CEOS Cal/Val Portal: Update

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New Cal/Val Portal Online!

Important Milestones

1. Upgrade of system – New Portal installed, hardware upgraded
2. Content re-organisation.
    a. Major clean up of un-used pages
    b. Simplification of Menu
3. ACSG placeholder for data access added to WGCV section (IVOS actively used)
4. Re-design of data access portlet (on–going)
5. Access to ISMN data via the data access portlet (on-going)
6. DCIO initiative completed – Database to be published soon via the data access portlet
7. Section on Test Sites under review to incorporate different disciplines
8. From Stat Info Collected during past months, some of documents have been downloaded 80,000 times.

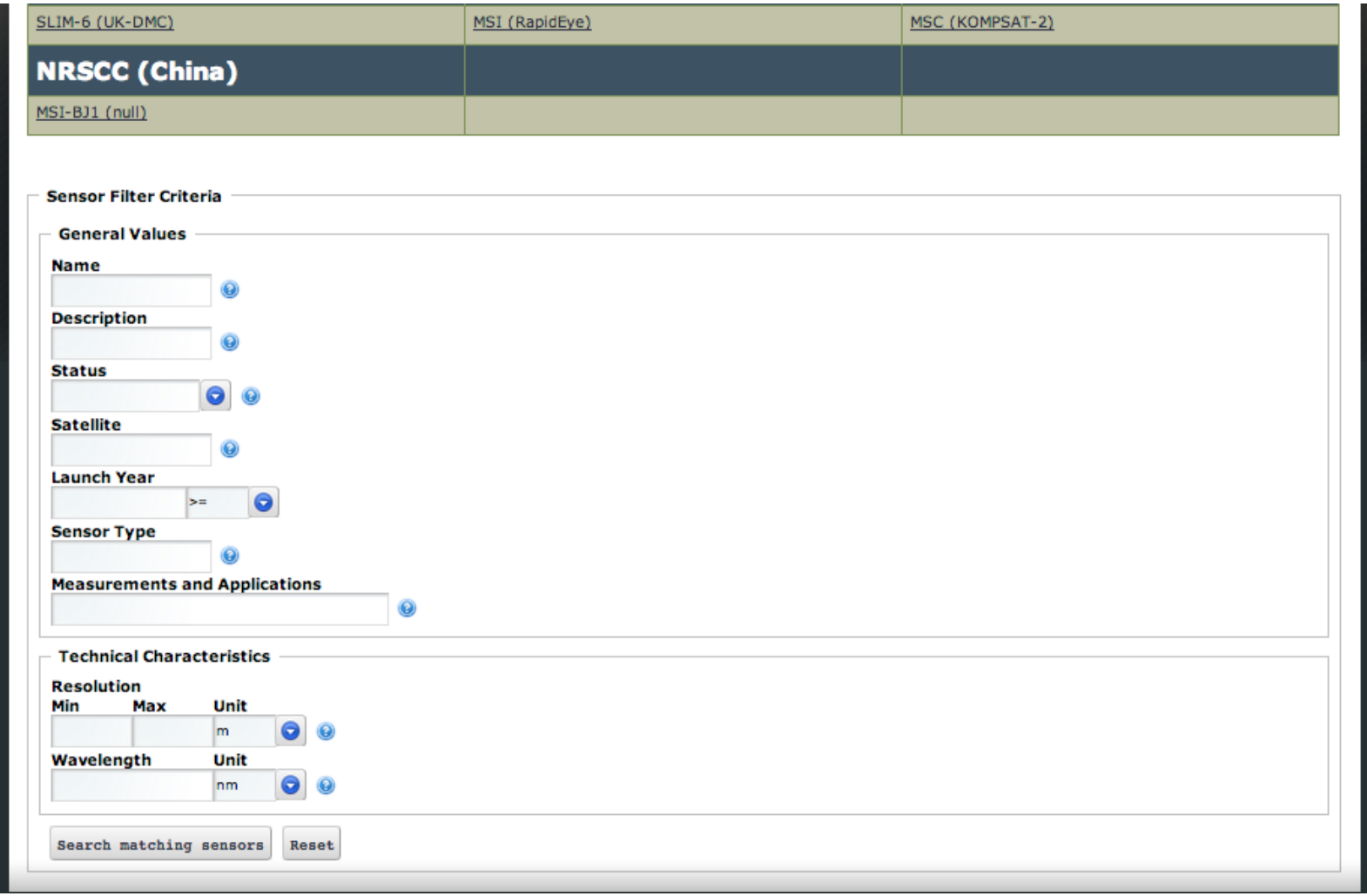
Tools: DIMITRI – COVE – 6s - OLIVE

Last Workshops: L1, LPVE, Sentinel 3 Cal/Val Planning

1. CVP is being used to store and publish presentations and MoMs of workshops, meeting and conferences.
2. Workshop on "EO L1 – Lessons Learnt" is online, but hidden to the common public, access is restricted to participants
3. Land Product Validation and Evolution Workshop is available
4. Sentinel 3 Cal/Val Planning Meeting + Virtual community created to underpin the collaboration within the community (mySPPA)

