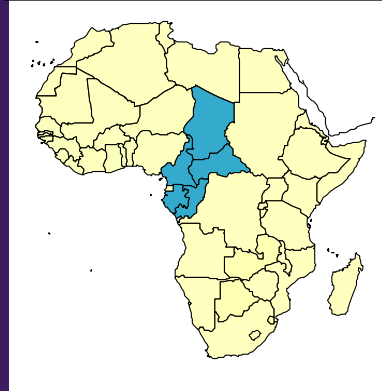


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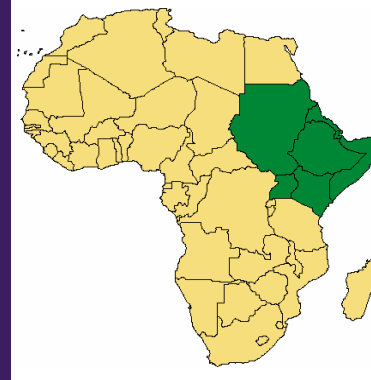
CEDARE in Northern Africa



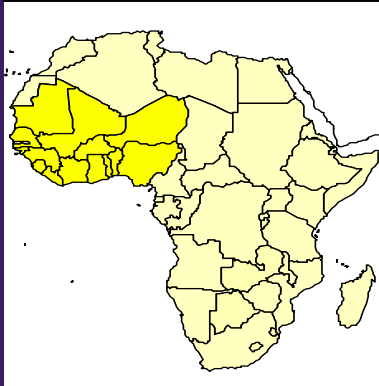
ADIE in Central Africa



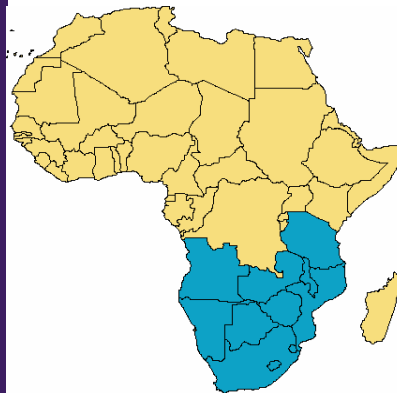
NEMA in Eastern Africa



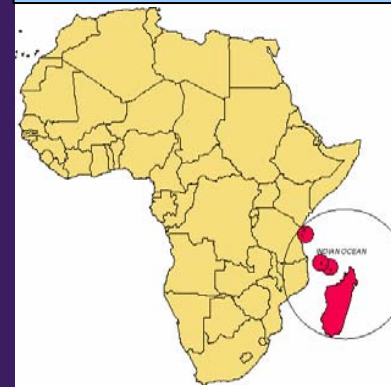
NESDA in Western Africa



SARDC in Southern Africa



IOC in Indian Ocean Region

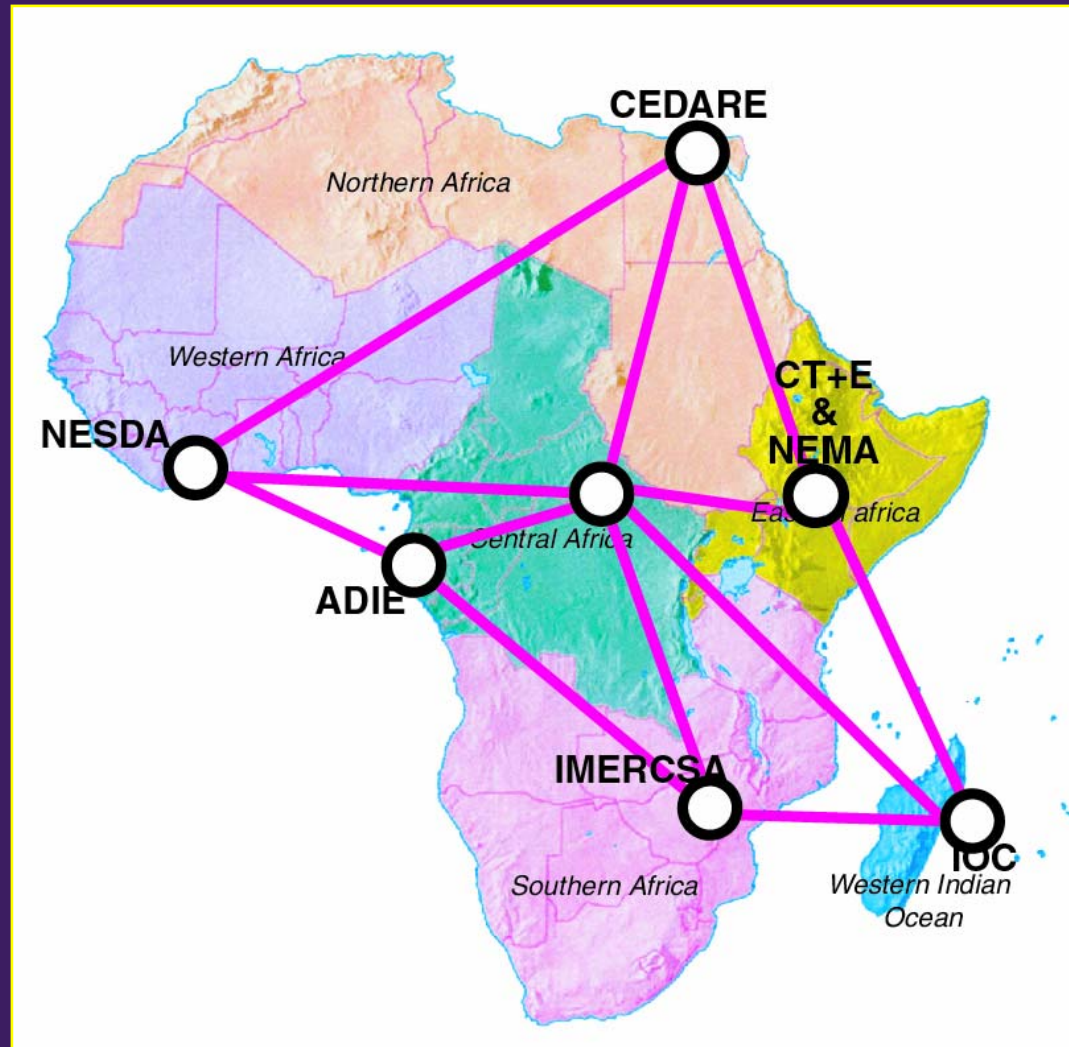


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Methodology of preparing AEO-2

