



*GEO Data providers workshop 20, 21 April 2017, Florence, Italy*

**eurac**  
research

**Organisation:** Eurac Research, Institute for Applied Remote Sensing, Bolzano, Italy

***Data provider short description.***

Eurac research is a private non-profit organization for advanced research and scientific training in South Tyrol, Italy, and is composed of eleven institutes pertaining four distinct areas of research: Technologies, Autonomies, Mountains, and Health.

The mission of the Institute for Applied Remote Sensing, founded in 2006, is to fuse EO techniques with interdisciplinary approaches in environmental research. The main focus is on regional adapted research, products and services for the Alps and other mountainous regions in the world. The outcome of the Institute research consist of a range of EO based products and services for local, regional and European applications. The results of the research are shared through OGC and INSPIRE compliant standard.

***How do you contribute to the GEO Vision?***

The aim of our organization is to facilitate the accessibility of the data and the added value information among stakeholder, partners and decision makers by means of interoperable standard. The mean of this is the SDI services (CSW, WMS, WFS, WCS, WMS-T, SOS), but also the we foster the access of BigData by bringing the users to the data, by means of a PaaS.

***Type of organization:*** NGO

***Type of data:***

Eurac research handles heterogeneous environmental data: satellite, in-situ and third parties data. They are available through OGC web services and are listed in a CSW complaint catalogue at <http://sdi.eurac.edu>. Most of the data are **satellite** MODIS, S-NPP VIIRS, Sentinel-1 and Sentinel-2A derived product time series (snow cover area, ndvi for example), **in-situ** measurements for soil moisture, NDVI, solar radiation, temperature, air humidity and other relevant environmental parameters. Some In-situ datasets are exposed through SOS (sensor observation services).

**Data policy adopted by your organization:** The data policy is generally adhering to creative common CC-BY license, unless differently specified

**For newcomers:**

- **Why you are interested to join GEO- GCI**

*In joining the GCI there could be more options to share the research result, gaining more visibility, fostering further research and innovation activities*

**How GEO could benefit your organization**

*Since 2009 EO products by eurac research have been organized into an OGC compliant Infrastructure, and some tools for facilitating the harmonization of ingestion, the processing, the automatic generation of metadata and the visualization have been developed, and could be shared with GEO*