

Science and Technology Roadmap

- current progress

1st GEO/EGIDA Workshop
Bonn, Germany,
May 09th - 11th, 2011



Discussion questions

Which roadmap activities should be implemented with priority

➤ by EGIDA?

➤ by GEO?

How can progress towards these priorities be supported?



Engaging S&T participants in GEOSS

- **Revolving scientific review of each Work Plan**, starting with the current work plan for 2009-2011 on grounds of scientific and technological soundness and completeness against the outstanding questions and challenges in each of the SBAs
- **Implement review indicators in the GEO Work Plan reporting** to ensure that activities in individual GEO Tasks and Sub-Tasks meet the applicable scientific and technological standards
- **Assess the requirement for continuity and long-term monitoring** by Earth observation systems of essential data from GEOSS components
- **Ensuring state-of-the-art technology in the GEOSS Common Infrastructure (GCI) and Observation Infrastructures.**
- **Responding to S&T needs and priorities** in Earth observation for GEOSS.



Engaging S&T participants in GEOSS – 1a

Revolving scientific review of each Work Plan, starting with the current work plan for 2009-2011 on grounds of scientific and technological soundness and completeness against the outstanding questions and challenges in each of the SBAs



GEO and Science Report accepted by STC



Process for Work Plan 2012-15?



Engaging S&T participants in GEOSS – 1b

Implement review indicators in the GEO Work Plan reporting to ensure that activities in individual GEO Tasks and Sub-Tasks meet the applicable scientific and technological standards



Engaging S&T participants in GEOSS – 1c

Assess the requirement for continuity and long-term monitoring by Earth observation systems of essential data from GEOSS components

? Potential priority.



Engaging S&T participants in GEOSS – 1d

Ensuring state-of-the-art technology in the GEOSS Common Infrastructure (GCI) and Observation Infrastructures.



GCI Task Force recommendations



Usability Testing by UIC



Technical review



Engaging S&T participants in GEOSS – 1e

Responding to S&T needs and priorities in Earth observation for GEOSS.



GEO Strategic Gap analysis kicked-off



Potential priority.



Incentives and Promotion

- **Getting GEO/GEOSS better acknowledged** in the scientific community.
- **Establishing a “GEO label”** to recognise the scientific relevance, quality, acceptance and societal needs for activities in support of GEOSS.
- **Building awareness of GEO and GEOSS** in the different S&T communities, within the scope of the GEOSS development.
- **Showing GEOSS at work** with a set of compelling examples showing how GEOSS serves the S&T communities in their work.
- **Enhancing registration of scientific data sets** as an important indicator for potential contributors from the science communities in assessing the relevance of GEOSS for their work.
- **Identify key commercial partners**, which could contribute to GEOSS and also benefit from improved observational means, products and services and might therefore support certain S&T development.
- **Catalyze research and developing funding** to help engaging the S&T communities in the implementation of the GEOSS.



Incentives and promotion – 2a

Getting GEO/GEOSS better acknowledged in the scientific community.



Draft Citation Standard discussed at STC-16 (April 2010)



Incentives and promotion – 2b

Establishing a “GEO label” to recognise the scientific relevance, quality, acceptance and societal needs for activities in support of GEOSS.



Incentives and promotion – 2c

Building awareness of GEO and GEOSS in the different S&T communities, within the scope of the GEOSS development.



Several sessions at scientific conferences



How to reach further?



Incentives and promotion – 2d

Showing GEOSS at work with a set of compelling examples showing how GEOSS serves the S&T communities in their work.



Compilation of showcases http://www.geotasks.org/geoss_portfolio/



Incentives and promotion – 2e

Enhancing registration of scientific data sets as an important indicator for potential contributors from the science communities in assessing the relevance of GEOSS for their work.



GEO Core



Data Sharing Task Force activities



Architecture Implementation Pilot (AIP) – 4



Incentives and promotion – 2f

Identify key commercial partners, which could contribute to GEOSS and also benefit from improved observational means, products and services and might therefore support certain S&T development.



Incentives and promotion – 2g

Catalyze research and developing funding to help engaging the S&T communities in the implementation of the GEOSS.

? Potential priority



Discussion questions



Which roadmap activities should be implemented with priority

➤ **by EGIDA?**

➤ **by GEO?**

➤ ...



How can progress towards these priorities be supported?

