

8th GEO European Project Workshop:

Splinter Session:

**“How Copernicus and its Downstream Projects
can contribute to the GEOSS”**

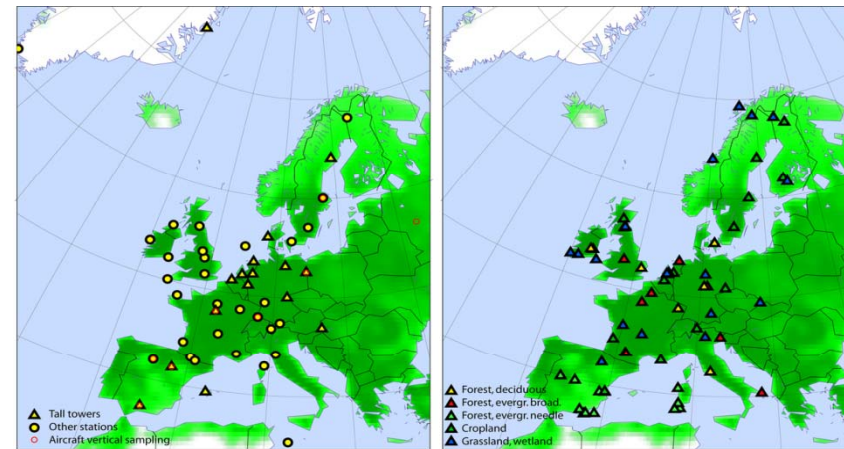
Chair: Silvo Zlebir

Rapporteur: Vassilis Amiridis

Jean Daniel Paris (CEA-CNRS-UVSQ)

ICOS: Integrated Carbon Observing System – greenhouse gas observations for GEO and Copernicus

The ICOS Research Infrastructure has been presented, which provides in-situ greenhouse gases observations directly to Copernicus via MACC, providing support to the satellite and modeling atmospheric communities.



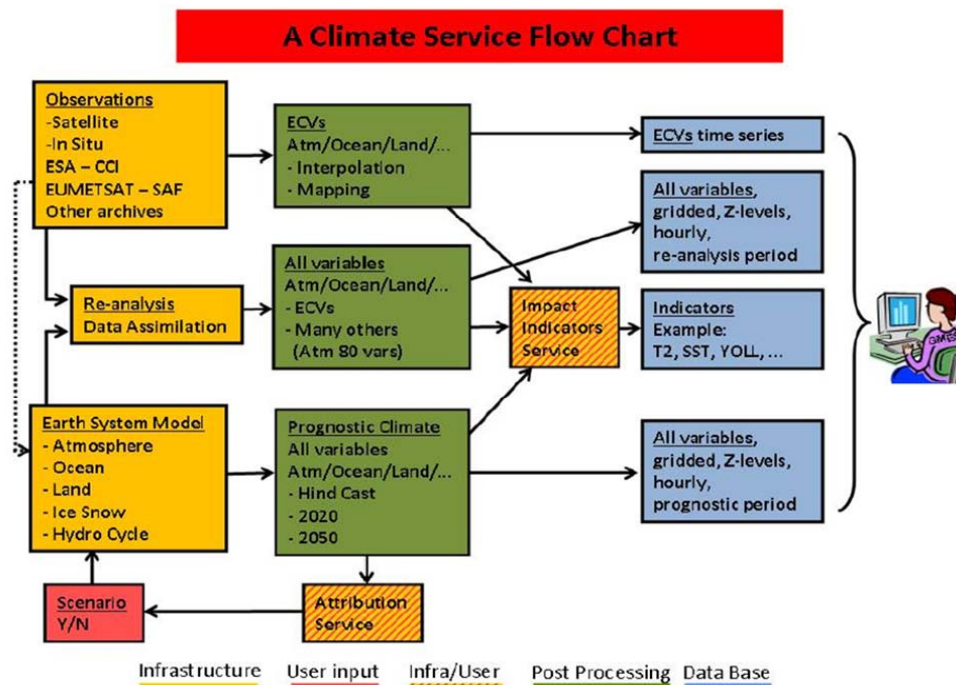
The need for the optimization of ICOS has been discussed, specifically regarding:

- The uninterrupted availability of data production and linkage into networks, in line with the **GEOSS Data Sharing Principles**
- The need to expand the network especially in Eastern Europe. The new ICOS station of Finokalia in Crete, Greece has been presented

Bert Boer (University of Twente)

CORE-CLIMAX – Coordinating earth observation data validation for re-analysis for climate services

CORE-CLIMAX project has been presented, aiming to propose for structured processes for delivering and validating Essential Climate Variables (ECVs). The project has strong links with European Earth Observation programs like Copernicus, GCOS, ESA CCI and EUMETSAT SAF.

