

# WGISS Status Report

## SIT-26 Meeting

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May 24-25, 2011  
Frascati, Italy

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## WGISS in Support of GEO Tasks

- AR-09-02a: Virtual Constellations
- DA-09-01a: GEOSS Quality Assurance Strategy
- DA-09-01b: Data, Metadata and Products Harmonisation
- DI-09-02b: Regional End-to-End Disaster Management Applications
- DI-09-01c: Long Term Preservation of Earth Observation Data
- WA-08-01e: Integrated Products for Water Resource Management and Research

# Showcases

- Jointly work with WGCV
  - Forest Carbon Tracking: Lyn Oleson and Tom Holm (USGS)
  - Air Quality: Stefan Falke and Frank Lindsay (NASA)
  - DEM: Wyn Cudlip, Lorant Czarán and Frank Lindsay
- Status to be reported by WGCV

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## Coordinating with Virtual Constellations

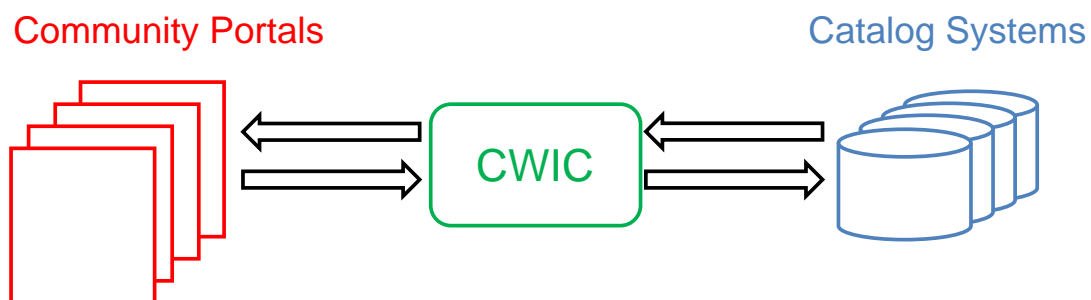
- AC Portal - Atmospheric Composition Interest Group, led by Stefan Falke, NGC
- LSI portal: Land Surface Imaging Interest Group –led Lyn Oleson, USGS

# CWIC

- The WGISS Architecture and Data Contributions (WADC) Project
  - Led by Yonsook Enloe (NASA/SGT)
- CWIC offers an inventory search access point for portals by translating and routing searches to CEOS agency inventory systems.

## Addressing Some Misconceptions about CWIC

- CWIC is not a “portal”.
  - CWIC is an interface between portals and catalog systems.



# Addressing Some Misconceptions about CWIC

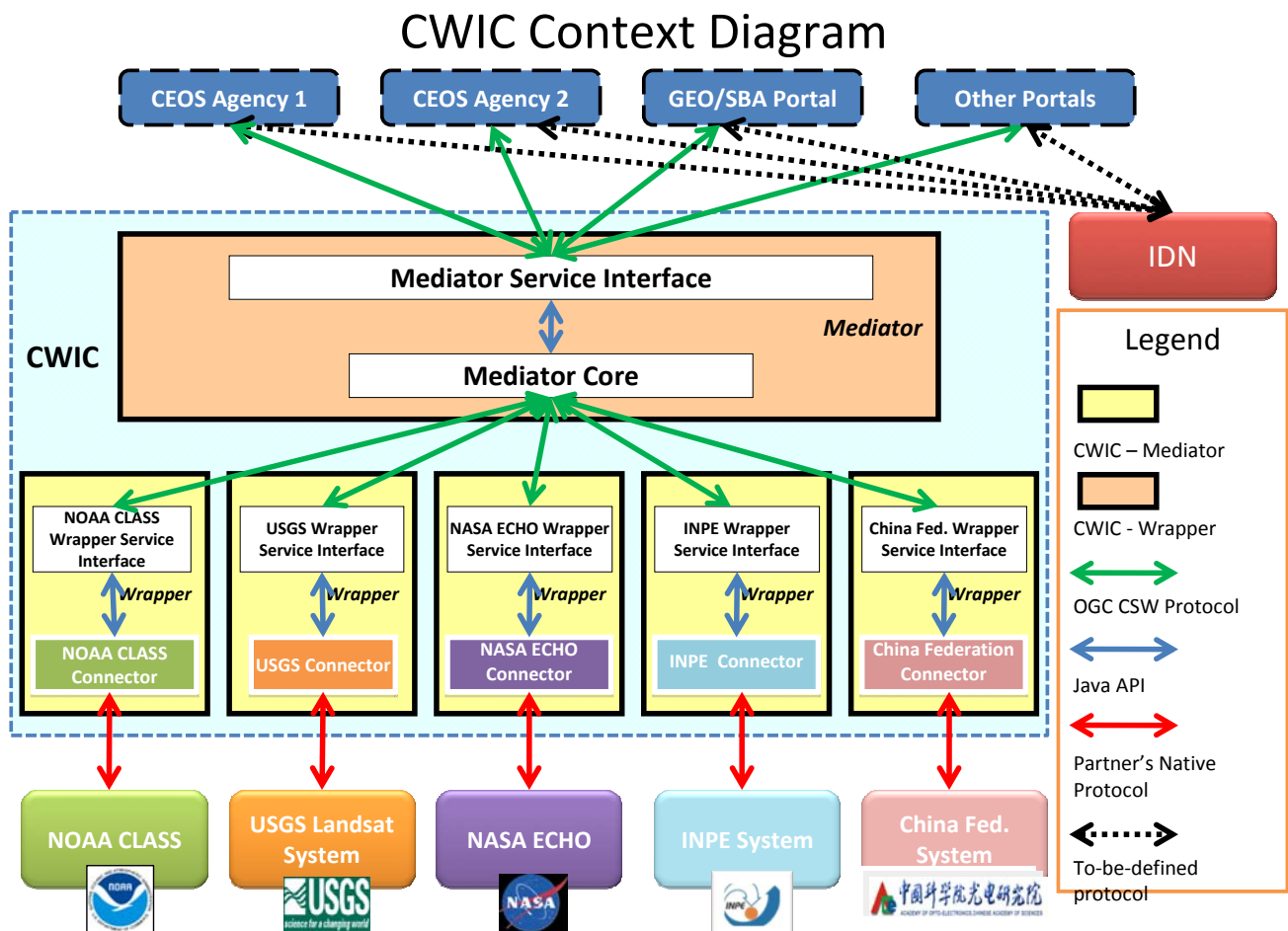
- CWIC does not harvest or maintain a complete copy of the metadata of the agency catalog/inventory systems.
  - Harvesting and maintaining redundant copies of metadata is not efficient or practical in the case of the major agency satellite holdings. Too many data files, changing continuously.
  - CWIC creates a “virtual” catalog via use of OGC and ISO standard interfaces and metadata information exchange.

