

# **GEO Work Plan Symposium 2013**

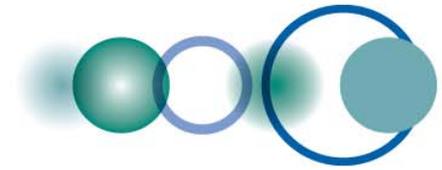
## **ID-01 Advancing the GEOSS Data Sharing Principles**

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**Steven F. Browdy**

**OMS Tech / IEEE**

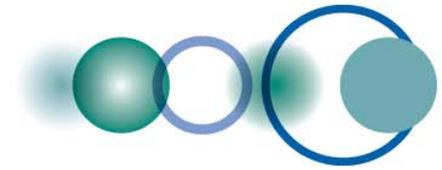
**Co-Chair GDC-GCI Subgroup of DSWG**



## ***Task ID-01***

### ***Background***

- Task led by the Data Sharing Working Group
  - Co-Chairs from EC, S. Africa, U.S., ICSU/CODATA, COSPAR
  - Members from about 16 Members and 16 POs
- Charge: Support GEO in its objective to put into practice the GEOSS Data Sharing Principles, the Implementation Guidelines, and the GEOSS Data Sharing Action Plan
- Follow up on the 2010 Ministerial Declaration commitments:
  - (i) Maximize the number of documented datasets made available on the basis of full and open access;
  - (ii) Create the GEOSS Data-CORE; and
  - (iii) Develop flexible national and international policy frameworks to ensure that a more open data environment is implemented.

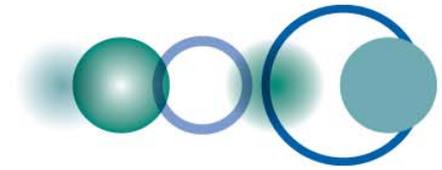


## ***Task ID-01***

# ***Recent Progress and Key Outputs for 2013 (1)***

- Four Active Subgroups
  - Data-CORE/GCI
    - Co-leads: J.-M. Rubio-Iglesias (EC)\*; S. Browdy (IEEE)
    - Objective: Address Data-CORE and other implementation issues
    - Outputs: Followed up on Data-CORE pledges; helped develop metadata tagging strategy in coordination with the GCI; provided guidelines and assistance to data providers
  - Legal Interoperability
    - Co-leads: P. Uhlir (ICSU/CODATA), C. Doldirina (JRC)
    - Objective: Address data licensing and interoperability issues
    - Outputs: Legal interoperability short white paper accepted; longer background paper and article under development

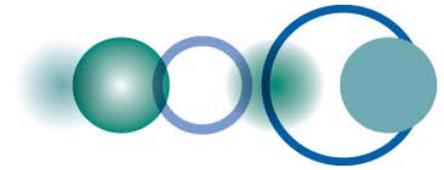
\* Replacing A. Edwards, who just retired!



## ***Task ID-01***

### ***Recent Progress and Key Outputs for 2013 (2)***

- Four Active Subgroups (continued)
  - Documentation and Data Quality
    - Leads: G. Withee (US), D. Halpern (COSPAR)
    - Objective: Develop data documentation and data quality guidelines
    - Outputs: Second draft of GEOSS data quality guidelines is currently being reviewed by the DSWG
  - Capacity Building
    - Leads: R. Chen (ICSU/CODATA), L. Senoko (RSA), P.P. Mathieu (ESA)
    - Objective: Encourage national coordinating mechanisms and flexible policy frameworks
    - Outputs: Subgroup has just been formed; will assess best practices and develop supporting materials

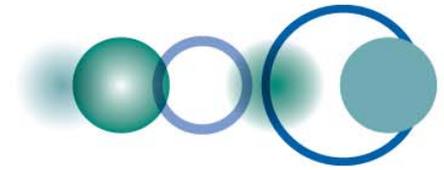


## ***Task ID-01***

### ***Recent Progress and Key Outputs for 2013 (2)***

- Organized successful side event in Brazil (more than 40 participants)
- Held DSWG working group meeting hosted by EC in Brussels in February 2013
- Preparing inputs on post-2015 strategy related to data sharing
- Planning inputs to 2013 Ministerial and 2014-15 activities