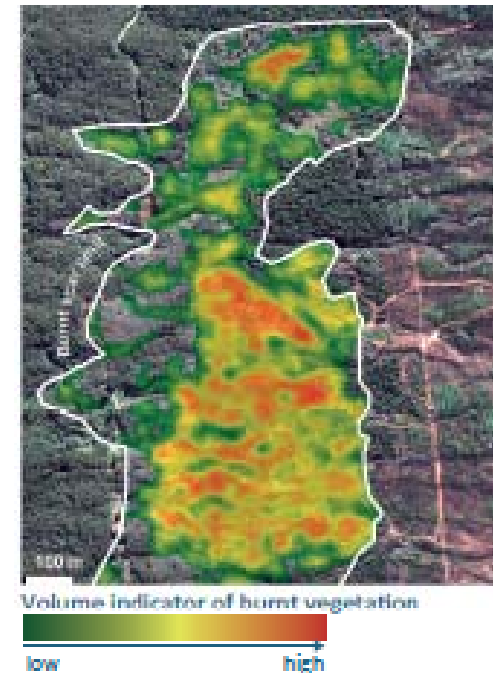


The survey showed that most users use all the ECVs, but they concentrate on the surface temperature, wind and pressure, then the upper air temperature and wind. The users use mostly re-analysis products instead of direct in-situ fields, since these products use advanced techniques to assimilate in-situ data.

Georgios Eftychidis (Center for Security Studies)

PREFER – Space-based Information Support for Prevention and REcovery of Forest Fires Emergency in the MediteRanean Area

PREFER aims at the development and pre-operational demonstration of a space-based end-to-end information service to support prevention/preparedness and recovery phases of the Forest Fires emergency cycle in the EU Mediterranean Region.



The PREFER Information Service will consist of a centralized system and a complete EO data processing chain for archiving, visualization and delivery to the end-users of the products arranged in two main lines:

- **Preparedness/Prevention phase : six (6) information and mapping products**
- **Emergency and Recovery phase: seven (7) information and mapping products**

Lena Klemm (GmbH)

Copernicus and GNSS: fostering innovativeness and competitiveness in the mobile service industries

The Copernicus Masters is awarding prizes to innovative solutions for business and society based on Earth observation data. Its mission is to:

- Create awareness for the European Copernicus programme
- Foster product development and entrepreneurship in Europe

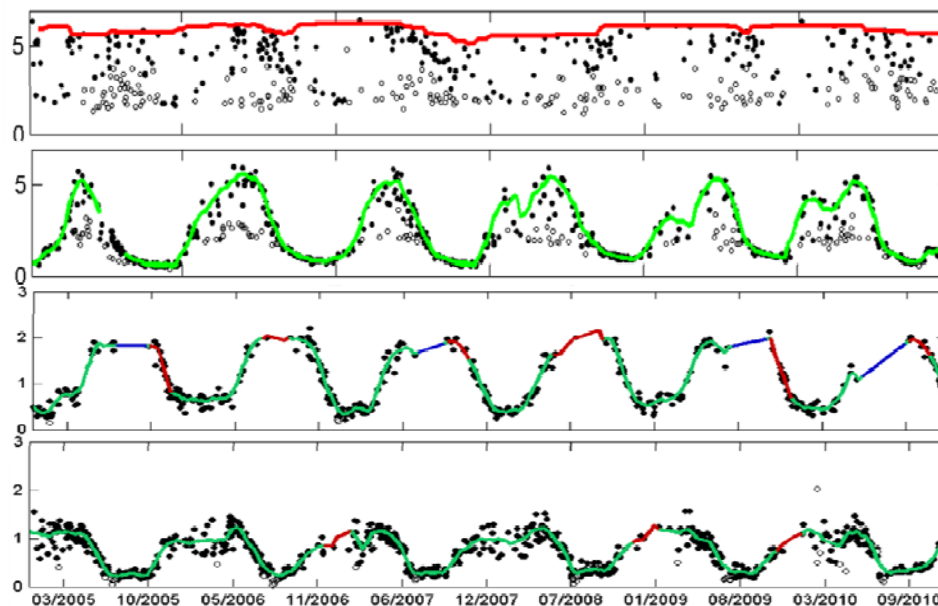


The European Earth Monitoring Competition has been presented where 350 ideas have been submitted in total in a large range of application fields utilizing EO data. Examples of the funded mobile applications have been presented.

Roselyne Lacaze (HYGEOS)

Operational Production and Dissemination of Biophysical Variables from PROBA-V Data

The ImagineS project has been presented, which directly supports the evolution of the Copernicus Global Land Service. Examples of retrievals and operational land services have been demonstrated.



ImagineS prepares the use of Sentinel data for Copernicus Land services by:

- Improving retrieval methodologies of biophysical variables
- Developing qualified software able to ingest multi-sensor data