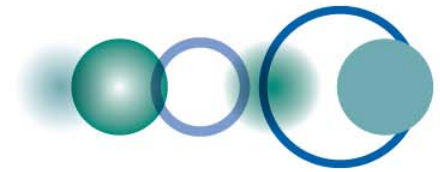


CB-09-05-e
Data Democracy

Lead: Gilberto Camara (CEOS Chair, 2010)

Presenter (POC): Hilcea Ferreira (INPE, Brazil)



Background

2004 – CBERS free data policy in Brazil

- ✓ CBERS data available on the Internet free of charges

2007 – CBERS for Africa Initiative

- ✓ Extension of CBERS free data policy for Africa

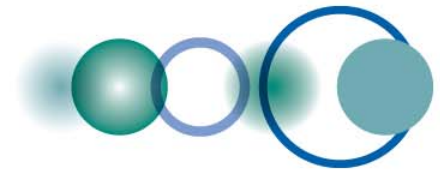
2008 – Unrestricted and full access to Landsat data

October 2008: “Data democracy for developing countries” was adopted by the CEOS Chair (CSIR) as the special project.

2009

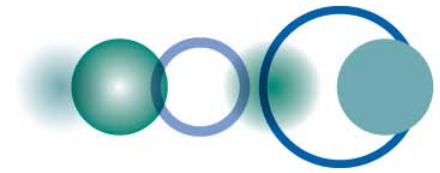
- ✓ Continuous support from GISTDA – Thailand (CEOS Chair 2009);
- ✓ ESA announced free data policy for GMES
- ✓ [Data Democracy approved as a new GEO task: CB-09-05E](#)

2010 - Continuous support from INPE (CEOS Chair 2010)



Four Pillars of Data Democracy

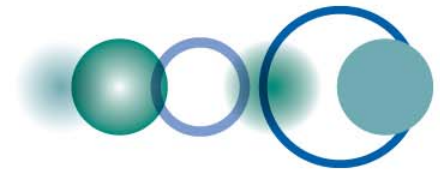
- ✓ Unhindered access to EO information;
- ✓ Open Source Software and open systems;
- ✓ Adequate dissemination models that reflect the realities of bandwidth in developing countries;
- ✓ Locally initiated cross-border collaborative projects and intensive capacity building and training programs.



CB-09-05-e – Task Definition

Strengthen the Earth observation data utilization cycle by broadening in-situ data/information access, increasing data dissemination capabilities, sharing software tools, and transferring the technologies to end users.

CEOS shall encourage its members to share their above mentioned capabilities to the users, especially in developing countries.



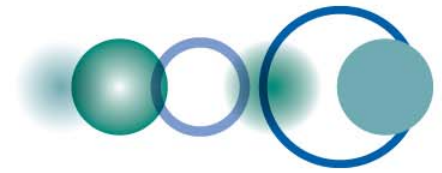
Data Democracy (CB-09-05e)

Completed actions

1. Training Program for Data Democracy disc (Fundisa Disc) to South African Universities.
2. Ongoing GIS training course package with open source software for use at secondary school level in South Africa.
3. Data Democracy seminar: to introduce the Program to CEOS members in Asia

Bangkok, Thailand, June 25-26, 2009

2. Responded to GEO CFP for EO for Decision Support Projects – Concept proposal submitted.
3. Surveying form to users in SE Asia: to seek what they need
Received responses from Lao, Malaysia, Philippines, Singapore, and Thailand



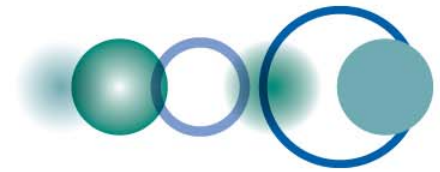
PLANNED ACTIVITIES FOR 2010

CEOS-GEO ACTIONS

1- Capacity Development;

2 - Data Set Access and Technology Transfer.

3- Software Tools;



Data Democracy (CB-09-05e) Capacity Development

Planned activities

1. Data Democracy training Workshop:

To transfer technologies about application of EO information for climate change to user community in working level in South East ASIA

WS program theme: focusing on Climate Change and relevant free-software/data/applications for SE Asia

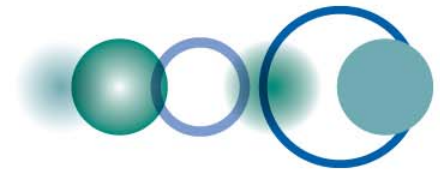
Place: GISTDA Headquarters, Bangkok

Date: 7-10 June 2010

Lecturer(s): Experts from CEOS and Working Groups (around 10 people)

Target Participants: Asian (Climate relevant)

Expected participants: 30 people (from SE Asia)



Data Democracy (CB-09-05e) Capacity Development

Planned activities (continued)

- 2. Activity involving the GEOSS Common Infrastructure** and registry of components → focusing on real deliverables for the GEO Ministerial next November.

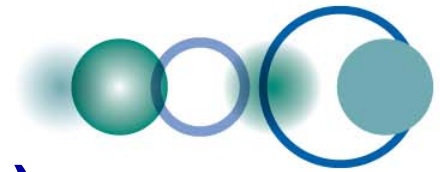
Current Status: GEOSS Registry included 203 Components and 104 Services. A critical mass of registry content is needed → collective action is needed to bring GEOSS in line with the requirements for addressing a range of issues of concern to society.

Activity Plan:

During GEO Work Plan Workshop in Pretoria face-to-face training and demonstration CEOS agencies to indicate points of contact to be trained (Webex) and then disseminate back on their agencies.

Outcomes: Achieving a Critical Mass of GEOSS Data Sets and Services for Societal Benefit.

Beijing Ministerial: Generate printed material to be distributed during GEO 2010 Ministerial Summit



Data Democracy (CB-09-05e)

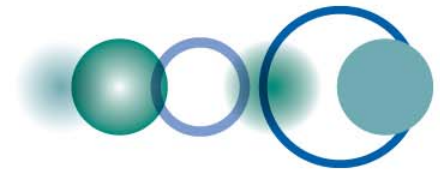
Data Set Access and Technology Transfer

Planned activities

1. Data Democracy Portal Development:

To integrate all relevance data and information from worldwide into the Portal which will include available images, Open Source Software, Training Course Online, etc.

Lead CEOS Agency: GISTDA



Data Democracy (CB-09-05e)

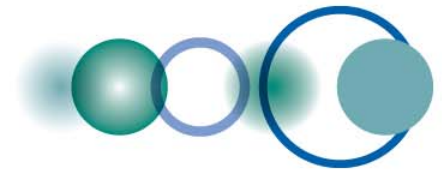
Software Tools

Planned activities

Strengthen the Earth observation data utilization cycle by sharing Software Tools in developing countries

- Get acquainted of any existing GIS and RS open source software inventories available or used by CEOS Agencies
- Create a questionnaire to detail the main characteristics, functionalities, strengths of existing tools at each agency
- Establish a complete list of free GIS & image processing tools such as libraries or software developed by CEOS members
- Each agency provides information on its own products.

Lead Agency: CNES



Conclusions

Data democracy

=

Free data + OS software + capacity building

=

Community Building

How do we build an EO community in developing countries?

More coordination is needed...