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Other Partners



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- AU, AMCEN, NEPAD Secretariat, ECA, ADB
- Governments
- Sub-regional economic groups
- Scientific community
- Data centres
- NGOs
- Youth (AEO-for-Youth)
- Private sector



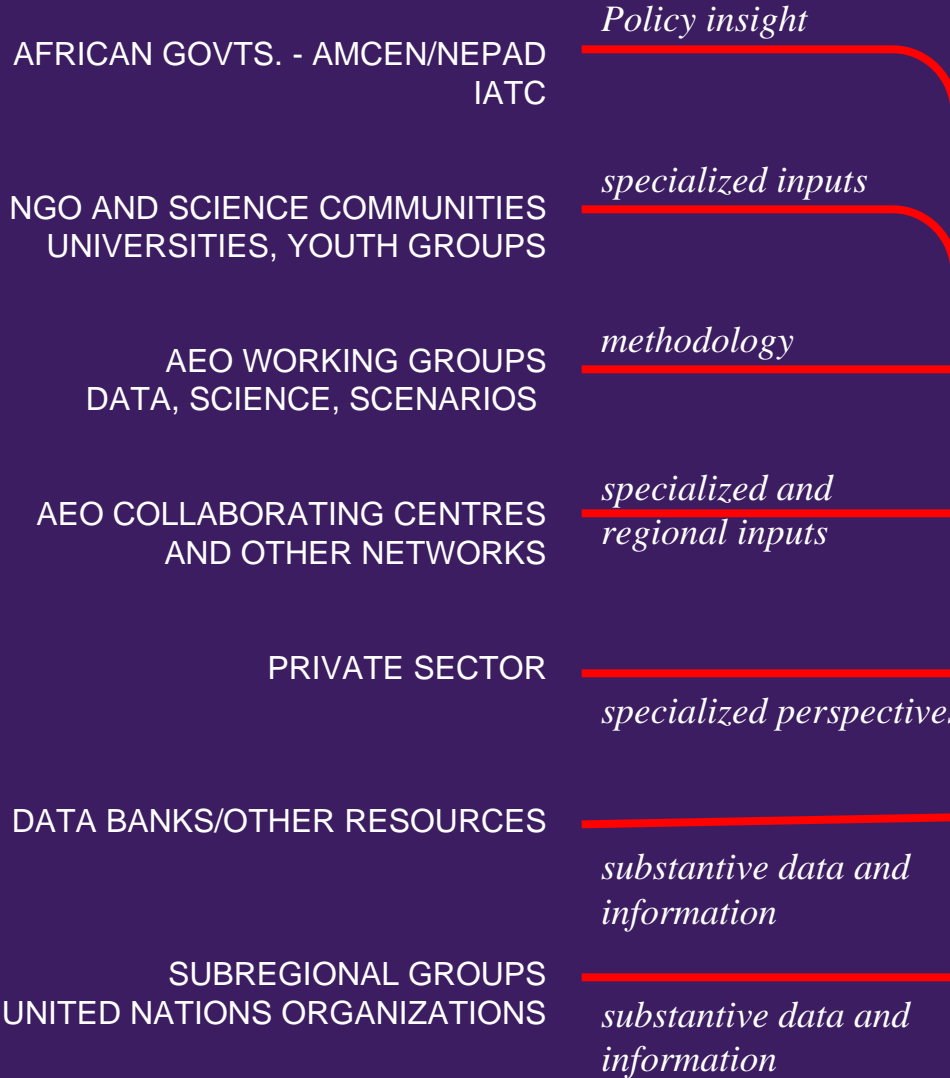
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Methodology



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capacity building and training

UNEP COORDINATION

AEO PROCESS FOR REGIONAL/ NATIONAL ENVIRONMENTAL ASSESSMENT

**PRODUCTS
AEO, CASE STUDIES,
POLICY BRIEFS,
GUIDELINES,
MANUALS
YOUTH REPORT**





AEO-2 Report

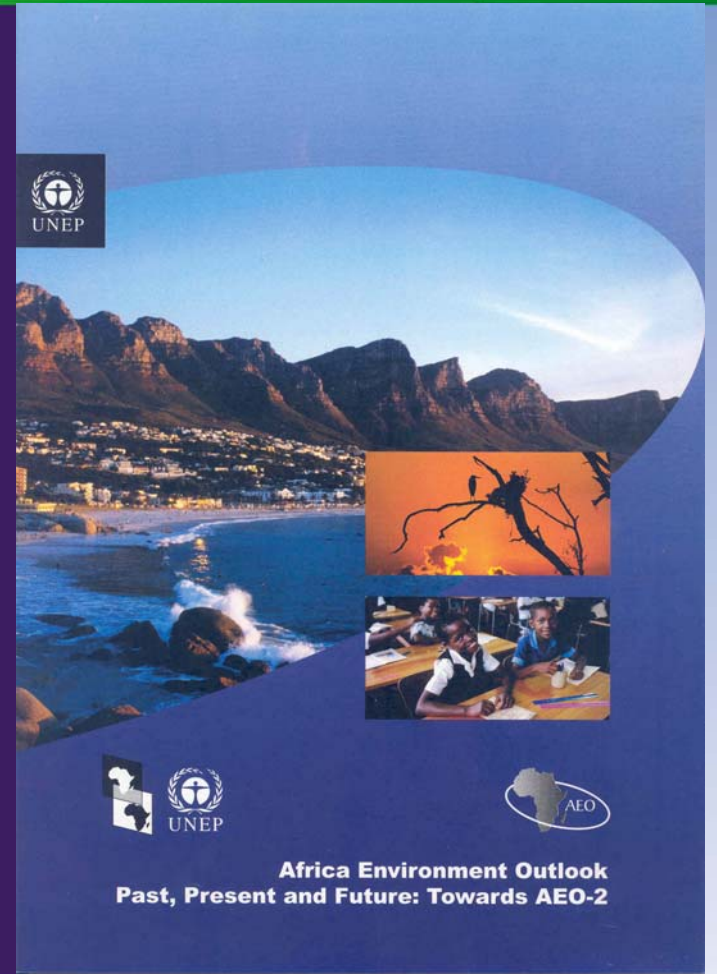


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The process for the second AEO report is now underway. It was endorsed by AMCEN in June 2004.

