

Data Discovery & Access Interest Group (DAIG)

Work Plan



D.Guerrucci, ESA
Agenda Item 4.1
WGISS-61
16-20 March, 2026
Dehradun, India

❖ **Current activities**

- Federated Authentication and Authorization White Paper - Q1 2027
- Connected Data Assets and Data Discovery improvements (Recurrent)
- Data in the Cloud (postponed to WGISS-62)

❖ **Cooperation with larger CEOS goals where possible...**

- CEOS-ARD Accessibility and Discoverability
- STAC & Zarr, workshops and cooperation (LSI-VC, CEOS ARD, Copernicus)
- Cooperation with TEIG and SEO for possible Authentication mechanism
- Contribution into CEOS Common Dictionary (KCEO) for Data Access related terms

❖ **Recurrent achievement**

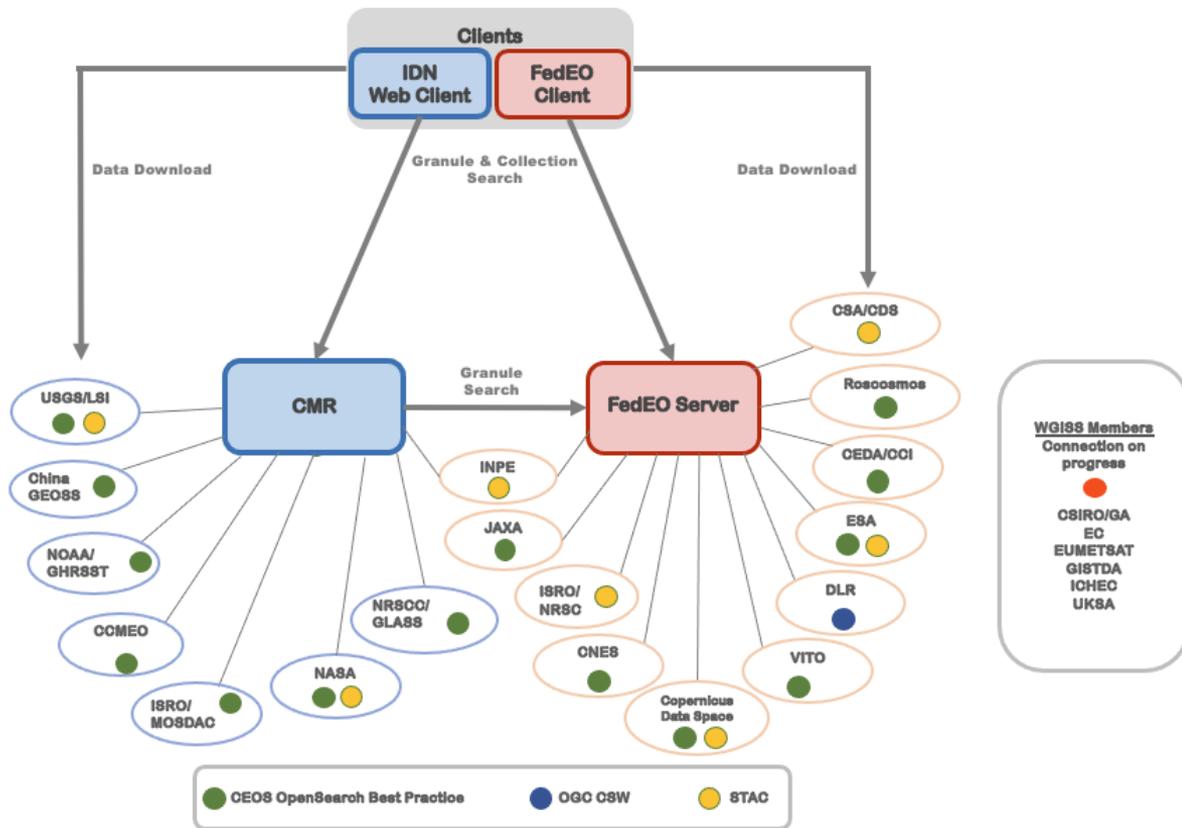
- Constant evolution of FedEO/IDN for implementing emerging interfaces (i.g. STAC)
- Enlargement of metadata ingestion for dataset of CEOS members
- DAIG website and Connected Data Assets process regularly reviewed

❖ Connections completed

CSA/CDS

❖ Connections on progress

- CNES (STAC)
- JAXA (STAC)
- DLR (STAC)
- CSIRO/GA
- EUMETSAT
- ISRO/MOSDAC (to FedEO)
- UKSA



Assigned to DAIG



<u>Number</u>	<u>Title</u>	<u>Status</u>	<u>Creation year</u>	<u>Completion date</u>	<u>Description</u>
DATA-26-06	Interoperability Demonstrator on Supersites	open	2026	2027 Q4	—
DATA-26-01	EO Data Citation Guidelines	open	2026	2026 Q4	These guidelines will provide information on EO data citation approaches and...
DATA-26-02	Interoperability Maturity Matrix	open	2026	2026 Q4	The Maturity Matrix will help users to measure the maturity of...
DATA-26-03	EO Data Provenance Guidelines	open	2026	2027 Q4	The information that documents the history of the data content. It describes...
DATA-26-04	White Paper on Federated Authentication and Authorisation Access	open	2026	2027 Q1	The White Paper on Federation is expected to present background information...
DATA-26-05	Summaries of Digital Twins	open	2026	2027 Q3	This document figure out the difference between "general Digital...

❖ **Accessibility and Discoverability**

- Cloud infrastructure, services and GS operations
- Deployment and evolution of interfaces
- Exploring AI applications for EO Data Discovery and Access

❖ **Usability**

- Data formats (e.g. ARD, ZARR, COG...)

❖ **Interaction with standardization bodies**

- OGC/ISO (Metadata, API)

Session 4: Data Discovery and Access (New Academic Block, Board Room)

Moderator: Damiano Guerrucci

4.1	Data Discovery & Access Interest Group (DAIG) Work Plan	<i>D. Guerrucci (ESA)</i>	13:30
4.2	FedEO report	<i>Y. Coene (Spacebel/ESA)</i>	13:40
4.3	IDN report	<i>D. Newman (NASA), M. Morahan* (KBR/NASA)</i>	14:00
4.4	CEOS-ARD Accessibility and Discoverability - progress report	<i>Y. Coene (Spacebel/ESA), M. Paget* (CSIRO)</i>	14:20
4.5	Progress and opening of STAC API catalog at JAXA	<i>Y. Ikheata (JAXA)</i>	14:40
Tea Break (New Academic Block, Cafeteria)			15:00
4.6	Federated Authentication and Authorization White Paper status	<i>F. Marchesi* (Solenix/ESA)</i>	15:20
4.7	OGC Testbed-21 4IPT - activity report	<i>Y. Coene (Spacebel/ESA)</i>	15:30
4.8	ESA/NASA MAAP	<i>R. Alacevich* (ESA)</i>	15:50
4.9	NASA update on federation	<i>D. Newman (NASA)</i>	16:10
4.10	Open discussion on Challenges & strategic solution (chapter 5)	<i>F. Marchesi* (Solenix/ESA)</i>	16:30
	<i>Closure remarks</i>		16:50
Adjourn			17:00