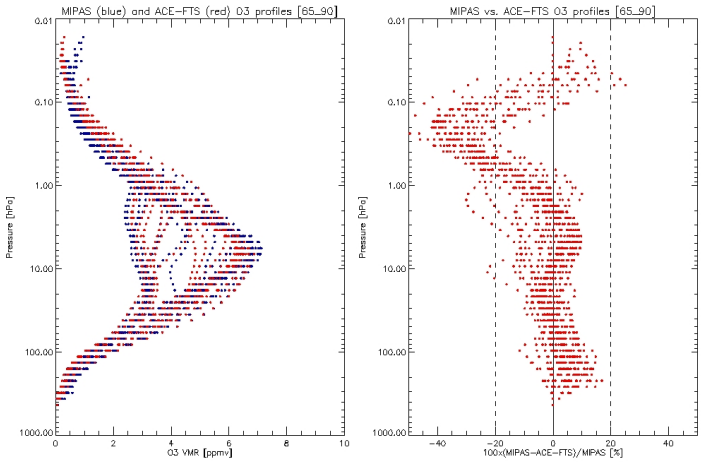
New Mission Portlet

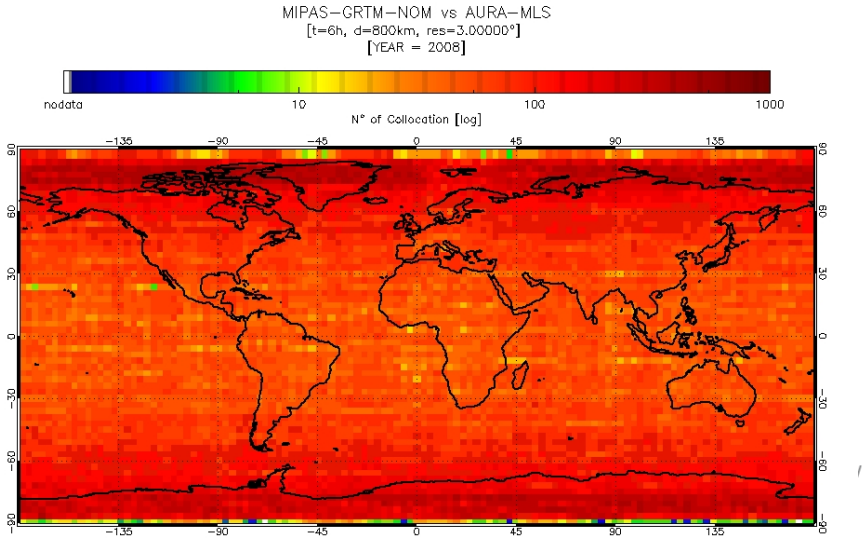
1. New Search Interface allows to query a database of sensors (per resolution, per wavelength, etc..)



Tools – Status

1. Atmospheric Intercomparison Tool (L2 – Sat to sat and Sat to Ground) prototyped
2. Overpass database completed
3. Collocation database completed for MIPAS – SCHIAMACHY – GOMOS – MLS – ACE-FTS
4. First results published at the Living Planet Symposium
5. Overpassing tool for Nadir data prototyped
6. Source code and reading routines will be made available via CVP
7. ESA data extractions on request