Its objectives:

- Providing an integrated analysis of emerging issues under the NEPAD Environment Action Plan thematic areas, focusing on the driving forces, the impacts on human vulnerability. Will also highlight opportunities.



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AEO-2 Report



The NEPAD Environment Action Plan thematic areas:

- ❑ **Combating land degradation, drought and desertification**
- ❑ **Conserving Africa's Wetlands**
- ❑ **Preventing, Control and Management of Invasive Alien Species**
- ❑ **Conservation and sustainable use of marine, coastal and freshwater resources**
- ❑ **Combating Climate Change in Africa**





AEO-2 Report



- ❑ **Cross-Border Conservation or Management of Natural Resources**
- ❑ **Biodiversity, Biosafety and plant genetic resources**
- ❑ **Forests**
- ❑ **Cross-cutting themes:**
 - ❑ Health and the environment
 - ❑ Transfer of environmentally sound technologies
 - ❑ Assessment and Early warning for natural disaster

NOTE: Important to note wording of these themes: positive rather than negative





AEO-2 Report



□ Help track regional level progress in terms of meeting the environmental targets set under the Millennium Development Goals (MDG). All the 8 goals are critical to SD in Africa.

The 8 goals are:

- Eradicate extreme poverty and hunger
- Achieve universal primary education
- Promote gender equality and empower women





AEO-2 Report



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- ❑ Reduce child mortality
- ❑ Improve maternal health
- ❑ Combat HIV/AIDS, malaria and other diseases
- ❑ Ensure environmental sustainability
- ❑ Develop a global partnership for development

NOTE: Both NEPAD and MDGs goals key to relevance of AEO-2



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AEO-2 Structure



- ❑ Chapter 1: Environment & Human Development
 - ❑ Socio-economic issues – drivers/pressures
- ❑ Chapter 2: Opportunities for development
 - ❑ Resources available as assets for development
 - ❑ Thematic and policy interlinkages
- ❑ Chapter 3: Emerging issues
- ❑ Chapter 4: Environment for peace and security
- ❑ Chapter 5: Outlook (+scenarios)
- ❑ Chapter 6: Conclusions & recommendations





MDGs and Environment



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Millennium Development Goals	Examples of Links to the Environment
1. Eradicate extreme poverty and hunger	Livelihood strategies and food security of the poor often depend directly on healthy ecosystems and the diversity of goods and ecological services they provide.
2. Achieve universal primary education	Time spent, for example, collecting water and fuelwood by children, especially girls, can reduce time at school.
3. Promote gender equality and empower women	Poor women are especially exposed to indoor air pollution and the burden of collecting water and fuelwood, and have unequal access to land and other natural resources.





MDGs and Environment



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4. Reduce child mortality

Water-related diseases such as diarrhoea and cholera kill an estimated 5 million people a year in developing countries, the majority of which are children under the age of five.

5. Improve maternal health

Indoor air pollution and carrying heavy loads of water and fuelwood adversely affect women's health and can make women less fit for childbirth and at greater risk of complications during pregnancy.

6. Combat major diseases

Up to one-fifth of the total burden of diseases in developing countries may be associated with environmental risk factors. Every 30 seconds, an African child dies of malaria - more than 1 million deaths a year.

7. Ensure environmental sustainability

Current trends in environmental degradation must be reversed in order to sustain the health and productivity of the world's ecosystem





MDGs and Environment



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MDG	Targets	Examples of related NEPAD-EP PA
Ensure environmental sustainability	<ul style="list-style-type: none">□ Integrate the principles of sustainable development into country policies and programmes and reverse the loss of environmental resources□ Halve by 2015 the proportion of people without sustainable access to safe drinking water□ By 2020 to have achieved a significant improvement in the lives of at least 100 million slum dwellers	<ul style="list-style-type: none">□ <u>PA1</u>: Integrate strategies of poverty eradication into programmes and projects related to desertification control and mitigation of effects of drought□ <u>PA5</u>: Integrate national adaptation strategies into national sustainable development planning□ <u>PA2</u>: Development of plans and policies to promote the wise use of wetland□ <u>PA1</u>: Promotion of the development of sustainable water supply and sanitation in the drylands





AEO-2 Report



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□ Building on the AMCEN policy recommendations, AEO-2 will try to evaluate the impact of policy responses on the environmental performance in the region.



□ Using policy relevant indicators, AEO-2 will try to highlight some policy actions that would enhance community benefits from improved natural resources management and reduce poverty.



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AEO-2 Report



- ❑ Underlying theme of the AEO-2 report is **Environment for Development:**
 - ❑ to highlight the **environmental assets** at sub-regional and regional levels
 - ❑ to highlight the **opportunities** these assets provide to alleviate extreme poverty and achieve sustainable development
 - ❑ to identify the **threats** to these assets and efforts by the region to better manage its resources and raise standard of living





The AEO/GEO Process



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Coordination of Africa Environment Outlook process (UNEP/AMCEN)

Collaborating Centre network: of 6 scientific and policy institutions in Africa, Capacity Building

Regional consultations on environmental assessment findings and policy implications

Supported by Regional Working Groups (Data, Policy, Scenario) Inputs by UN Organizations



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THE AEO/GEO Pyramid



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IEA

harmonized
processes

nested products
global/regional/thematic

Underpinned by sound data and science



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AEO/GEO Essentials



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- Underpinned by sound data, information and science
- Global and regional perspectives
- Integrated
- SOE and policy
- Identifying priority issues
- Forward looking
- Policy relevant and action oriented
- Sustainable development oriented



