



Task DA-09-01b

Data, Metadata and Products Harmonization

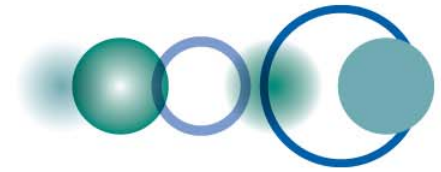
GEO ADC Meeting
Sept. 15-16, 2009

Melbourne, Australia

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Task Overview

- **Task Description**

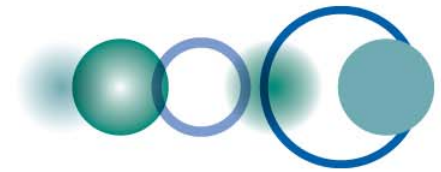
- Facilitate the development, availability and harmonization of data, metadata, and products commonly required across diverse societal benefit areas...

- **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

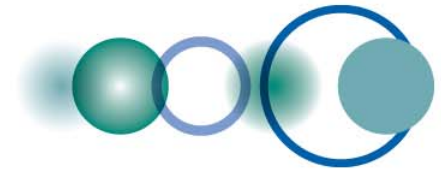
- **Deliverable**

- Develop set of GEO recommendations
 - Goal is convergence to harmonized set of standards
 - Based on best practices and community directions



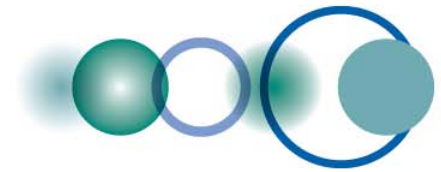
Task Team Formation

- GEO Call for Participation to GEO 2009-11 Work Plan
 - Eight responses received
 - Monthly telecons held since May
 - Participation off to slow start but improving
- CEOS team formed to coordinate space agency contributions to GEO task
 - Volunteers from Working Group on Information Systems and Services (WGISS) and Working Group on Calibration/Validation (WGCV)
 - Task kicked off at WGISS meeting in May
 - Effort broadened to include contributions to other GEO DA and AR tasks
 - Progress through regular telecons and email exchanges



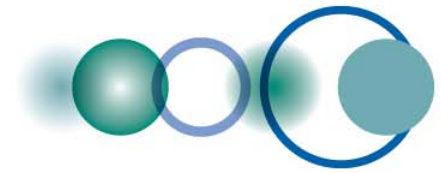
Current GEO Task Participants

- Co-Leaders
 - CEOS/WGISS/NOAA - Ken McDonald (POC)
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 - USA/FGDC/GSDI Secretariat - Doug Nebert ddnebert@usgs.gov
- Contributors
 - Australia/Geosciences Australia - Chris Body Chris.body@ga.gov.au
 - CEOS/CNES/INRA - Frédéric Baret baret@avignon.inra.fr
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 - Japan/GSI - Toru Nagayama nagayama@gsi.go.jp
 - WMO/OBS/WIS-DM - Omar Baddour OBaddour@wmo.int
- Additional participation from CEOS/NASA, CEOS/WGCV/USGS and OGC



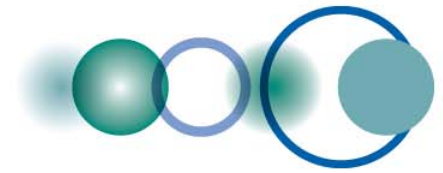
Current Status

- Initial assessment of current GCI registries completed
 - Supported by Doug Nebert's work with the GMU CSR team
 - Reviewed and discussed by both GEO and WGISS teams
 - GCI architecture is good but issues with contents
 - Consistent and coherent discovery, search and access results
 - Challenges of aggregation within components
- WGISS undertaking additional steps
 - Development of a domain model consistent with GCI ConOps
 - Relevant standards/guidelines and metadata requirements for discovery, search and access
 - Exploring idea for a clearinghouse of remote sensing data products with distributed search capabilities



Next Steps

- Dedicated session at WGISS meeting in two weeks
 - Discussion of findings and future plans
 - Develop recommendations for GEO task(s)
- WGISS results/plans will be discussed at next GEO task telecon
 - Goal is to broaden recommendations and plans to address needs of non-satellite data and service providers
- Joint workshop being planned with GEO Task on Data Integration and Analysis Systems (DA-09-02a) in Washington on Nov. 11-12



Considerations

- Resources
 - Task activities will require a substantial effort from its contributors
- Team Balance
 - Assessments and recommendations have large potential impact
 - Team must have strong representation from all sectors of GEO community
- Relationship to Other GEO Activities
 - This task should complement and not compete with other tasks
 - It should leverage experience and results of the GCI Task Force and the SIF