

# WGISS Connected Data Assets Status Report

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Yonsook Enloe  
Andrea Della Vecchia



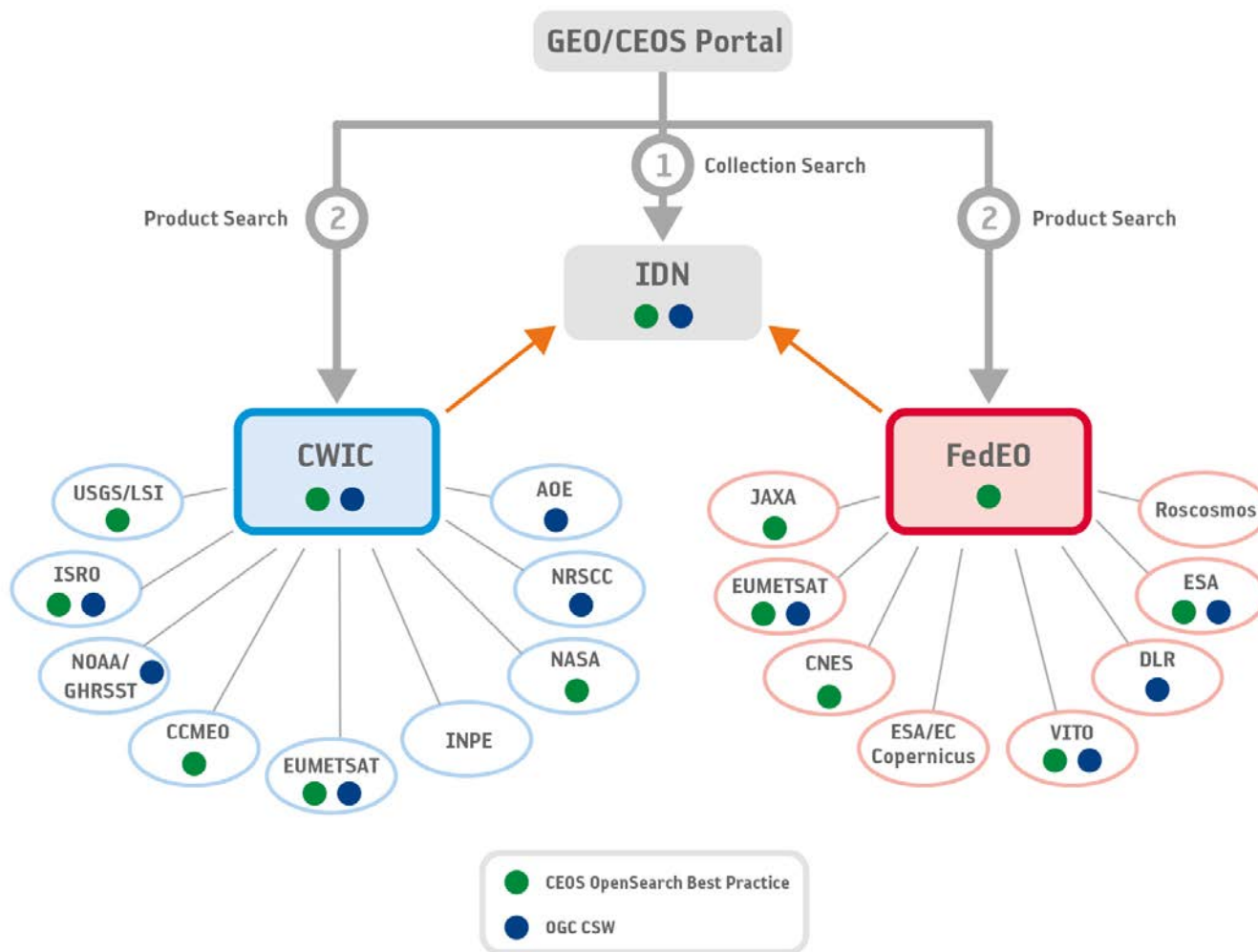
# WGISS Connected Data Assets

## Session Today



- Introduction
- **WGISS Connected Data Assets Status Report – Andrea Della Vecchia/Yonsook Enloe**
- IDN Report – Michael Morahan
- CWIC Report – Archie Warnock
- FedEO Report – Andrea Della Vecchia
- Services & Tools Update – Valerie Dixon
- OGC Happenings – Andrea Della Vecchia/Yves Coene
  - Testbed15 “Service Discovery”
  - OGC 17-184 “Collection Description”
- GEOSS Platform – Guido Colangeli