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Towards AEO/GEO-4



Jan 2004 consultations on strengthening the scientific base of UNEP

- ❑ Strengthening the linkages with other assessments and the international scientific community
- ❑ Improving the quantity, quality and accessibility of environmental data
- ❑ Further strengthening the the network of collaborating centres with additional institutions of high scientific credibility in all regions
- ❑ Strengthening and expanding peer review process
- ❑ Strengthening and expanding capacity building in environmental research monitoring and assessment at national, sub-regional and regional levels





Other environment outlooks



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- ❑ **UNEP works with partners at different levels to prepare:**
 - ❑ **Sub-regional reports**
 - ❑ **National reports**
 - ❑ **Ecosystem reports**
 - ❑ **Special focus reports**






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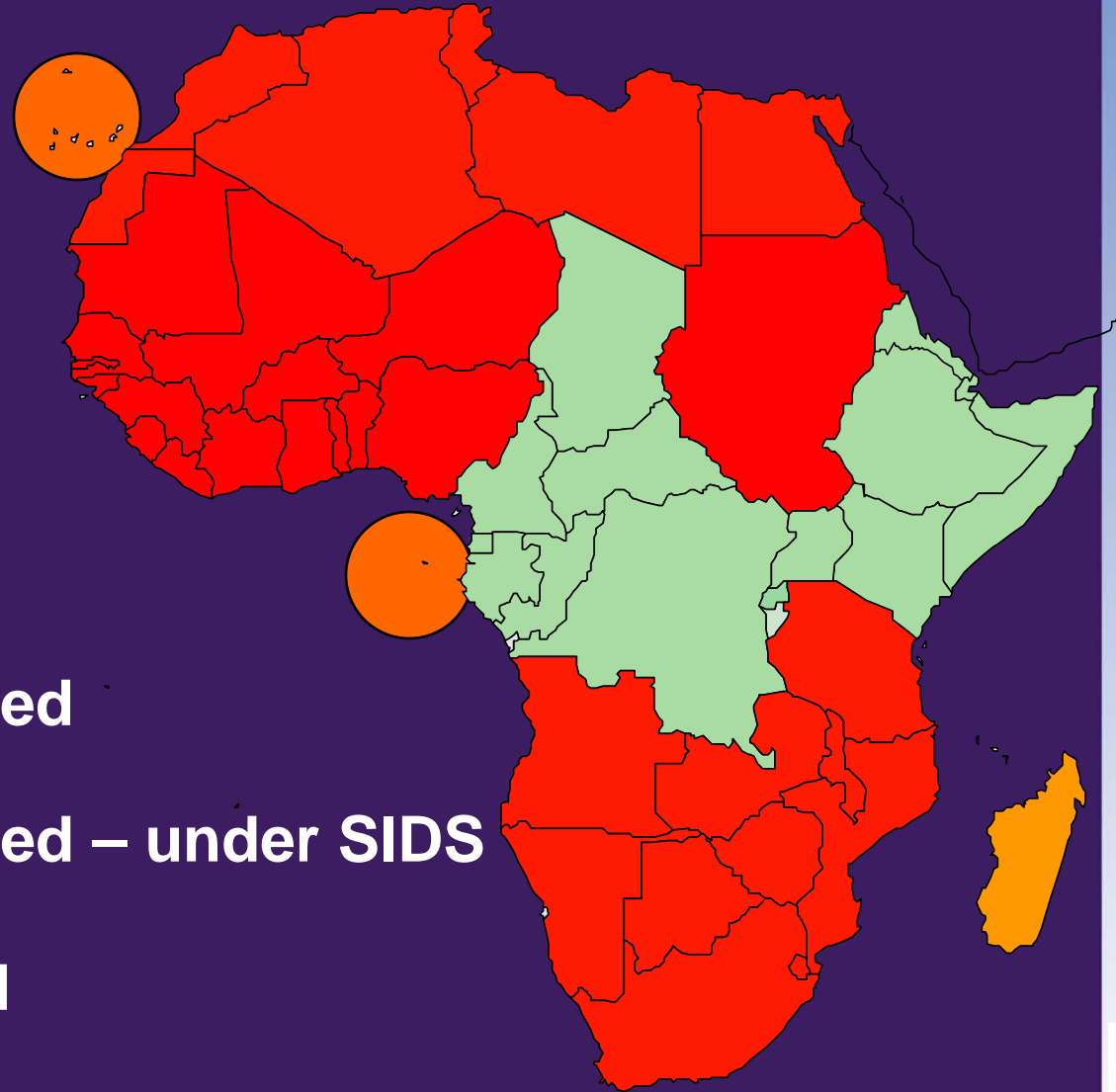


Sub-regional Reports



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-  **Completed**
-  **Completed – under SIDS**
-  **Planned**