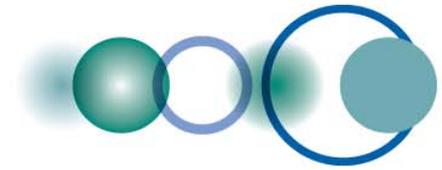




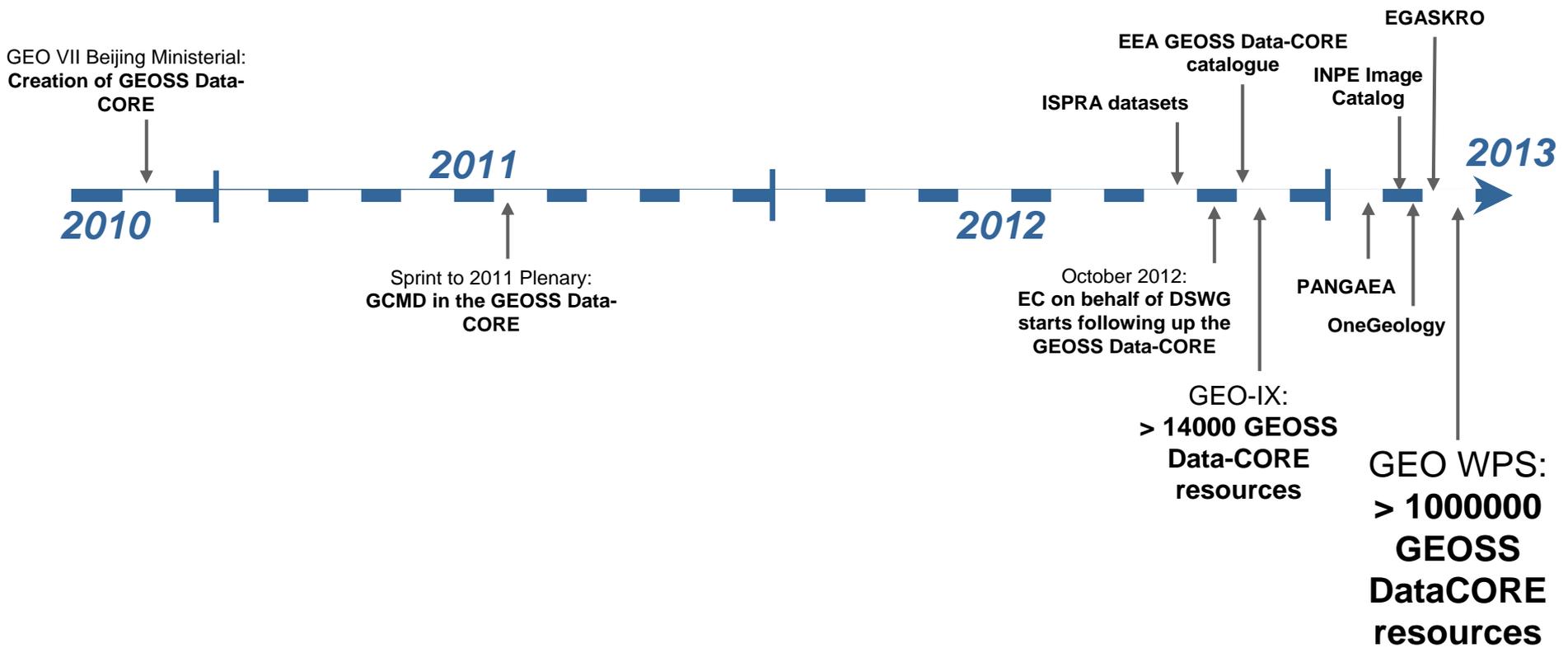
## ***Synergies with other Tasks***

