Task DA-09-01b
Data, Metadata and Products Harmonization

GEO ADC Meeting
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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
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  - 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