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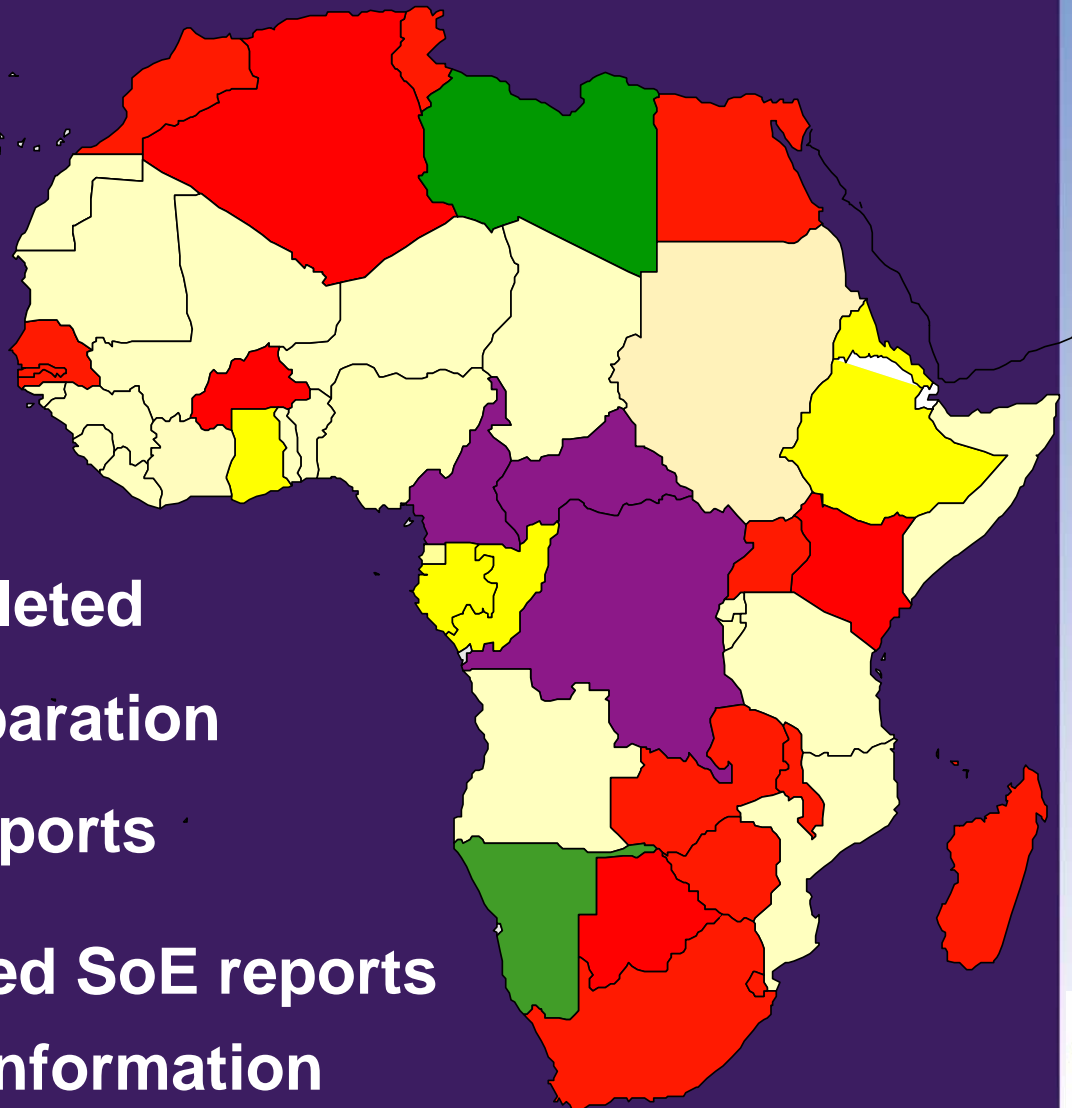


National Reports



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-  SoE Completed
-  Under preparation
-  SoE-like reports
-  GEO-derived SoE reports
-  No report/information



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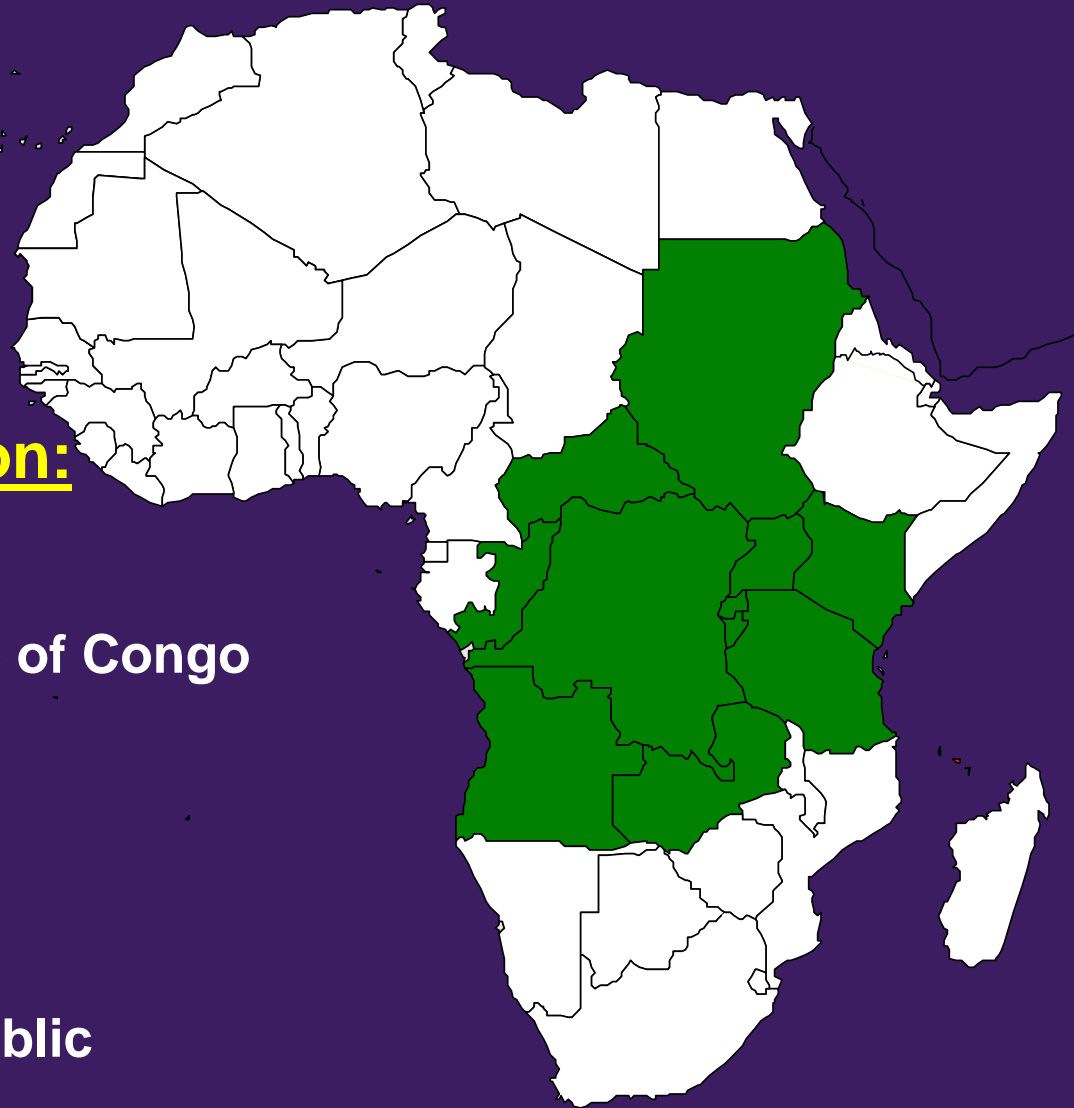
Special Focus Environment Outlook