## CWIC

- CWIC is an element of GCI.
  - CWIC is an infrastructure element being contributed by CEOS through support of GEO Task DA-09-01b.
  - CWIC is a contribution toward the goals of the GEOSS target architecture.
  - CWIC is an example of how to achieve the “system of systems” model of GEOSS through the use of standards-based virtualization techniques.

# CWIC

- The CWIC team is studying search, access, and utilization of satellite data from diverse systems. The CWIC team is using the GEO/OGC standards for search and access. The CWIC partners will identify what modifications are needed to the standards for operational use of the standards with satellite data systems and bring that back to the OGC for future revisions to the standards.
- Participating agencies will use the results of these studies and prototypes in their data management practices and the continuing evolution of their EO data systems.
- Operational users, application users, and science users will be able to access disparate data from differences sources using common interfaces and integrate the data for their individual use.



# Current CWIC Status

- CWIC development team meeting held in November 2010. Team agreed on a basic capability for v1.0 . More capability will be developed iteratively in 2011-2013.
- CWIC V1.0 supports the GEO/OGC Catalog standard but requires the search criteria to include data center name and the name of the dataset that is being searched. Distributed search will be explored for V2.0.
- CWIC 1.0 version is being tested with data provider partners: NASA, NOAA, USGS, China (Beijing-1, CRESDA, NMSC) started in Oct; INPE started in March.
- CWIC 1.0 Demo at the June WGISS meeting!
- Elements of the satellite data information model and the challenges for seamless access to the satellite data have been discussed and documented in a paper.
- Working with the SEO on portal analysis.

## Other Updates

- WGISS-31
  - Rescheduled to June 13-17 at the USGS EROS facility in Sioux Falls, USA.
  - The meeting includes a one day workshop on the topic of the CWIC, and a parallel session for developers on a subsequent day.
  - 35 registered participants (CAS, CCRS, CNES, GISTDA, GSDI-Hungani, JAXA, NASA, NASU, NOAA, NRSCCC, SANSA, UKSA, and USGS)
- WGISS has begun two new activities :
  - Water Portal Project
  - Data Stewardship Interest Group
- Resource persons have been retiring
  - Ken McDonald, NOAA –WADC lead and long time member
  - Lyn Oleson, USGS –LSI Led

# Call for Participants

## CWIC Workshop - June 14-15

- CWIC workshop on June 14-15 at the WGISS meeting in Sioux Falls, South Dakota (USA);
- The CWIC workshop is targeted as a 2 day meeting for new and existing data provider partners, client/portal partners, and the CWIC development team.
- See CWIC workshop agenda!
- CEOS agencies and GEO/SBA portals are encourage to send a representative to the June CWIC Workshop.

## You are invited

- CEOS Agencies are invited to WGISS-31 during June 13-17 at USGS, Sioux Falls, USA.
- Provide nominations for WGISS vice chair (Nov 11- 13) and continuing as WGISS during 2013-15

