



## **openEO platform: a Federated Open Earth Observation Platform**

openEO platform (<https://openeo.cloud/>) represents a unique platform service based on a federated infrastructure and data offer that is implemented by a consortium consisting of EODC, VITO, Sinergise, University Muenster, EURAC, EGI and GEO. The openEO platform service is provided to users resp. customers through EODC. The federation (currently including deployments at EODC, TerraScope and including a data federation with Euro Data Cube) is realised by the open source openEO API (<https://openeo.org/>) that provides a unified access by intuitive client libraries (python, JavaScript,R).

Currently, the initial version of the openEO platform service for early adopters and trainings is made available towards users. Nevertheless, this initial version already includes access to a federated processing and to complete archives of Copernicus datasets (e.g. Sentinel-1 GRD, Sentinel-2 L1C, L2A and Sentinel-3 OLCI and SLSTR). Further details in respect to the available data sets can be found in section 3. In the following months the service offering will be expanded through a planned six-month release interval.

To support the early adopters, a comprehensive documentation portal has been established at <https://docs.openeo.cloud/>. This portal offers everything from getting started guides to Jupyter notebooks that illustrate more advanced use cases. This will simplify and accelerate the initial start with openEO platform and demonstrates its current capabilities. To further facilitate the exchange between users and developers a discussion forum is offered to all registered users, see <https://forums.openeo.cloud/>.