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Great Lakes region:

- Burundi
- Kenya
- Democratic Republic of Congo
- Rwanda
- Tanzania
- Uganda
- Zambia
- Angola
- Central African Republic
- Congo Brazaville
- Sudan



AFRICA ENVIRONMENT OUTLOOK



Africa EIN

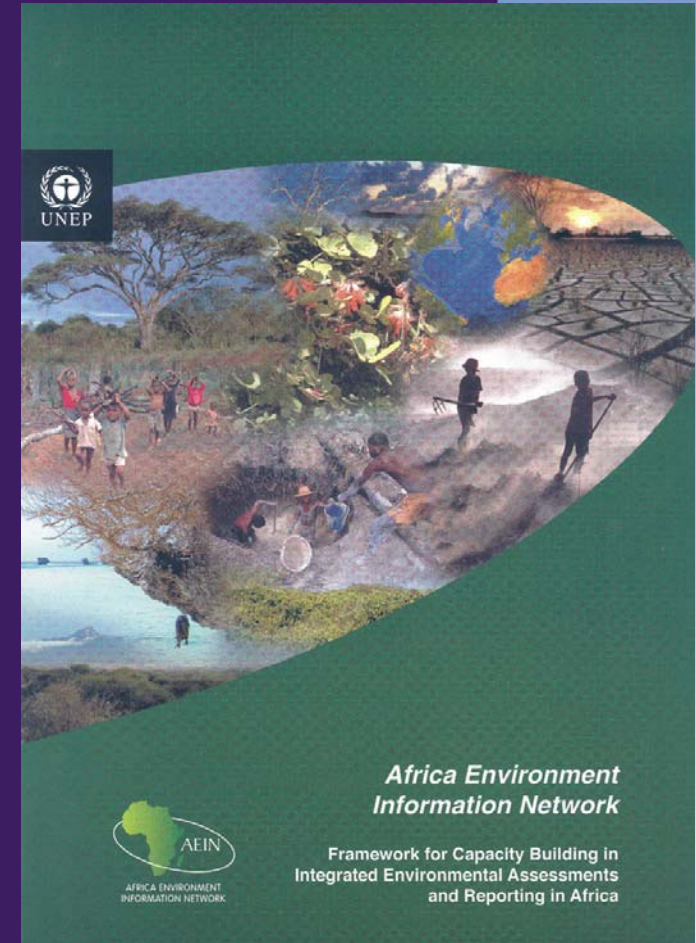


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In terms of information resources critical to AEO-2 and other reports, UNEP is coordinating:

- **Africa Environment Information Network (AEIN)**

- Goal is to strengthen the capacity of African countries to harness and access environmental information and knowledge to support the management of Africa's natural resources.









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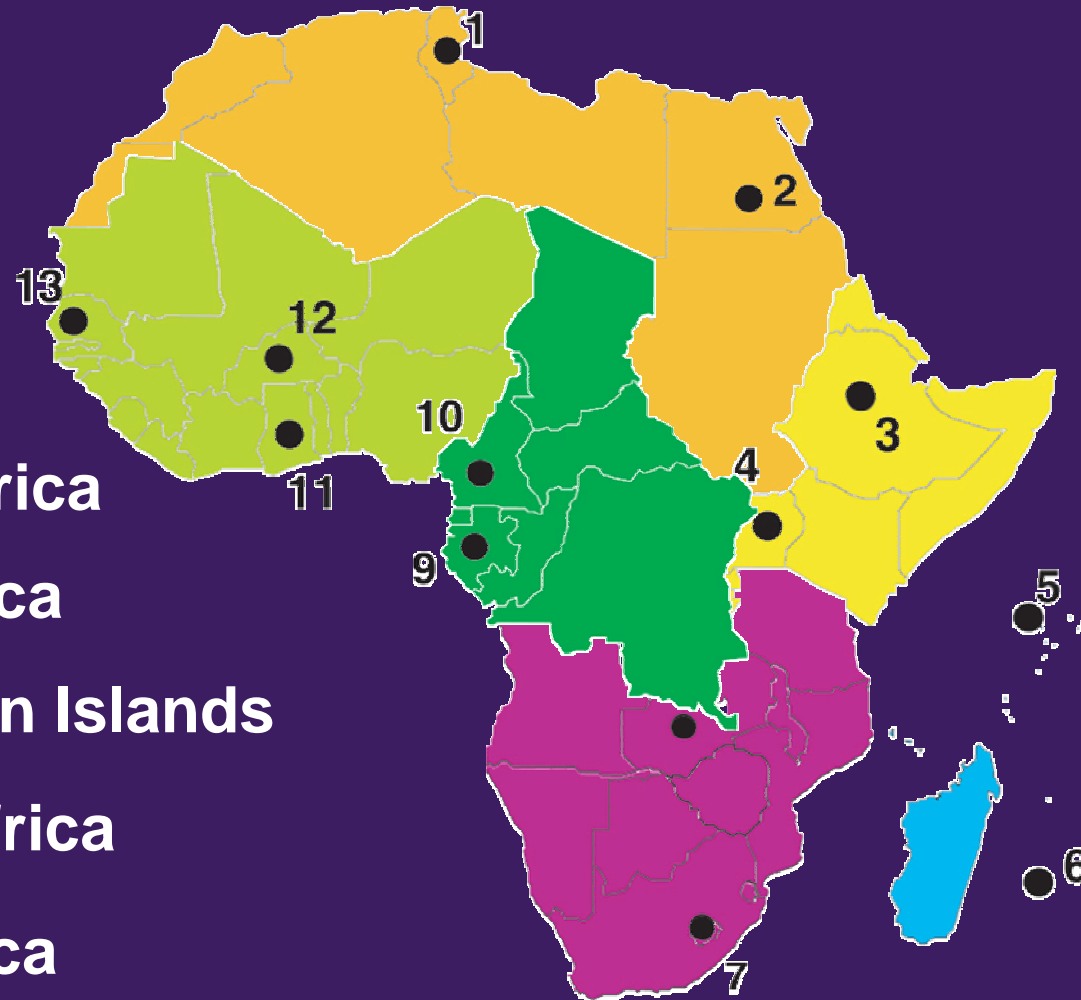


