

Report of the Capacity Building Committee (CBC)

Alan Edwards, European Commission

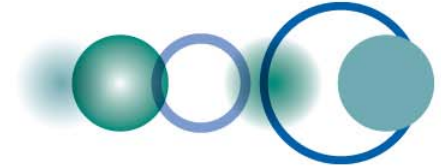
On behalf of the CBC Co-chairs

GEO VI-Plenary

Washington D.C., U.S.A.

17-18 November 2009

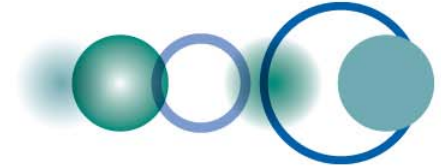




CBC Membership

- Argentina, Australia, Bangladesh, **Brazil (co-chair)**, Canada, China, Croatia, Egypt, **European Commission (co-chair)**, France, Germany, Greece, India, Iran, Italy, Japan, Korea, **Madagascar**, Moldova, Morocco, Netherlands, New Zealand, Niger, Portugal, Russia, **South Africa (co-chair)**, **Spain (co-chair)**, Switzerland, Thailand, Uganda, Ukraine, USA, Uzbekistan.
- AARSE, APN, CEOS, EEA, EIS-Africa, EUMETSAT, EuroGeo Surveys, FDSN, GCOS, IAG, ICIMOD, IEE, IOEP, IOC, ITC, ISCGM, ISPRS, POGO, UNEP, **UNESCO (co-chair)**, UNODC, WCRP (START), WMO

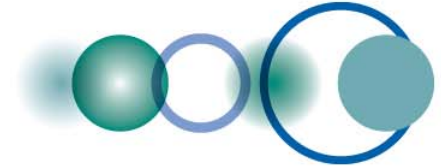
The CBC welcomes active participation from all GEO Members and Participating Organisations



Capacity Building Strategy in GEO

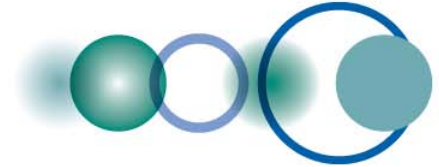
An integrated approach based on three complementary elements:

- **Infrastructure CB:** HW, SW and other technology required to develop, access and use EO.
- I**³ • **Individuals (Human) CB:** education and training of individuals to be aware of, access, use and develop EO.
- **Institutional CB:** building policies, programs & organizational structures in governments and organizations to enhance the value of EO data and products.



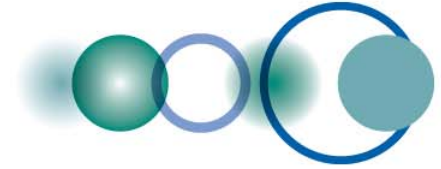
Principles for GEO Capacity Building

- Build on existing efforts and best practices;
- Focus on user needs;
- Foster collaboration and partnership;
- Have a holistic view! I³, End-to-End (E2E) in all SBAs, at the global, regional and local levels;
- Enhance the sustainability of Earth observation capacity building efforts.



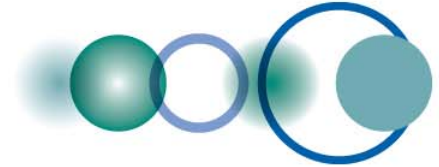
CBC Meetings

- **9th CBC Meeting, 27-29 April 2009, Athens**
- **Capacity Building Roadmap, 2-3 July 2009, Paris**
- **10th CBC Meeting, 14-16 September 2009, Melbourne**
- 11th CBC Meeting, end-January 2010, ITC or Brazil
- 12th CBC Meeting, ~June 2010, co-located with other committees
- 8th CBC Meeting, 21-24 September 2008, Boulder Colorado, USA
- 7th CBC Meeting, 3-4 June 2008, Tashkent, Uzbekistan
- 6th CBC Meeting, 13-14 February 2008, Hannover, Germany
- 5th CBC Meeting, 12-13 September 2007, Seville, Spain
- 1st GEO – Donor CB Symposium: Linking strengths for sustainable Earth observation, 10-11 September 2007, Seville, Spain
- 4th CBC Meeting, 31 May -1 June 2007, Geneva, Switzerland
- 3rd CBC Meeting, 31 January – 1 February 2007, Tenerife, Spain
- 2nd CBC Meeting, Brussels, Belgium
- 1st CBC Meeting,