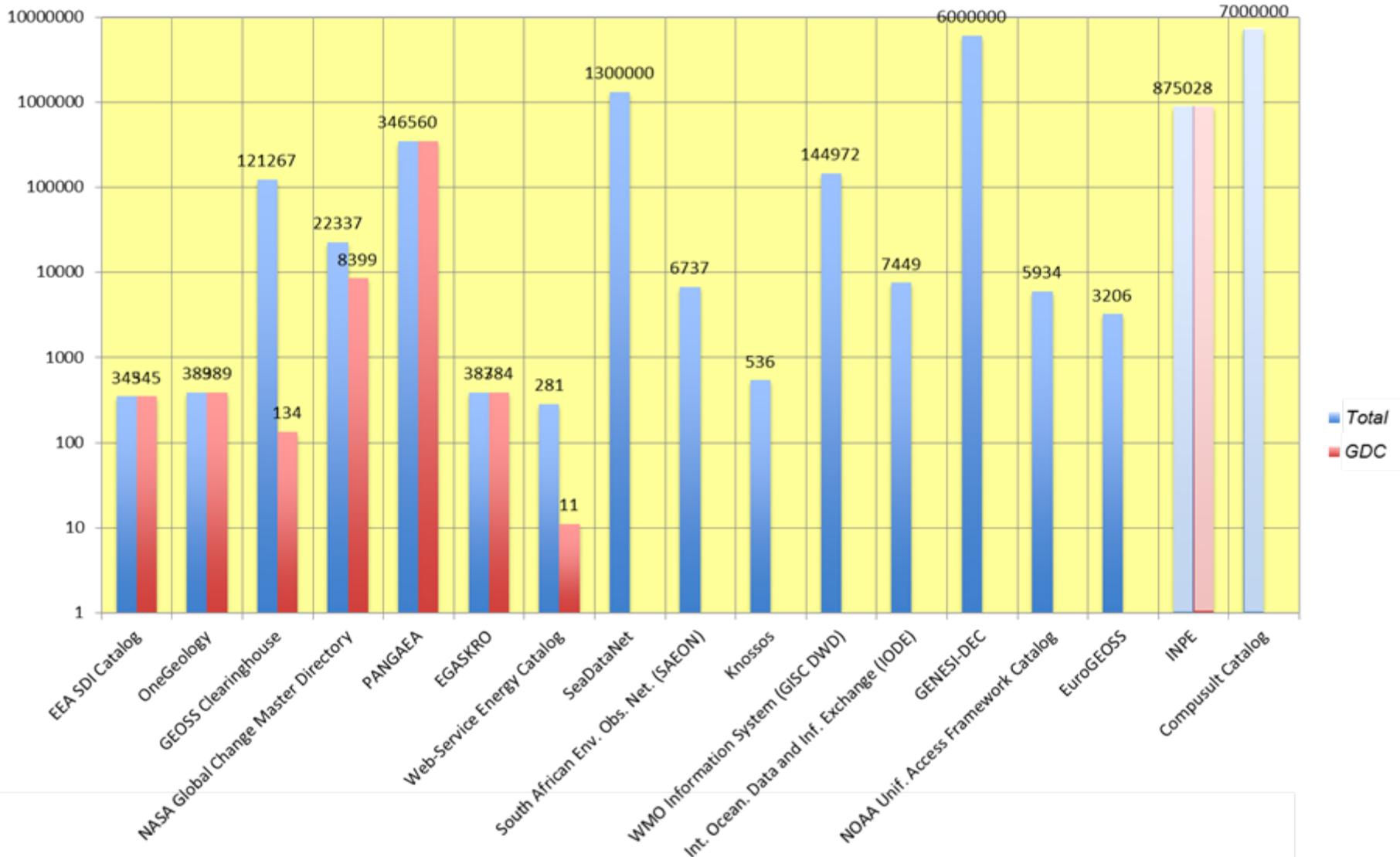
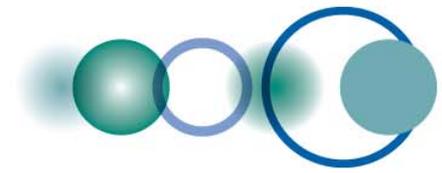
### ***Opportunities for collaboration (1)***

