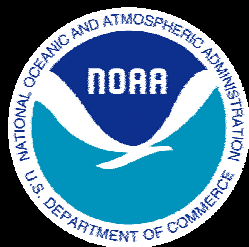




Committee on Earth Observation Satellites (CEOS)
Working Group on Education, Training & Capacity Building (WGEdu)



Renée A. Leduc Clarke
Vice-Chair, CEOS WGEdu and CEOS Representative to GEO CB Committee
NOAA Satellite & Information Service
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GEO Capacity Building Workshop, 29-31 May 2006



Outline



- 🌐 What is CEOS?
- 🌐 What is WGEdu?
- 🌐 Inputs to GEO CB Tasks
- 🌐 CEOS and Capacity Building Since WSSD
- 🌐 African Advisory Group to CEOS
- 🌐 Recommendations to GEO CB Committee
- 🌐 CEOS WGEdu Portal – Demonstration



What is CEOS?



CEOS = Committee on Earth Observation Satellites

- 🌐 CEOS membership encompasses the world's government agencies responsible for civil Earth observation (EO) satellite programs, along with agencies that receive and process data acquired remotely from space.
- 🌐 25 Member Agencies, 20 Associate Members

At 19th CEOS Plenary in London, England:

- 🌐 Established CEOS as the primary source of space-based observations in support of GEOSS implementation.
- 🌐 Redirected activities of CEOS Working Groups to focus on GEOSS implementation.



What is WGEdu?



The goal of the CEOS Working Group on Education, Training and Capacity Building (WGEdu) is to facilitate activities that enhance international education, training and capacity building related to space-based Earth observation.

The WGEdu focuses its work in three key areas in coordination with GEO:

- a) Collects & disseminates satellite data, information, and educational resources;
- b) Develops and promotes space-based capacity building initiatives;
- c) Coordinates activities with all CEOS agencies and the GEO CB Committee.



Inputs to CB Tasks



ANNEX 1 - WGEdu Participation in GEO Tasks

Societal Benefit / Transverse Area	WORK PLAN TASKS	CEOS Role	AFFILIATION OF POC	POINT OF CONTACT
AGRICULTURE	Ag-06-07	CONTRIBUTING ORGANIZATION	EUMETSAT	Gordon Bridge (Gordon.bridge@eumetsat.int)
DISASTER	DI-06-12	LEAD ORGANIZATION (Not Lead POC)	UNOOSA	David Stevens (David.stevens@unvienna.org)
ECOSYSTEMS	EC-06-07	CONTRIBUTING ORGANIZATION	IOC	Justin Ahanhanzo (J.ahanhanzo@unesco.org)
WATER	WA-06-06	CONTRIBUTING ORGANIZATION	ESA	Maurizio Fea (maurizio.fea@esa.int)
	WA-06-07	CONTRIBUTING ORGANIZATION	EUMETSAT	Gordon Bridge (Gordon.bridge@eumetsat.int)
WEATHER	WE-06-05	CONTRIBUTING ORGANIZATION	U.S. (NOAA)	Renée A. Leduc Clarke (renee.leduc.clarke@noaa.gov)
CAPACITY BUILDING	CB-06-01	LEAD ORGANIZATION (Not Lead POC)	U.S. (NOAA)	Renée A. Leduc Clarke (renee.leduc.clarke@noaa.gov)
	CB-06-02	CONTRIBUTING ORGANIZATION	U.S. (USGS)	Bryan Bailey (gbbailey@usgs.gov)
	CB-06-03	LEAD ORGANIZATION (Not Lead POC)	UNESCO	Yolanda Berenguer (Y.berenguer@unesco.org)
OUTREACH	OR-06-01	CONTRIBUTING ORGANIZATION	UNESCO	Yolanda Berenguer (y.berenguer@unesco.org)

(Major CEOS roles appear with blue background.)



History: CEOS and CB



Following WSSD in Johannesburg in 2002:

- 🌐 CEOS focused its activities on the CEOS WSSD follow-on programme addressing the "Earth observation" components of the WSSD outcomes.
- 🌐 Workshop on African User Needs in Stellenbosch, South Africa in October 2003.

Developed CEOS Principles on Capacity Building:

- 🌐 Referred to frequently by CEOS Agencies
- 🌐 Focused on the value of indigenous knowledge to sustainable development which employs satellite data.



