Sub-task Number: CB-09-02c
Sub-task Title: UN-SPIDER/GEO Summer Schools on Space-based Solutions for Disaster Management and Emergency Response

Overarching Task*:* Building Individual Capacity in 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 upon the outcome of GEO 2007-2009 Task CB-07-02 (Knowledge Sharing for Improved Disaster Management and Emergency Response) to establish and support regional training and capacity building programmes related to disaster management and emergency response.

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

UNOOSA, Juan Carlos Villagran, *Point of Contact*, juan-carlos.villagran@unoosa.org; Georg Magerl, UN-SPIDER Programme, georg.magerl@unoosa.org

Brazil, Tania Sausen, INPE – CRECTEALC, tania@ltid.inpe.br

Motivation/Background

Increased access and use of space-based information for disaster management will allow countries and relevant organisations to be better prepared. Understanding existing and upcoming initiatives in the area as well as state-of-the art space technology applications is necessary to make maximum use of space-based solutions. By focusing on different types of disasters, the Summer Schools deliver in-depth capacity building to disaster managers, thereby enabling them to take necessary institutional and technical measures with regard to the entire disaster management cycle.

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

<u>*Planned*</u>: One Summer/Spring School per year organised by the Regional Centre for Space Science and Technology Education for Latin America and the Caribbean (CRECTEALC) - Campus Brazil together with other partners as needed.

<u>*Produced*</u> *(current status):* One Spring School was held in Brazil in 2008. The next Spring School will be held in the second half of 2009, probably ion Argentina with the Argentinean Space Agency (CONAE) as co-organiser.

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

<u>*Planned*</u>: 2009 Spring School:

Initial consultations with involved organisations to fix date and topic: January-February 2009

Start of the planning process: 4 months before the event

1st announcement and transfer of funds to CRECTEALC: 3 months before the event

<u>*Progress*</u> *(current status):*

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

Resources for the Summer Schools will be made available by the UN-SPIDER Programme, and if possible by any of the potential co-organisers and/or by private sponsors. The funding issue for the 2009 Spring School will be dealt with in the first half of 2009.

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: Contribution to Workshops and Summerschools .

ISPRS
ISPRS WG VI-5 and -6: Contribution to workshops and other activities to complete task.

UN-SPIDER

Mission Statement "Ensure that all countries and international and regional organisations have access to and develop the capacity to use all types of space-based Information to support the full disaster management cycle".

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

Type	Member or PO	Representing	Contact Name	EmailAddress
Lead(PoC)	UNOOSA		Juan Carlos Villagran	juan-carlos.villagran@unoosa.org
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