CBC Activities

- Developed capacity building Strategic Targets.
- Updated capacity building OATs for work plan.
- Developing capacity building Roadmap
- Coordinating OATs and respective subtasks.
- Managing UIC/CBC-CFP



Strategic Target for Capacity Building

Before 2015, GEO aims to:

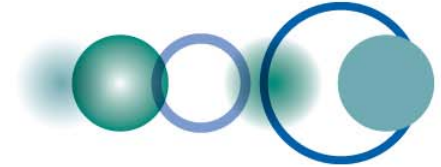
Enhance the coordination of efforts to strengthen individual, institutional and infrastructure capacities, particularly in developing countries, to produce and use Earth observations and derived information products.



Strategic Target for Capacity Building

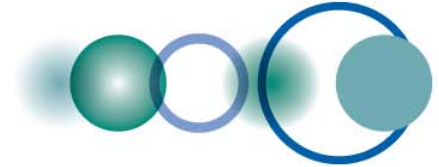
Will be demonstrated by:

- Networking activities that specifically build individual, institutional and infrastructure capacity.
- Leveraging resources for Earth observation capacity building efforts.
- Uptake Increased use of Earth observation in policy and decision making.
- Enhanced participation of developing countries in GEO and GEOSS.



GEOSS Roadmap: CB component under development

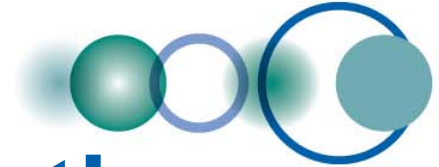
- Responds to call in the “*Strategic Targets: GEOSS Implementation by 2015*” document, for the construction of a GEOSS Roadmap.
- The CB Roadmap attempts to provide guidance and define the necessary steps in order to meet GEO’s capacity building goals and targets by 2015.



CB Roadmap Quantifies outcomes:

Networking activities that specifically build individual, institutional and infrastructure capacity are carried out

- Geographic expansion of capacity building networks
 - Qualitative – extension of global coverage
 - Quantitative- 1-2 new linkages
 - Time – completed by 2011
- (e.g. new SERVIR contact points in Africa and Asia)
- Thematic expansion of capacity building networks
 - Qualitative – extension of thematic coverage
 - Quantitative- 1-2 new themes covered
 - Time – completed by 2011
- (e.g. Biodiversity, Water in Africa)
- Joint training activities (e.g., workshops, seminars, courses, etc.) carried out by at least two thematic (societal benefit) areas.
 - Qualitative – joint capacity building measures
 - Quantitative – by at least 2 thematic areas
 - Time – at least 3 per year, increasing by 2015



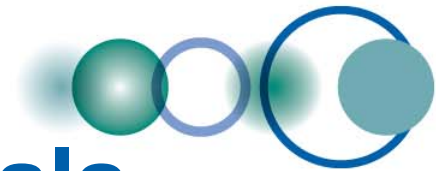
CB Tasks OAT Coordination

Overarching Tasks

- CB-09-01: Resource (or Seville Roadmap) Mobilization
- CB-09-02: Building Individual Capacity in Earth Observation
- CB-09-03: Building Institutional Capacity to Use Earth Observation
- CB-09-04: Capacity Building Needs and Gap Assessment
- CB-09-05: Infrastructure Development and Technology Transfer for Information Access

NEW – resulting from Roadmap

CB-10-01: Building Capacity through Outreach and Awareness Raising



UIC/CBC Call for Proposals

Overview

CFP seeks proposals for projects to apply Earth observations to improve policy decisions and management decisions.