- Continued implementation of the GEOSS Data-CORE;  
ongoing coordination with AIP-6
  - latest figures put discoverable GEOSS Data-CORE resources at about 1.2 million
  - guidelines for metadata placement of GEOSS Data-CORE compatible licenses

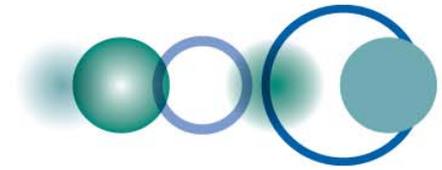


# GEOSS Data-CORE Timeline





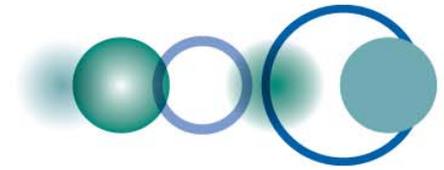
**Courtesy of CNR-IIA (Italy)**



## ***Synergies with other Tasks***

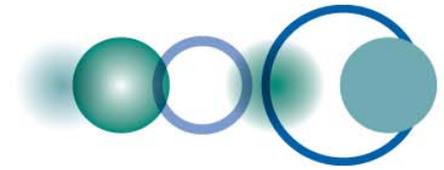
### ***Opportunities for collaboration (2)***

- Coordination on legal interoperability issues with GCI, IIB
  - e.g., ability to extract information on data conditions and restrictions from the Broker
- Collaboration on data quality with GeoViQua and IIB
- Important to identify successful data sharing approaches in SBAs and other communities, as well as ongoing barriers and challenges
- Coordination planned on Capacity Building
  - invitation letter by CB subgroup being developed
  - Links to CEOS CB and GEOSS in the Americas initiative under discussion



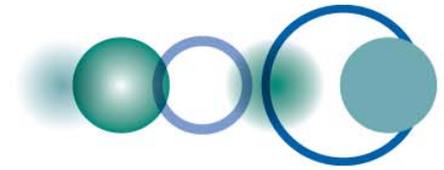
## ***Challenges and Issues (1)*** ***(evolution since 2012 Work Plan Symposium)***

- Continued efforts needed to encourage contributions to the GEOSS Data CORE, make contributions visible to users along with improved metadata, documentation, and quality information, and show the value of improved access
  - Should the GEO Secretariat be the main point of contact for this, and does it require dedicated staff with appropriate expertise?
- Still seems to be differences in use of terms “full”, “open”, etc. in different communities
  - Are efforts needed to better define these?
- Need to expand documentation of best practices in data sharing and assessments of benefits
  - Publish these best practices in the Best Practices Wiki



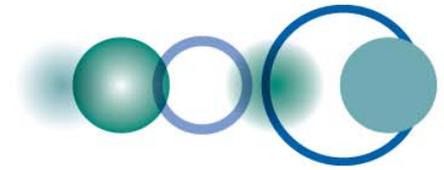
## ***Challenges and Issues (2)*** ***(evolution since 2012 Work Plan Symposium)***

- Do the Data Sharing Principles need to be strengthened in the post-2015 era?
  - Greater emphasis on full and open access?
  - Should GEOSS evolve from “system of systems” to a “community of communities”?
- DSWG would benefit from additional members and co-chairs from around the world, especially with regard to the capacity building elements of the Data Sharing Action Plan



## ***Showcase proposed for GEO Ministerial Summit***

- Data Sharing Side Event/Symposium planned



***Thank You***