Africa EIN



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-  Northern Africa
-  Eastern Africa
-  Indian Ocean Islands
-  Southern Africa
-  Central Africa
-  Western Africa





Africa EIN



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□ UNEP, as part of the AEIN initiative, is distributing to each ministry of environment in Africa complete national coverage of satellite images and elevation data for the country.

Kisangani





Africa EIN



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□ The distribution of these images enhances access to relevant and up-to-date data and information for effective environmental assessment and reporting at different levels.

Tripoli



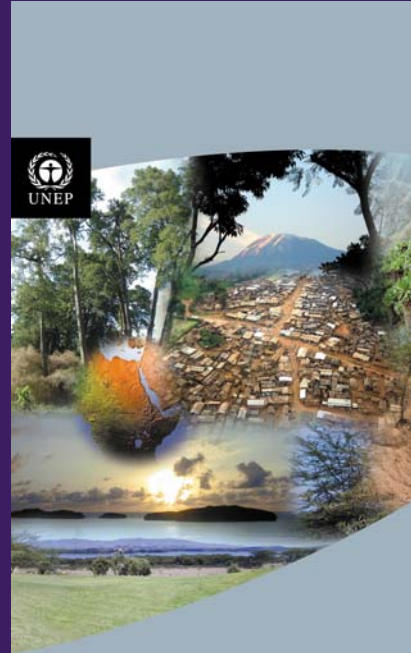


Africa EIN

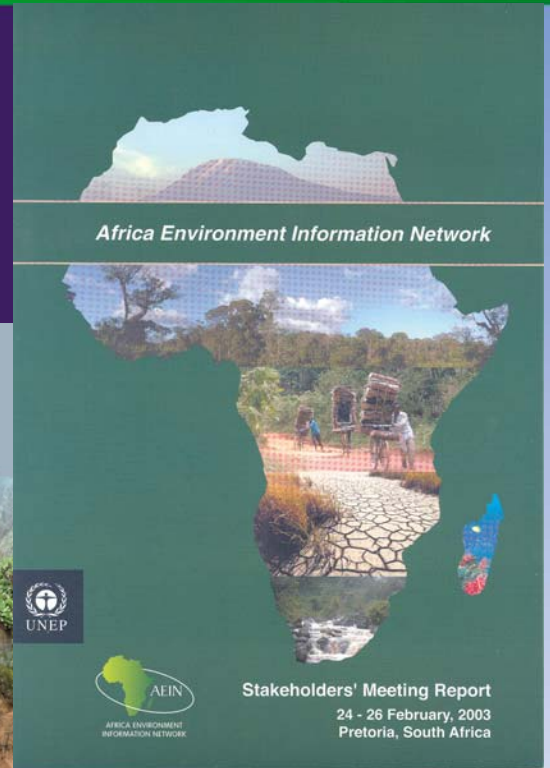


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AEIN provides a framework for cooperation and coordination among the various environmental information management initiatives in Africa. It provides framework for data management for AEO/ GEO reporting and an institutional mechanism for **Capacity Building** in integrated environmental assessment.



*Africa Environment Outlook - 2
And the Africa Environment
Information Network Process*



*Stakeholders' Meeting Report
24 - 26 February, 2003
Pretoria, South Africa*



AFRICA ENVIRONMENT OUTLOOK





Capacity building



- **Capacity Building has been an integral component of the GEO and AEO processes since the very beginning, 1995 and 2000 respectively.**
- **GEO capacity building focuses on strengthening the capacity of AEO partners i.e. CCs in integrated environmental assessment (IEA) and reporting. African universities key partners in training.**





Capacity building



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- Role of African universities highlighted in the AMCEN Sirte Declaration of June 2004. It calls for the strengthening of the role of universities in training in integrated environmental assessment and reporting.



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Capacity building

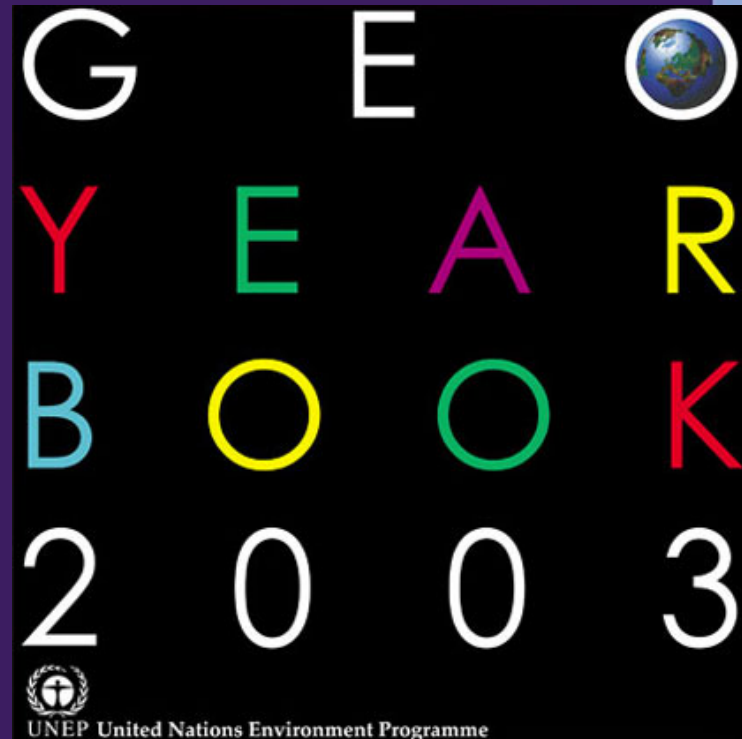


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The capacity building involves:

- Participation in the GEO and AEO processes and preparation of inputs to the GEO and AEO reports, including working meetings.

