

WGISS Activities

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WGISS ?

- WGISS = **W**orking **G**roup on **I**nformation **S**ystems and **S**ervices.
- WGISS promotes collaboration in the development of systems and services from participating organizations that manage and supply Earth Observation (EO) data to users worldwide.



WGISS Structure



WGISS

Satoko Miura, JAXA, Chair
Richard Moreno, CNES, Vice Chair

WGISS Executive Secretariat
Michelle Piepgrass, JAXA

Interest Groups (IG)

Technology Exploration
Data Stewardship
Intl. Directory Network (IDN)
Virtual Constellation

Andrew Mitchell, NASA
John Faundeen, USGS
Lola Olsen, NASA
John Faundeen, USGS

Projects (Prj.)

WGISS Infrastructure Services
CWIC

Martin Yapur, NOAA
Martin Yapur, NOAA,
Yonsook Enloe, NASA
Karen Moe, NASA,
Sergii Skakun, NSAU
Satoko Miura, JAXA

GA.4.Disasters

Water Portal

- **Technology Exploration IG** is to serve as a forum for exchange of technical information and lessons-learned experience about current and trending software technologies, services and other WWW / Internet related software technologies.
- **DSIG** is to provide WGISS EO data curation guidance to enable the sharing of agency investigations, developments, and lessons-learned relating to EO data management.

- **International Directory Network(IDN) IG** is responsible for coordinating activities among the participating agencies to maintain, improve, and expand the functions and use of the CEOS IDN, which is the largest scientific directory service in the world.
- **Virtual Constellation IG** is Point of Contact for queries from Virtual Constellations (VCs) regarding WGISS capabilities.

- **WGISS Infrastructure Services Prj.** Provides meeting support, including coordinating required technology (web conferencing, loading presentations, storing and distributing presentations), and supporting the WGISS website and mail distribution lists.
- **CEOS WGISS Integrated Catalog (CWIC) Prj.** is expected to facilitate discovery and access to the CEOS agency satellite data in GEO/GEOS.

- **The GA.4.Disasters Project** seeks to address the use of satellites, sensors, models, and associated data products to support disaster response and risk assessment.
- **The Water Portal Project** seeks to provide assistance to the water-relevant scientists and general users in the development of data services associated with data integration and distribution.

3-year outcomes



- **3-year outcomes defined in course of the CEOS Self Study**
 - a. Advancing CWIC.
 - b. IDN development
 - c. Support to development of CEOS Portals.
 - ✓ WGISS/CWIC is providing assistance to SST VC (GHRSSST) to become a CWIC data partner.
 - ✓ The LSI Portal can now access CWIC.

2012 progress, issues, obstacles



- GCI Integration
 - Both the IDN and CWIC integrated with GEO, and accessed by the GEO components (Geo Web Portal, DAB, GENESI).
 - IDN provides collection metadata for over **21,629** data collections to GEOSS (4 Sept 2012).
 - Registering a data collection in the IDN in effect registers the data collection in GEOSS.
 - A data collection must be registered in the IDN to be CWIC accessible.
 - CWIC provides access to **1,778** (28 Aug 2012 figure) data collections with inventories.
 - Providing technical support for GEO component teams accessing IDN and CWIC.
 - Providing review comments on GEO documents with regards to IDN and CWIC and GEO capabilities to search and access satellite data.

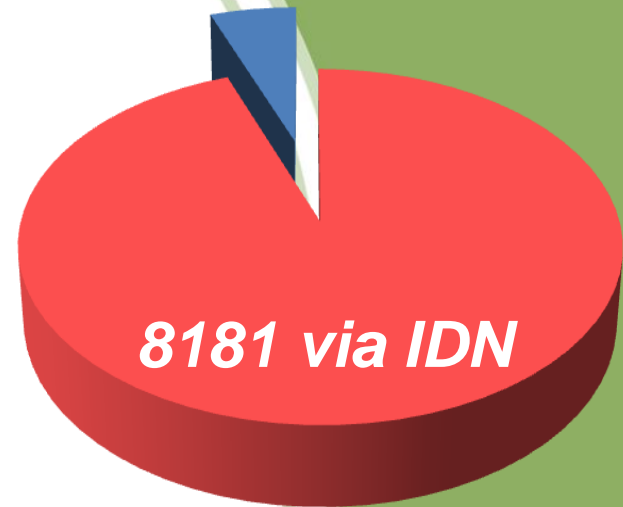
2012 progress, issues, obstacles

•GEO Data Collection of Open Resources

The GEOSS Data Collection of Open Resources for Everyone (GEOSS Data-CORE) is a distributed pool of documented datasets with full and open unrestricted access at no more than

- GEO has **8668** data collections tagged as geossDataCore.
- IDN provides geossDataCore tagging for **8181*** US agencies (and INPE) data collections.
- IDN staff ready and willing to tag data collections from CEOS agencies as “geossDataCore” if requested.
- Tools available to register data collections in the IDN

*4 September 2012 figures



Total : 8668

2012 progress, issues, obstacles



•Data Accessible from CWIC

Current data partners include NOAA, NASA, USGS, INPE, AOE, JAXA, GHRSSST.

- USGS and INPE provides access to operational databases
- AOE added 3rd data center, CRESDA, in addition to BJ-1 and FengYun data centers.
- NASA and NOAA provide access to their operational systems.
 - NOAA will add access to most of the data in CLASS when the new API is released in summer 2013
 - NASA working to make all EO unrestricted online satellite data accessible from CWIC.
- JAXA is a new data partner (prototype), and will provide search to about 200 data collections (~16 million granules).
- SST Constellation (GHRSSST/NODC) adding ~ 60 data collections (~2.3 million granules)
- LSI Constellation team adding additional data to CWIC through the USGS CWIC connection.