



The AERIS data catalogue

Guillaume Brissebrat (1), Damien Boulanger (1), Cathy Boonne (2), and Nicolas Pascal (3)

(1) Observatoire Midi-Pyrénées, SEDOO, CNRS, Toulouse, France (contact@ aeris-data.fr), (2) Institut Pierre Simon Laplace, ESPRI, CNRS, Paris, France, (3) UMS ICARE, CNRS, Lille, France

AERIS, the French Data and Services Cluster for Atmosphere (www.aeris-data.fr) aims to facilitate and enhance the use of French atmospheric data acquired by satellites, ground-based facilities and airborne platforms during long observation periods and scientific campaigns. AERIS is involved or in charge of the data centre of European programs or Research Infrastructure such as ACTRIS and IAGOS and therefore connected to ENVRI-FAIR the Environmental Hub for EOSC.

AERIS has implemented a data catalogue (<https://en.aeris-data.fr/catalogue/>) in order to make all the AERIS datasets discoverable and accessible. For this purpose, all the metadata describing the datasets are the most complete as possible and made compliant with the ISO-19115 standard and the INSPIRE directive. In order to share metadata with others the catalogue can be harvested (globally or partially) using the CSW standard.

To allow interoperability with other data portals, standard services are being implemented (OpenDAP; WMS, WFS, WCS from OGC, etc.) and a vocabulary linked to the ones used in the French and International Environmental Community will be setup. In the next years an emphasis will be made to the use of semantics in order to improve the data discovery and advanced services such as online data comparison and processing.