CFP seeks to identify and enable practical applications of Earth obs.

Strong focus on Developing Countries and supporting end-users

Showcase the value and benefits of Earth obs. and GEOSS through successful applications examples.

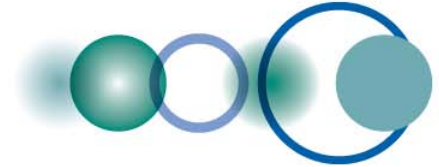
Topics & GEO Tasks

Focus on 4 SBAs:

- Agriculture (*including Forests*)
- Energy
- Health (*including Air Quality*)
- Water

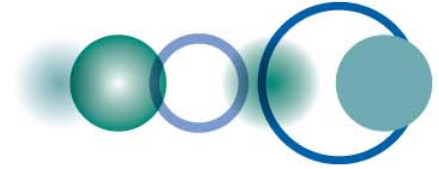
CFP supports GEO Tasks:

- CB-09-01 (Mobilising Resources)
- US-09-01b (Communities of Practice)



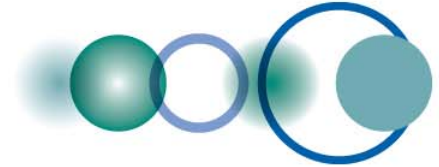
UIC/CBC Call for Proposals

- GEO received 136 submissions in June 2009
- 44 countries submitted – 77% from Developing countries
- Project targets: 58% Dev Countries, 18% Regional, 24% Global
- First stage proposal review completed
- Final proposals due in February



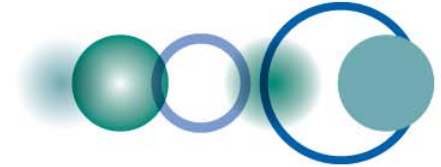
UIC/CBC Call for Proposals

- CBC members part of UIC/CBC-CFP Management Team.
- All committees volunteered to be reviewers of concept proposals
- Need volunteers for Full Proposals
- Need volunteers as Advisors



FP7 Projects supporting GEO Capacity Building

- Create conditions for improvement and increase of GEO capacity building
- “It should also improve the integration of the GEOSS into regional and national planning processes for sustainable development
- **Should make a major contribution to the implementation of the Group on Earth Observation (GEO) Seville roadmap to mobilise capacity building resources for realising the GEOSS”**
- “This support action should strengthen the capability of all countries, and in particular developing countries, to play an effective role in the capacity building activities of the GEO”

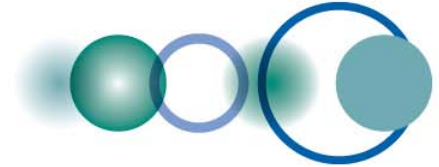


FP7 Projects supporting GEO Capacity Building

Two Funded Projects

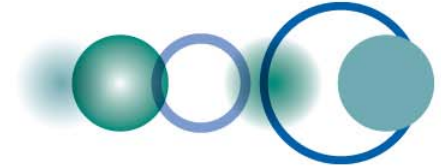
- GEONETCab (GEO Network for Capacity Building)
- GEO Capacity Building Initiative in Central Asia (SEOCA)

**Support Seville Roadmap implementation
and hence UIC/CBC CFP**



Value Add through the CBC

- **The CBC provides a “dating service”– matching needs with potential resources.**
 - **At Athens CBC meeting ICIMOD presented on their activities and needs. Discussion with USAID initiated.**
 - **NASA and USAID visit ICIMOD to conduct a needs assessment.**
 - **Discussions advanced for a new SERVIR node in 2010, to be called "SERVIR-Himalaya."**
 - **It will serve the countries that ICIMOD serves - Afghanistan, Bangladesh, Bhutan, China, India, Nepal, Pakistan**



Thank You

In particular to Imraan Saloojee