Participation now also includes GEO Year Book



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Capacity building



- Provision of specialized training courses
- Provision of equipment (*hardware and software*)
- North-south and south-south collaboration





Capacity building



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□ Participation in the GEO/AEO processes gives CCs in Africa "hands-on" experience and involvement in the process of developing GEO and AEO reports.

□ "Learning by doing" is a very effective way of developing individual and institutional capacity.



AFRICA ENVIRONMENT OUTLOOK



Capacity building



Specialized training courses are used to support the GEO/AEO processes by developing particular skills in IEA and reporting, which covers the following areas:

- ❑ **Integrated analysis of state of the environment and policy retrospectives**
- ❑ **Data integration and analysis**
- ❑ **Alternative policies studies**
- ❑ **Scenario development and modelling**
- ❑ **Electronic publication and information dissemination**





Capacity building



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❑ To date, GEO/AEO capacity building has been undertaken when a need arose and resources were available. Needs assessment, planning and implementation of these activities is undertaken by DEWA in 6 UNEP regions.

❑ In Africa, AEO/GEO capacity building has been undertaken at national, sub-regional and regional levels.



AFRICA ENVIRONMENT OUTLOOK



Capacity building



The DEWA CB strategy in integrated environmental assessment and reporting aims to achieve some of the following results:

- ❑ **Strengthened institutional capacities to generate and handle multi-sectoral environmental data and information using integrated assessment tools developed by UNEP**



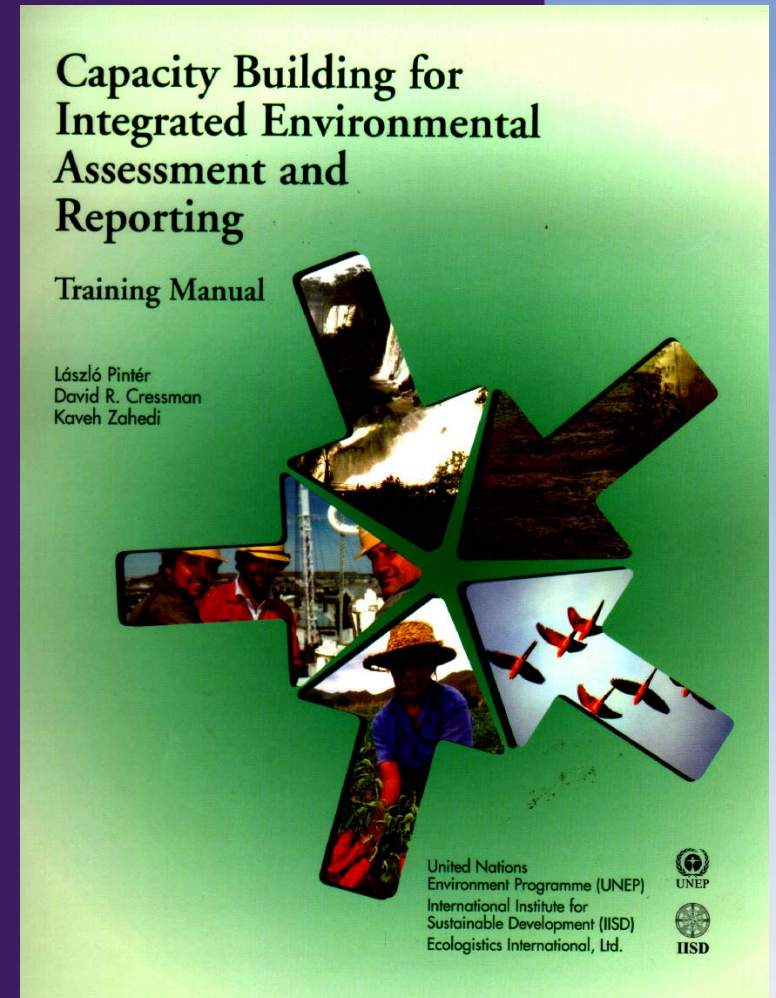


Capacity building



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- Increased national capacities for environmental assessment through tailored training and exchange of information on best practices
- A pool of trainers available at the sub-regional level to train national focal points in integrated assessment and reporting methodologies





Capacity building



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□ An enhanced capacity of African CCs to contribute to the UNEP global assessment programmes.

The main outputs will be:

□ Regional network of specialized partner institutions and expertise to help build capacities for environmental assessment and reporting at national, sub-regional and regional levels



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Capacity building



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Integrated and harmonized capacity building package for integrated environmental assessment and reporting.

This will include:

Trainers' guides and course materials, adapted if necessary from those prepared at the global level



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Capacity building



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- Regional guidelines/ manual adapted from the generic support materials that have been prepared at the global level such as the GEO Toolkit and AEO-EIS/GEO Africa Data Portal User Guidelines

AEO-EIS

UNEP Africa Environment Outlook – Environment Information System (AEO-EIS)

System Name

	Data And Indicators
	Experts Database
	Documents Database
	Security Module
Exit	

ADF CEDARE KEMSA SARDIC AEO

AFRICA ENVIRONMENT OUTLOOK
DATA AND INFORMATION PORTAL





Capacity building



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- Train the IEA trainers workshops using the above materials to ensure harmonization of the process
- Regional/national training workshops, using the above materials, to train government officials and personnel from other key institutions on data & indicators, IEA, scenarios etc



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Capacity building



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□ Specialized training on AEO-2 and GEO-4 guidelines and methodologies for GEO CCs in Africa resulting in sound contributions and inputs to UNEP's global assessment programme, and more specifically to AEO-2, GEO Year Books, and GEO-4.



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Division Of Early Warning And Assessment

Thank You



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