Sub-task Number: CB-09-03a
Sub-task Title: Building National and Regional Capacity

Overarching Task*:* Building Institutional Capacity to Use Earth Observations
Area: CAPACITY BUILDING
Relevant Committee*: CBC*
Related Targets: *(to be included in 2009)*

Sub-task Definition *(as given in the 2009-2011 Work Plan):*

Build national capacity in developing countries by enabling human, technical and institutional capacity for coordinating, accessing, using and sharing environmental data, information and services. Develop and implement a participatory model for environmental networking, observing/monitoring, and data/information sharing at the national level. The model will be based on existing national mechanisms. It will include key institutions (data providers and information disseminators), integrating regional and global tools and mechanisms for environmental data and observing systems. In addition, improve in-country coordination among national statistical organisations, remote sensing agencies, environment, forests, wildlife and water related ministries for providing improved access to national environmental data.

Leads *(GEO Member or PO, Entity carrying out the work, Contact: e-mail)*:

UNEP, *Point of Contact*, Norberto Fernandez, norberto.fernandez@unep.org.

Motivation/Background *(Why should this Task or sub-task be implemented? What relevance to society? What is the state of the art? 3-5 lines)*

Outputs *(e.g. products and services which result from the activities of the Task/sub-task; outlined in the form of deliverables with timelines)*

Planned:

Produced (current status):

Activities *(operations or work processes through which resources are mobilized to produce specific outputs; outlined in the form of milestones including timelines)*

Planned:

Progress (current status):

[Note: Updates on outputs and activities will be formally provided twice a year, according to the GEO schedule for 2009]

Resources *(indication of resources – e.g. financial, human – contributed by GEO Members or Participating Organizations to produce outputs)*

Architecture and Data Component

1) Please briefly describe any task-related Earth observation resources (data set, system, website/portal) and any related Web Service interfaces that are contributed to GEOSS. State whether these items are or will be registered with the GEOSS Component and Service Registry for access via the GEO Web Portals, and whether any associated standards or other interoperability arrangements will be registered in the Standards and Interoperability Registry.

2) Please also describe what data and information your activity/system needs that you would request to be accessible through the GEOSS Common Infrastructure.

Capacity Building Component
(capacity building is defined to include the development of capacity related to: (i) Infrastructure and technology transfer (Hardware, Software and other technology required to develop, access and use EO); (ii) Individuals (education and training of individuals to be aware of, access, use and develop EO) and (iii) Institutions – building policies, programs & organizational structures to enhance the value of EO data and products).

1) In accordance with the above definition does this Task have a capacity-building component? If so, please provide a short description of this component including a description of end users.

2) Have any additional CB needs for this Task been identified? Please provide a short description.

User Engagement Component
(please briefly describe to what extent end users are engaged in this Task and influence the nature of the outputs produced)

Science and Technology (S&T) Component
1) Please briefly describe the elements of scientific research or technological development contained in this Task.

2) In relation to the S&T component(s) of this task, please describe gaps, priorities, continuity needs, barriers, scientific expertise and additional resource needs (this information will be used for developing a gaps and needs assessment in Task ST-09-01)

Members and POs' Contributions to Outputs and Activities above:
(Input is optional. This section gives the chance to Members and POs to provide more details (3-5 lines) on their individual activities, making a clear connection with the Outputs and Activities outlined above).

Germany
DLR DFD-US: Applied CB and CD concepts and methods.

Italy
ISPRA: Networking for data and knowledge transfer.

Norway
Institute of Marine Research: Centre for Development Cooperation in Fisheries.

ICIMOD
ICIMOD accords high priority to capacity building of national institutions of its Regional Member Countries. Over a decade long capacity building initiatives, ICIMOD has developed and conducted various training courses on GIS/RS for mountain specific applications and helped evolve regional network. Given that EO accords high priority in bridging the data and information gap in the Himalayan region, ICIMOD wants to collaborate with regional and international agencies to build capacity of national partners and strengthen regional networking. To this effect, ICIMOD would like propose two main activities under GEOSS capacity building framework. 1. Regional symposium on Benefitting EO to Mountain Societies - raising awareness, sharing and learning experiences; and 2. Implementation of SERVIR Himalaya for spatial visualization and decision support in key aspects of Himalayan environment. ICIMOD has developed concept note on above two activities and shared with GEOSS.

ISPRS
ISPRS WG VI-1 and -2: Contribution to workshops and other activities to complete task.

Participation *(Table to be filled in 2009):*

Type	Member or PO	Representing	Contact Name	EmailAddress
Lead(PoC)	UNEP		**Norberto Fernandez**	**norberto.fernandez@unep.org**
Lead				
Contributor	Germany	DLR DFD-US	Jan-Peter Mund	jan-peter.mund@dlr.de
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Contributor	ISPRS	ISPRS WG VI-1 and -2	Henny Mills	henny.mills@ncl.ac.uk
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