# Architecture WGISS Data Assets





**WGISS-47-17a&b – Identify the best approach to implement a single map-based front-end/portal to discover and access CEOS agencies data through WGISS CDA back-end. Implement CEOS branding for portal.**

- NASA's Earth Data Search Client is offered for this. EDSC can search collections at IDN and activate the granule search for CWIC & FedEO collections at the data partner sites. Michael Morahan will demonstrate this during the IDN Report.**



## **WGISS-47-17c – Assess advantages and feasibility to implement (part of ) CEOS Data Usage Metrics**

### **Progress Report:**

- **WGISS Connected Data Assets (WCDA) System Level Team (SLT) analyzed the current metrics being reported or planned to be reported by IDN, CWIC & FedEO to identify what metrics can be collected by the WCDA. Can collect metrics associated with metadata search and not the data access.**
- **Primary importance are the metrics associated with usage of the system (metadata search) and failures (number of searches that failed; average time of search completion).**
- **Failure metrics will be used to identify system failure at data partner sites.**

# WGISS Action: ECV Dataset Registration



**WGISS-47-29 – CDA SLT to analyze what kind of effort and solution can be accomplished by WGISS to automate future ECV inventory updates**

**WGISS-47-30 – CDA SLT to send WGClimate the list of elements in the inventory that should be made mandatory so they can be registered automatically**

- **Sustained effort to analyze the spreadsheets for ECV dataset information and align that with the IDN fields needed for dataset registration and to communicate that information back to the WGClimate.**
- **Registration of ECV datasets much improved**

# Towards a WGISS Federation



- Data collection registration at the IDN using the IDN keywords; Info about how granule search is supported will be included in the data collection registration; Tag for granule access;
- Data partners need to support 1 of the 2 supported WGISS standards
  - CEOS OpenSearch Best Practices (v 2)
  - **OGC CSW 2.0.2 (time to only support CEOS OpenSearch going forward?)**
- All searchable data must have a data access path
  - Data download
  - Data order (free or with cost)
  - Email order (free or with cost)
- Servers must have high availability (99%?)
- A technical point of contact needed for each data partner



**IDN Metadata Registration set of docs and tools:**

**<http://ceos.org/ourwork/workinggroups/wgiss/access/international-directory-network/>**

**WCDA (WGISS Connected Data Assets) Client Guide**

**CWIC Data Partner Guide (OpenSearch)**

**FedEO Data Partner Guide**

**CWIC Synchronization Document (test scripts to test dataset access)**

**WCDA Error Handling**

**CEOS OpenSearch Best Practices v1.2**

**CEOS OpenSearch Best Practices Conformance Test Plan**

**CEOS OpenSearch Developer's Guide**





## WGISS Connected Data Assets Status Page

<http://ceos.org/wgiss-connected-data-assets-status/>

- Automated updated (daily) metrics for WCDA searchable collections/granules in IDN, CWIC, & FedEO
- Single document, WDCA Client Guide, gives details on how to search for all the data collections/granules in the WCDA
- Error handling approach agreement



- **Adding Services/Tools to WCDA;**
  - NASA is defining how Services and Tools can be described and invoked in the Unified Metadata Model (UMM)-Services and UMM-Tools documents. WGISS CDA was invited to participate in the document review which ended Aug 30, 2019. Andrea Della Veccia and Yves Coene participated).
  - Can the elements described in UMM-S & UMM-T be used to add services/tools to WCDA?
- **Developing FDA capabilities to give users a specialized “chunk” of data, preprocessed to be ready to analyze.**



- IDN, FedEO and CWIC accessible from Geo Web Portal and integrated via GEO DAB
- WGISS Connected Data Assets webpage on the WGISS webpage display metrics → the link to the completely revamped automated page has been given to CEOS CEO and GEO Sec.
- WDCA Client Guide document available to the GEO data providers

# Outreach to Tool Developers



- **WDCA Client Partner Guide** – document written by the System Level Team; Details how to search for collection and granule data at IDN, CWIC, and FedEO.
  - How to search for CEOS data collections in IDN
  - How to search for CWIC/FedEO data granules
  - How to search for GEOSS tagged collections
- **Outreach to potential tool developers**
  - One page flyer targeting tool developers (need to update urls – see below)
  - Soft copy of the flyer will be kept on the WGISS website
  - Local printing
  - **Issue: old urls (<http://wgiss.ceos.org>; [wgiss.ceos.org/access](http://wgiss.ceos.org/access) etc) do not work anymore with move to new email listserv. Need to update outreach materials.**