

# User Oriented Workshops for GEOSS Outreach and Feedback

1<sup>st</sup> EGIDA Stakeholder Network Workshop  
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IOC



Over to 40 workshops conducted since 2005



★ 2005/  
6
 ★ 2007
 ★ 2008
 ★ 2009
 ★ 2010
 ★ 2011  
proposed

## GEOSS Workshop Topics (1 of 2)

| Year/<br>Topic         | 2005/06 | 2007       | 2008       | 2009 | 2010 |
|------------------------|---------|------------|------------|------|------|
| Cross-cutting<br>Areas |         | ADC<br>S&T | ADC<br>S&T |      | ADC  |
| Agriculture            | X       | X          |            | X    | X    |
| Biodiversity           |         | X          |            |      | X    |
| Climate                | X       | X          |            |      | X    |
| Disasters              | X       | X          | X          | X    |      |

## GEOSS Workshop Topics (2 of 2)

| Year/<br>Topic | 2005/06 | 2007 | 2008 | 2009 | 2010 |
|----------------|---------|------|------|------|------|
| Ecosystems     |         |      | X    | X    |      |
| Energy         | X       |      |      |      | X    |
| Health         | X       | X    | X    | X    |      |
| Water          | X       |      | X    | X    | X    |
| Weather        | X       |      |      |      | X    |

# Workshop Objectives

- Familiarize audience with GEO
  - GEOSS Infrastructure
  - Interoperability concepts
  - Use of Earth Observation
  - Data sharing, data quality
- Provide forum for discussions between SBA specialists
  - Communities of Practice
  - GEO tasks

## General Workshop Characteristics

- Generally co-located with major conference
- 30 to 60 participants
- One to 2 days of presentations by international experts in topic area
- Half day break-out session allows for informal discussions of key elements in small groups
- Proceedings include recommendations to GEO from Break-out sessions



# **GEOSS Workshop for Water Security and Governance in Africa**

**October, 2008  
Accra, Ghana**



**CERSGIS**  
Univ. of Ghana, Accra



**IEEE**

**OGCii**  
OGC Incorporated, Toronto, ON





# Recommendations from workshops – Common Themes

- Interoperability
  - Need for standardization of data products
  - Need for data sharing at minimum cost
  - Need for easy plug-in tools and “cook books” for interoperability
  - Do not forget Human interoperability
- Give scientists credit for observations (count digital object identifier (DOI) downloads)
- Transition developmental systems to operations
- Consider leveraging win-win linkages to industry

## Recommendation from 2010 workshops – Data Quality Example (Honolulu Workshop)

- ***Select two user areas as pilots to hold workshops specifically focused on addressing users' data quality needs. (UIC)***
- ***Organize joint mission science team meetings with end users and policy makers to ensure the development of data quality processes early within the sensor mission lifetime (UIC, STC)***
- ***Provide a forum for the User team to interface with data providers on a regular basis to provide feedback on the data quality issues (UIC).***

## Recommendations from 2010 Workshops – Data Quality example (Continued)

- ***The QA4EO team should provide specific examples on how to use the guidelines and assign “quality indicators” (UIC).***
- ***The QA4EO team should draft a high-level implementation plan that indicates how to enlarge the scope for QA4EO to address the data quality needs of GEO Societal Benefit Area (SBAs).***



## Recommendations from 2009/2010 workshops – Ocean examples (BREMEN AND SEATTLE)

- How can GEO/GEOSS help in achieving the needs of the oceanographic community?
  - Help with the formulation of an ocean community of practice
  - Support intergovernmental formalization of interoperability and coordination of an operational mission for ocean observations. This could include coordinated funding
  - GEO support is requested for Identification and coordination of societal benefits from ocean data.



## RECOMMENDATIONS FROM 2009/2010 WORKSHOPS – OCEAN EXAMPLE CONTINUED

- Ocean Information systems
  - Focus complex sensor development; develop compatibility criteria for different sensors that possibly interfere
  - Since arctic change represents a key societal issue, identify what to measure and means of immediate measurements
- Community of Practice (CP)
  - Layered approach focusing on strategic level CP
  - High level strategic issues: 1) global coordination of ocean observatories and 2) articulation of the societal value and need for global ocean observations.
  - Task groups to address specific scientific or technical issues.

# A Glance at GEOSS 2011 Workshops

| <b>Workshop No/<br/>Theme</b>                                                   | <b>Associated Conference</b>                                            | <b>Proposed Date</b>  |
|---------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------|
| XL-Managing<br>Drought through<br>Earth Observation                             | ISRSE 34, Sidney,<br>Australia                                          | April 10<br>Conducted |
| XLI-Global<br>Hydrology<br>Interoperability &<br>field applications<br>for Asia | IGARSS 2011, moved<br>from Sendai, Japan to<br>Vancouver, BC,<br>Canada | July 24               |

## A Glance at GEOSS 2011 Workshops Continued

| <b>Workshop Theme</b>                           | <b>Associated Conference</b>   | <b>Proposed Date</b> |
|-------------------------------------------------|--------------------------------|----------------------|
| XLII-Oceans                                     | Oceans 2011, Kona, Hi, USA     | September 18         |
| XLIII-Climate                                   | FOSS4G & OGC TC, Colorado, USA | September 18         |
| XLIV-Sensor Web and Rural mobile communications | GlobeCOM, Houston, USA         | December 4           |
| XLV- EuroGEOSS                                  | TBD                            | Early 2012           |



See You in Sidney!



## **GEOSS Workshop XL**

Managing Drought through Earth Observation  
Sidney Convention and Exhibition Center,  
Sidney, Australia

Sunday, April 10<sup>th</sup>, 2011



**Thank you**

