



CEOS metadata contribution to GCI

JAXA SIT Chair Team

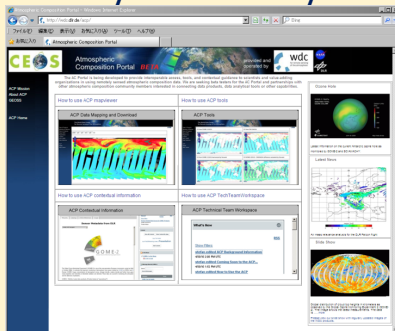


Japan Aerospace Exploration Agency

SIT-26 – ESA/ESRIN Frascati, Italy 24-25 May, 2011

General status

- GEO: Since GCI started, the registration of data and services from GEO M&PO have been inadequate.
- CEOS: Some CEOS VCs have developed/are developing their own Community Portals.
 - Only three are registered with GCI (Cal-Val, MIM and GCMD part of IDN)
 - Some CEOS agency datasets have been registered but NOT systematically.



AC Portal

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LSI Portal

Recent Progress

- GEO:
 - Implementation the Action Plan of GEOSS Data Sharing Principle (DataCORE) has been discussing at ExCOM, DSTF and “Sprint to Plenary” (demonstration direct data access) at ADC
- CEOS:
 - CEOS Agencies encouraged to register their datasets and information resources with the GCI. (Plenary 24-1)
 - CEOS Chair, SEO, CEO, and GEO Secretariat to study possibilities for rationalisation of the multiplicity of portals and tools provided by CEOS. (Plenary 24-3)

What we should consider at CEOS

- Most importantly – if CEOS and its agencies are committed to GEOSS Implementation – we must consider wholehearted and sustained support for population of the GCI and consider it a high priority
- If GCI fails then GEOSS/GEO fails

What we should consider at CEOS

- Who are the GCI Users?
 - Are those for their Community or specific users only?
=> NO. Beyond the existing communities
 - “The GCI allows the user of Earth observations to access, search and use the data, information, tools and services available through the GEOSS.” (from GEO Website)
- How we consider ?
 - CEOS should focus on as data provider => How GCI to show the CEOS agency’s data availability
 - “Metadata” is essential for linkage and interoperable across agency data service systems

What we should consider at CEOS

- GCI components
 - GEO Portal (ESA)
 - GEOSS Clearinghouse (USGS)
 - GEOSS Component&Service Registry (USGS)
 - GEOSS Standard Registry (IEEE)

CEOS metadata contribution to GCI
- DataCORE & Sprint to Plenary
 - demonstration the data direct access and visualization

In discussion at GEO ExCOM and ADC

Level of “CEOS metadata Contribution to GCI”

- **Level 1: URL links of CEOS Portals and datasets to GCI (GEO Portal)**
 - Initially easy. Maintenance a significant factor.
- **Level 2: CEOS Metadata (directory level search) to GCI (GEOSS Clearinghouse)**
 - Doable. Maintenance important.
- **Level 3: Metadata of CEOS agency data, products, and services (inventory search level) to GCI (GEOSS Clearinghouse)**
 - Difficult.

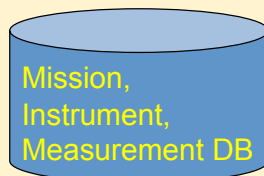
What we should consider at CEOS

- CEOS needs to recognize two important assets

MIM (Plenary/ESA)
Mission, Instrument Measurement

IDN (WGISS/NASA)
International Directory Network

MIM Portal



Information Registration



CEOS Agencies: NASA, ESA, JAXA, NOAA, CNES, DLR, NOAA,,,,,

IDN Portal

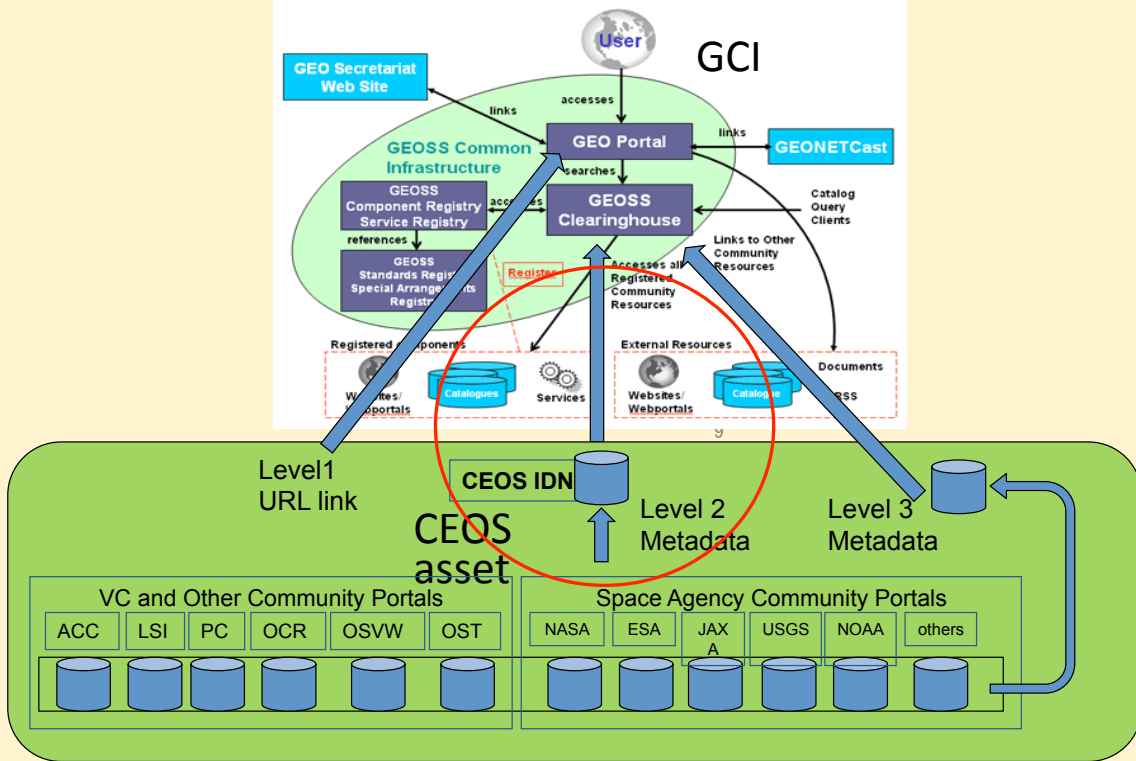


CEOS contribution to GCI



Metadata Registration

9SBA Users (Stakeholders, General Users)



Proposed Actions

- CEOS agency commitment to register each agency metadata to IDN Database
- CEOS metadata (IDN Database) accessible through GCI (Level 2) with a Maintenance Plan
- Target : CEOS Plenary
- Action taker: WGISS