



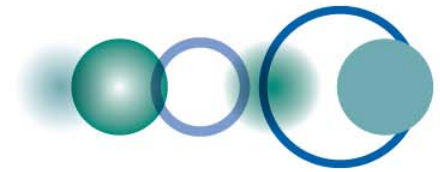
# **Task DA-09-01b**

## **Data, Metadata and Products Harmonisation**

**GEO Work Plan Symposium**  
**Pretoria, South Africa**  
**13-15 May 2010**

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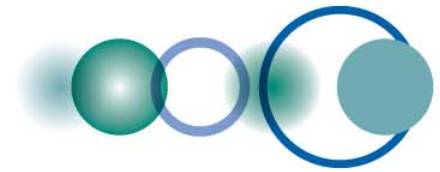
# Task Objectives and Deliverables

- **Task Description**

- Facilitate the development, availability and harmonisation of data, metadata, and products commonly required across diverse societal benefit areas...
- Remove/reduce technical barriers to the discovery, access and use of Earth observation data and information

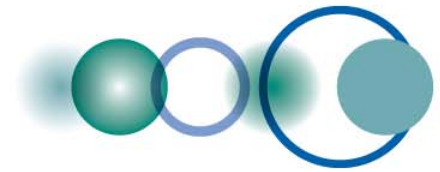
- **Original Approach**

- Assess current capabilities
  - Review and characterize contents of GEO registries
  - Generate initial report
- Analyze results
  - Look at level of community adoption of various approaches
  - Identify barriers to integration/interoperability/interuse
- Develop set of GEO recommendations
  - Goal is convergence to harmonised set of standards
  - Based on best practices and community directions



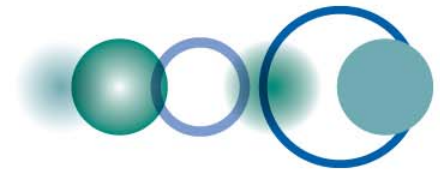
# Task Objectives and Deliverables

- **Evolving Approach**
  - Assess current capabilities
    - Review and characterize contents of GEO registries
    - Generate initial report
  - Analyze results
    - Look at level of community adoption of various approaches
    - Identify barriers to integration/interoperability/interuse
  - **Do further analysis of community “harmonisation” efforts**
    - **Task members represent a number of these initiatives**
    - **Includes heritage efforts and those inspired by GEO task**
  - **Communicate progress and issues among GEO community**
  - Develop set of GEO recommendations
    - Goal is convergence to harmonised set of standards
    - Based on best practices and community directions



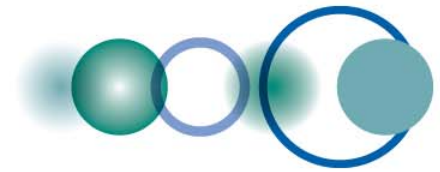
## Task Team Activities

- Task members continually share reports on their individual efforts on harmonisation and interoperability.
  - EuroGEOSS, INSPIRE, WMO/WIS, CEOS/WGISS, CEOS/WGCV, Australia GeoSciences, SIF, AIP-3
- Joint GEO Task Workshop was held with Data Integration and Analysis System Task DA-09-02a
  - Included presentations on Data Sharing Principles, SIF and Data Strategy Report
  - Outcome included possible areas of collaboration
- CEOS/WGISS initiated project to develop a community catalog of satellite data products.
  - Using GEOSS conceptual architecture and interface standards
  - Leveraging efforts and experience of GCI developers (AR-09-01a)
  - Satellite data ‘Information model’ will be compared/contrasted with other harmonisation efforts
  - Effort could provide model for distributed search capability



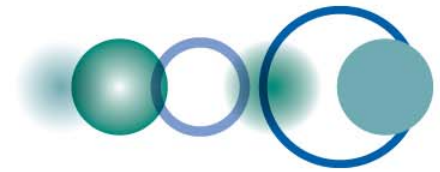
## Task Progress and Next Steps

- GCI review and team discussions have identified several issues and gaps
  - Lack of a set of guidelines for data and service providers
  - Lack of a thorough assessment of current community efforts and practices on which to base a set of guidelines
- Also identified opportunities to provide content to GEOSS
  - CEOS community catalog effort will develop a solution for satellite data collections
  - Other communities are doing likewise
- Harmonisation task will continue to analyze and advance these solutions
- This analysis can provide basis of a GEOSS Guidelines Document



## Task Progress and Next Steps (cont.)

- Activities have highlighted importance of inter-task communication
  - Joint Harmonization/Alliance Workshop is one model for these interactions
  - Also could consider a “Data Management Task” Workshop
  - Broader interactions with full range of GEO tasks is desirable
- Work Plan Symposium is great opportunity for this
  - Difficult to allow time for in-depth discussion
  - Virtual (WebX) Mini-Symposia might be an option
  - Other ideas and opportunities should be explored



## Example: Harmonisation through communication

- Dialog at a recent telecon
  - AIP-3 and SIF representative are discussing metadata standards activities
  - CEOS/WGCV member states that their QA4EO project has identified requirements for standard data quality and use metadata
  - ISO TC-211 representative reminds group of upcoming meeting that will include review of metadata content model – agrees to pass any information to that forum
  - CEOS/WGCV member will provide description of their requirements
- Formal requirements processes are essential but they can build upon these kinds of interactions