

C-SCALE: Services, Outcomes and Impact

Thursday 28 September 2023 11:20 (30 minutes)

The H2020 C-SCALE (Copernicus –eoSC AnaLytics Engine, <https://c-scale.eu/>) project has created services to unlock the vast potential of Copernicus data for advanced Earth Observation analytics by providing a pan-European federated data and computing infrastructure through the EOSC Portal. As the project is coming to the end, this session aims to present the main outcomes of the project with a focus on how the Iberian e-infrastructure community has contributed to those.

During the conference session, attendees will be presented with an overview of the resulting C-SCALE service portfolio, which has been made accessible through the EOSC Marketplace, including the FedEarthData, EO-MQS and openEO platform services and the Workflow Solutions, designed to enhance the efficiency of data processing and analysis, thereby streamlining both research and application development in Earth Observation. The session is tailored to cater to the needs of both data and compute providers - for both comprehensive information will be shared on how to become part of the C-SCALE federated ecosystem. Real-world examples on how INCDC have been contributing and leveraging C-SCALE services will be provided, such as the deployment of a self-hosted STAC Catalog as a support for both the OpenEO and the Agriculture of Data use case. Finally, sustainability of the project results and its early and future expected impact will be discussed - including how to engage in the services and foster potential follow up collaborations.

Primary authors: FERREIRA, César (INCDC); DAVID, Mário (LIP); SALAZAR FORN, Xavier (EGI Foundation); Mr BENTA, Zacarias (INCDC)

Co-authors: Mr BACKEBERG, Bjorn (Deltares); Mrs CHATZIKYRIAKOU, Charis (EODC); Dr BRIESE, Christian (EODC); Mr SCARDACI, Diego (EGI Foundation); Dr FERNANDEZ, Enol (EGI Foundation); Mr LUNA-VALERO, Sebastian (EGI Foundation); Mr ŠUSTR, Zdeněk (CESNET)

Presenters: SALAZAR FORN, Xavier (EGI Foundation); Mr BENTA, Zacarias (INCDC)

Session Classification: IBERGRID

Track Classification: Development of innovative software and services