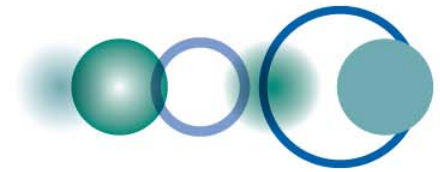


# Task DA-09-01b - Overview Data, Metadata and Products Harmonization

Joint GEO Task Workshop  
November 11-12, 2009  
Washington, DC

Ken McDonald  
NOAA/NESDIS  
[kenneth.mcdonald@noaa.gov](mailto:kenneth.mcdonald@noaa.gov)





# Task Overview

- **Task Description**

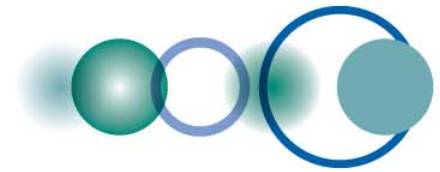
- Facilitate the development, availability and harmonization of data, metadata, and products commonly required across diverse societal benefit areas...

- **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

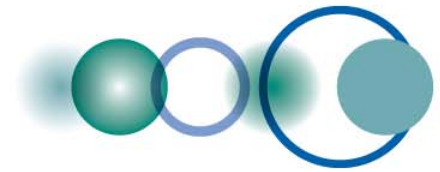
- **Deliverable**

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



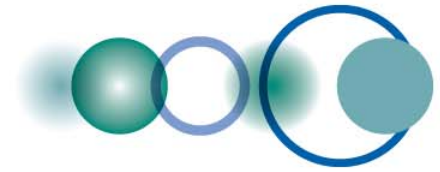
## Task Team Formation

- GEO Call for Participation to GEO 2009-11 Work Plan
  - Eight responses received
  - Monthly telecons held since May 2009
  - 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



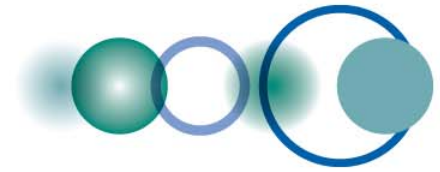
## Current GEO Task Participants

- Co-Leaders
  - CEOS/WGISS/NOAA - Ken McDonald (POC) [kenneth.mcdonald@noaa.gov](mailto:kenneth.mcdonald@noaa.gov)
  - USA/FGDC/GSDI Secretariat - Doug Nebert [ddnebert@usgs.gov](mailto:ddnebert@usgs.gov)
- Contributors
  - Australia/Geosciences Australia - Chris Body [Chris.body@ga.gov.au](mailto:Chris.body@ga.gov.au)
  - CEOS/CNES/INRA - Frédéric Baret [baret@avignon.inra.fr](mailto:baret@avignon.inra.fr)
  - EC/EU-project HYPOX - Michael Diepenbroek [mdiepenbroek@pangaea.de](mailto:mdiepenbroek@pangaea.de) \*
  - EC/EuroGEOSS - Massimo Craglia [massimo.craglia@jrc.it](mailto:massimo.craglia@jrc.it)
  - Germany/DLR DFD-IT - Eberhard Mikusch [eberhard.mikusch@dlr.de](mailto:eberhard.mikusch@dlr.de)
  - IEEE - Steven Browdy [steveb@omstech.com](mailto:steveb@omstech.com) \*
  - Japan/GSI - Toru Nagayama [nagayama@gsi.go.jp](mailto:nagayama@gsi.go.jp)
  - WMO/OBS/WIS-DM - Omar Baddour [OBaddour@wmo.int](mailto:OBaddour@wmo.int)
- Additional participation from CEOS/NASA, CEOS/WGCV/USGS and OGC



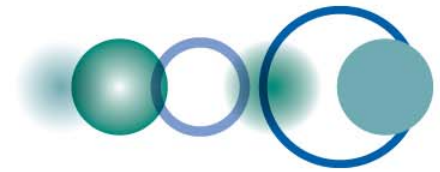
## Current Status

- 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 clearinghouse requirements for remote sensing data products with distributed search capabilities



## 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



## Plan for Harmonization Session

- Present ideas on potential contributions from task members
  - CEOS/WGISS – Satellite Data Access
  - EC/JRC – INSPIRE
  - Australian Geospatial Interoperability Initiatives
  - WMO Information System (WIS)
- Focus on harmonization but also GCI, SIF, AIP, Alliance...
- Develop refined plan for Task DA-09-01b
- Joint workshop being planned with GEO Task on Data Integration and Analysis Systems (DA-09-02a) in Washington on Nov. 11-12