

Sub-task Number: AR-09-01c

Sub-task Title: GEOSS Best Practices Registry

Overarching Task: GEOSS Common Infrastructure

Area: ARCHITECTURE

Relevant Committee: ADC

Related Targets: (to be included in 2009)

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

Support the operation and upgrade of the GEOSS Best Practices Registry. The registry should be capable of including best practices in observation, modelling and analyses, ontologies, capacity building, cost-benefit sharing mechanisms, and other relevant GEO best practices (e.g. data sharing, cooperative data acquisition, joint development, joint flight, collaborative sciences) and other relevant GEO best practices. This sub-task will work in coordination with the four GEO Committees and Members & Participating Organizations, who will provide the content for the registry.

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

IEEE, Point of Contact: Ruth Duerr, ruth.duerr@ieee.org

Japan (University of Tokyo), Masahiko Nagai, nagaim@iis.u-tokyo.ac.jp

Motivation/Background

Interoperability of observation and information system contributions to GEO is a key element of GEOSS effectiveness. Common practices in these systems will increase interoperability. Best practices should be exposed to users and offered in an environment that allows commentary and peer review. Development of a web-based wiki environment has been selected as the medium for this. The wiki became operational, in an initial evaluation phase, in June 2008. Editors from many nations are participating on the editorial team. Refinement of the wiki continues in 2009 and emphasis will be placed on further building content through contributions of GEO members and participating organizations.

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:

Maintain and operate the Best Practices Wiki as a means of exposing best practices relevant to GEOSS.

Provide reports to GEO committees on status and plans

Expand editorial team as necessary to maintain the quality of the Best Practices Wiki.

Produced (current status):

Best Practices Wiki remains operational. The editorial team has nearly completed an initial review of all entries to date.

Briefing given by Jay Pearlman during Feb. meeting in Tokyo

Paolo Gamba has resigned from the wiki editorial team. He will not be replaced until additional entries warrant additional editors.

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

Planned:

Develop an on-line video tutorial(s) to walk people through the process of submitting practices

Develop a user survey (what changes does the community need?)

Wiki fixes – cross-link wiki entries to registry

Measuring progress – wiki site usage metrics

Progress (current status): ...

While preliminary discussion of how to advertise such a tutorial have been held, the editorial team agreed that this task should be held until all the editors have had a chance to test entry of practices and any accumulated suggestions implemented.

The editorial team thinks that until the user base grows substantially a user survey will not be useful.

Initial discussions with Steve Browdy have been held – however a path forward on this task has not yet been defined.

The wiki was recently set up with Google Analytics; but it will take some time to accumulate meaningful statistics.

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

IEEE will provide resources for maintaining the wiki. Ruth Duerr of IEEE is editor-in-chief of the Wiki team, which includes editors from GEO members and participating organizations.

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.

Best practices will enhance the interoperability of GEOSS. Support is provided by the editorial team to organizations wishing to contribute or use best practices. Descriptive material is also being provided to help users. This effort is coordinated with the Capacity Building Committee as well as other GEO Committees. It is carried out under the Architecture and Data Committee.

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

No

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).

Japan

Tokyo University: Outreach and popularizaion of Best Practice Wiki especially focusing on interoperability arrangements.

EEA

Record EEA services and links in GEOSS registry.

UNOOSA

Analysis of potential UNOOSA inputs to the registry.

Participation (Table to be filled in 2009):

Type	Member or PO	Representing	Contact Name	EmailAddress
Lead(PoC)	IEEE	IEEE	Ruth Duerr	ruth.duerr@ieee.org
Lead	Japan	University of Tokyo	Masahiko Nagai	nagaim@iis.u-tokyo.ac.jp
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