

# EXPANDS

**European Open Science Cloud Photon  
and Neutron Data Services**

## **ELETTRA: Integration of Federated Metadata Catalogue**

07/12/2021



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# Current Setup Status

- Elettra/CERIC uses iCAT extending User Office database (VUO) to store experimental metadata in order to be ambidextrous and ensure sustainability over the long-term preservation. The instance is accessible by [https://vuo.elettra.eu/pls/vuo/open\\_access\\_data\\_portal.show\\_search](https://vuo.elettra.eu/pls/vuo/open_access_data_portal.show_search)
- Invenio is used as the experimental backend, left WIP for future investigation;
- Current setup consists of a centralized iCAT installation populated by software that gathers metadata coming from acquisition files and proposal metadata coming from the VUO. The instrument specific software harvesters for the actual metadata are WIP in modular architecture;
- The OpenID Connect iCAT plugin WIP for being used as the authentication system with Keycloak;
- The metadata injection crawlers are WIP . They are planned to be run over the Elettra storage system, in which data are saved via Tango (Elettra Control System) or via ad-hoc uploading tools. Ingestion of the new metadata is planned for early January;
- EOSC API and micro services are as ready, as the iCAT is implemented with OAI-PMH plugin (which is already installed);
- The iCAT community is working on an iCAT plugin implementing PaNOSC WP3 Federated Search API. The release of this plugin with consequent installation over CERIC infrastructure, is foreseen by the end of 2021.