African Advisory Group



Developed partnership with African satellite data user community:

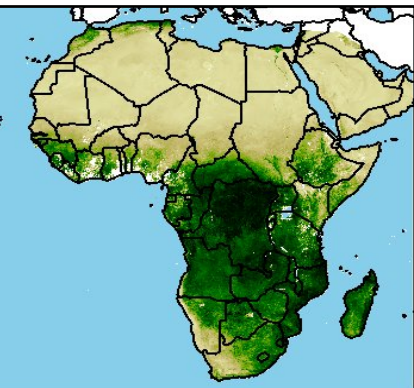
- 🌐 Created African Advisory Group – an *ad hoc* group that meets on the side of major conferences in Africa to discuss shared user issues and make recommendations to CEOS.
- 🌐 Chair= Dr. Wilber Ottichilo, Regional Centre for Mapping of Resources for Development (RCMRD), Nairobi, Kenya
- 🌐 Vice Chair= Prof. Souleye Wade, Cheikh Anta Diop Université, Dakar, Senegal



Feedback from Africa

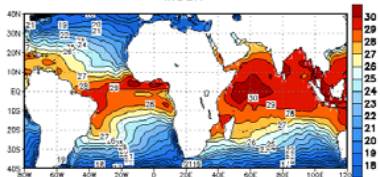


Input from Nigeria and the African Association of Remote Sensing of the Environment (AARSE)

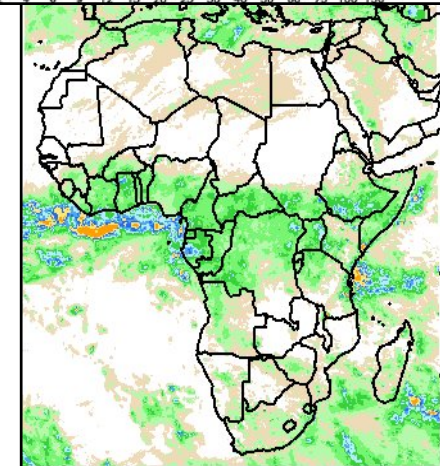
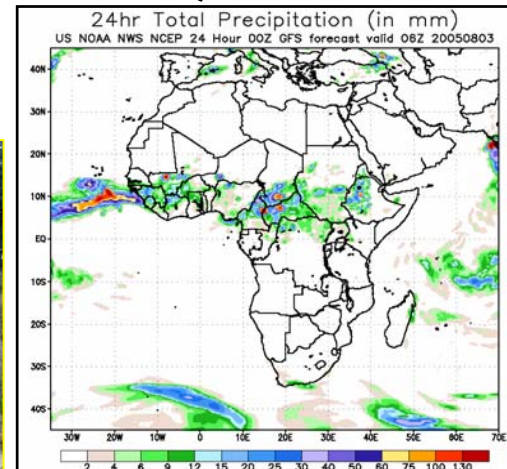
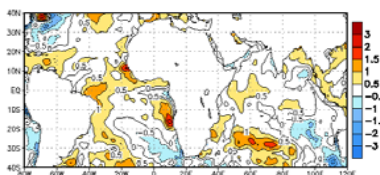


Sea Surface Temperatures (deg C)
for Week centered on 26 APR 2006

Mean



Anomalies










Focus on GEO CB



Recent Consultations with GEO CB Chairs:

-  April 2006 WGEdum meeting in Vienna

Key Recommendations:

-  Importance of comprehensive survey and gaps analysis – identifying best practices.
-  Outreach to user communities to hear their needs.
-  Develop a strategy that is accessible – interesting to read – need for clear incentives for implementation.
-  Evaluate for success
-  Build on what has already been done.



Discovery Portal for Earth Observation Education and Training Resources and Satellite Data

<http://wgedu.ceos.org>

(click on “educational resources”)

🌐 Existing infrastructure that GEO could build upon



Objectives of W GEdu Portal:

- 🌐 To provide free access to Earth observation education and training resources and environmental data
- 🌐 To establish an effective coordination and partnership mechanism among CEOS agencies and institutions.

<http://wgedu.ceos.org>

(click on “educational resources”)



Thank you!