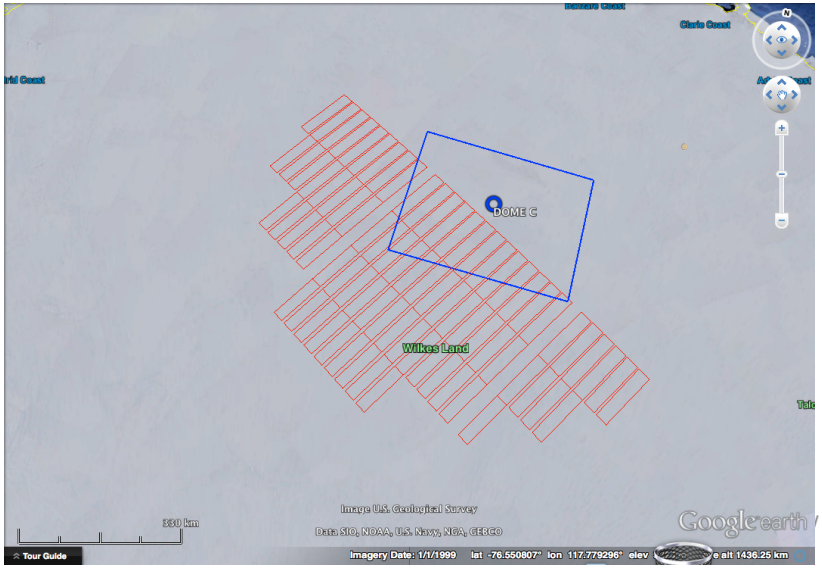




Extraction of Sciamachy Level 1

1. Overpass database has been populated – based on Postgres/postgis, orbits are stored per state to allow a fast access to spectra
2. Calibration Module is completed – ESA SCIAL1C tool is used to process data from L1B to L1C (calibrated Spectra)
3. Python Extraction Module – On going
4. Extracted data will be stored in Hdf5 or netCDF (if possible the CF convention will be taken into account)

5. Open points – resolution of obs changes along the spectra. (high res spectra will be averaged)
6. Cloud Screening not directly implemented in L1 -> to identify a cloud detection algorithm.



Completed – Integration of ISMN

Overview on ISMN:

The International Soil Moisture Network is an international cooperation to establish and maintain a global in-situ moisture database.

Objectives:

-To allow easy access to ISMN data via CVP interface

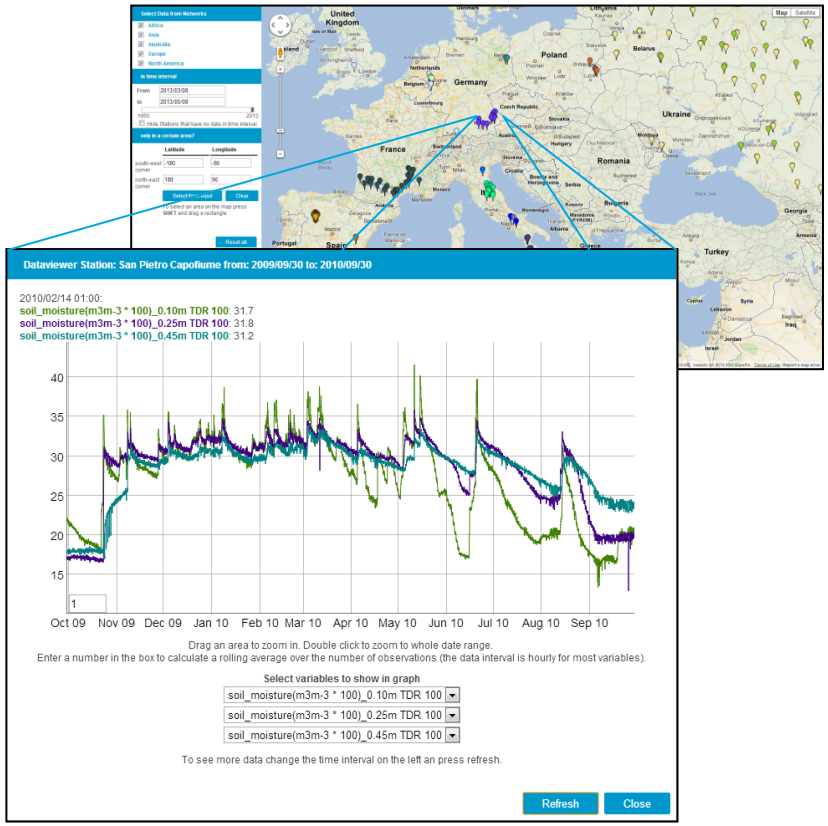
- To allow access to correlative SMOS data

- Systematic subset of SMOS data over ISMN Test sites

- To facilitate validation of SMOS data

To be implemented this year

Direct Access to data



RadCalNET as a project within the portal

1. A new project (currently hidden to the public) has been created – RadCalNET
2. RadCalNET project members have editing credential for the project page. Document Repository, Forum and Pages.
3. Project Results will be available to the public.

4. We encourage to use the portal for international projects! SnowPEX is a winning example as the portal can be used as a collaborative platform across agency (European and American agencies/companies involved). Reference dataset will be hosted by the portal.

Suggestions?

1. New subgroups contributions are encouraged
2. External Cal/Val contributions, such as SnowPEX, welcome
3. What do you expect to find in the portal? Docs? Data? Tools?
4. Is the portal meeting the WG and SGs needs and expectations?