

Satellite & *in situ* data access

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The Geneva objective was

To reach a consensus on cal/val data, including:

- Availability and accessibility
- Reporting, usability and interoperability

so as to address the GEOSS Societal Benefit Areas (SBA) and meet national and international commitments

In Geneva, we agreed

1. To share cal/val data, satellite and *in situ*, across CEOS member agencies, organizations and interested parties
2. To routinely generate and provide satellite data subsets for CEOS endorsed sites and targets
3. To review suitability of GEO data sharing principles for cal/val activities
4. To implement a cal/val portal for CEOS and GEO

Data sharing

Premise: satellite and *in situ* datasets are to be readily shared across CEOS member organizations and contributing parties

- Data must include appropriate indicators (quality, suitability of use, etc.)
- Data should be made available to the cal/val community in a timely manner
- Satellite data subsets should be planned for and routinely generated for key validation sites and targets

Data sharing issues

1. Actual data access

- Timeliness of dataset reporting and their availability (completeness) are highly variable
- Access to the datasets themselves may be difficult due to the distributed nature of data sources and their repositories

2. Data format

- Formats are historic and area/topic dependent
- Usability/quality information is usually incomplete or missing

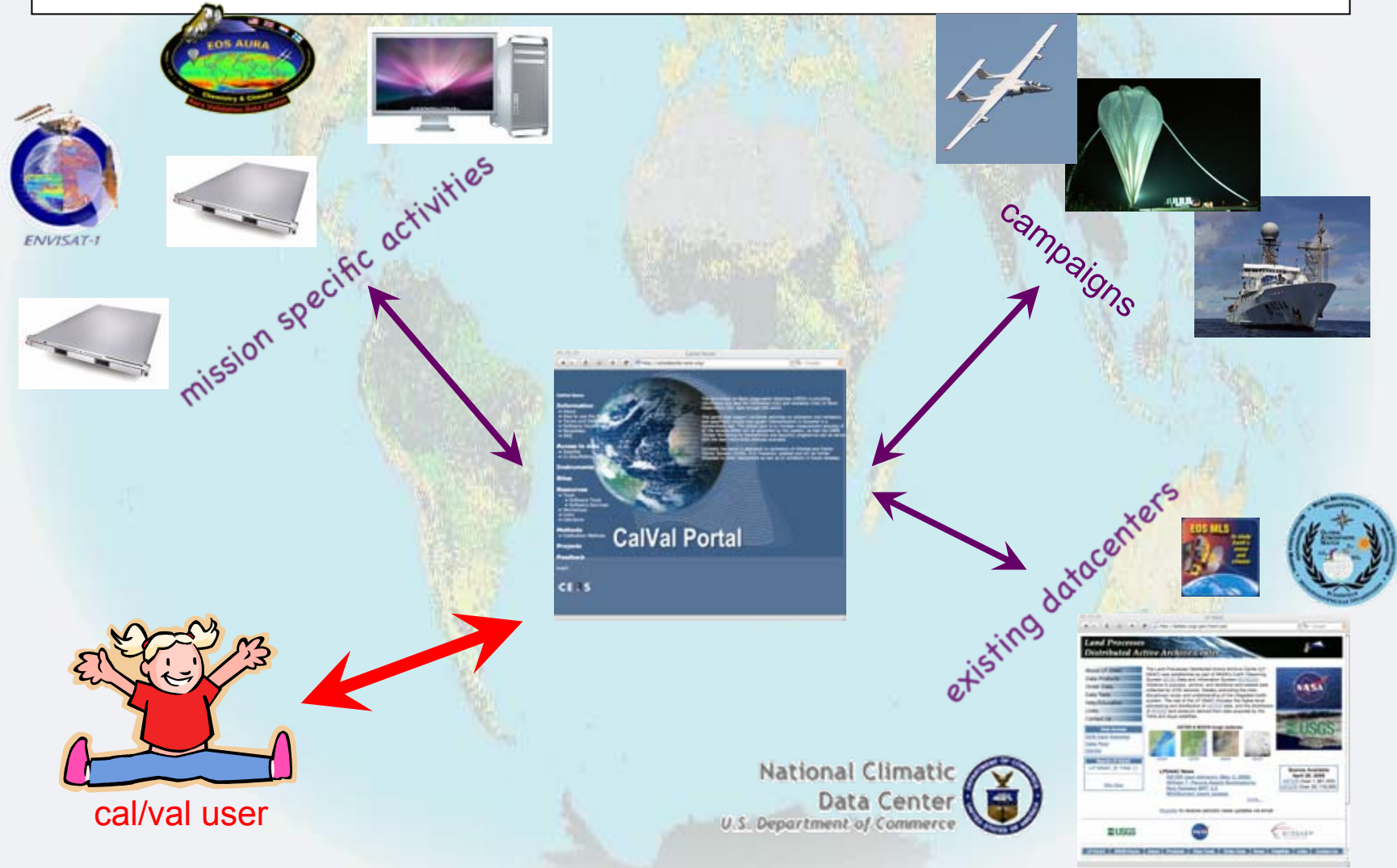
3. Data ownership

- How do we respect and maintain data ownership?

CEOS cal/val portal

- Established by ESA in late 2007 - <http://calvalportal.ceos.org/>
- The portal is intended as an “entry point” to readily find **information** on cal/val activities, data, requirements, quality, documentation, terminology, etc.
- The portal will store metadata of cal/val data stored at peer data facilities
- Access to the portal is public, while access to the actual datasets are subject to some restrictions

CEOS cal/val portal interactions



Cal/val portal issues

1. Long-term funding
 - Long-term support is required to ensure usefulness of site
 - Currently the portal activities are fully supported by ESA

2. Portal moderator/administrator
 - Information content and technological implementations needs coordination across missions and disciplines
 - Requires **focus** and dedicated activity - “ownership”

3. Information (metadata) exchange with peer facilities
 - A standard needs to be agreed upon (or established) to effectively report data availability and “status” across missions and agencies