

# About us

Europe lacks an integrated compute and storage infrastructure that would support the exploitation of Copernicus datasets in scientific and applied applications.

C-SCALE responds to that challenge by making Copernicus data, tools, resources and services easier to discover, access and share.



# Our Info

Find out what C-SCALE has to offer



[contact@c-scale.eu](mailto:contact@c-scale.eu)



<https://c-scale.eu/>



[@C\\_SCALE\\_EU](https://twitter.com/C_SCALE_EU)



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101017529.



C-SCALE



# C-SCALE

Enabling Copernicus Big Data Analytics through EOSC

## for Providers

# Our Mission

C-SCALE empowers European researchers, institutions and initiatives to easily discover, access, process, analyse and share Copernicus data, tools, resources and services through the EOSC Portal, a catalogue of possible services for EOSC.

## How?

The C-SCALE project enhances the EOSC Portal with pan-European federated data and computing infrastructure services for Copernicus.

## Our services



FedEarthData



Metadata Query Service



OpenEO platform



Workflow solutions



Based on satellite and in situ observations, the Copernicus services deliver near-real-time data on a global level, to help us better understand our planet and sustainably manage the environment we live in



EOSC will be a 'Web of FAIR Data and services' for science in Europe. It will be a multi-disciplinary environment where researchers can publish, find and re-use data, tools and services, enabling them to better conduct their work



enables



### Seamless access

C-SCALE seamlessly integrates access to EO and Copernicus data into the EOSC portal service offerings, exposing Copernicus data to a much broader audience

### Easy Processing & Analysis



C-SCALE federates European e-infrastructures and lay the foundation for a European open Big (Copernicus) Data Analytics platform



### Cross-disciplinary research

The integration enabled by C-SCALE helps to make the Copernicus data FAIR and create optimal conditions for cross-disciplinary research

### Knowledge for sound decision making



Data and service-based knowledge facilitated by C-SCALE will help to monitor and mitigate climate change and improve the quality of life for citizens of Europe and around the world

## Become C-SCALE provider and onboard your services onto our federation.

Enable your e-infrastructure to run Copernicus data analytics. Empower researchers to provide knowledge for climate change-informed decision making.

### Who

E-infrastructure service providers (cloud, HTC/HPC, data providers), either from the public or private sector

### Why

- Connect your e-infrastructure to the European Open Science Cloud
- Catalyze cutting-edge research in Earth Observation
- Reach new user communities from the European Research sector

### What

- A compute and data federation combining resources from ESA's Collaborative Ground Segment, Copernicus Data and Information Access Services and the European Open Science Cloud.
- 12 PB months of storage
- 18 million Cloud CPU hours
- 3.1 million HPC/HTC CPU hours
- 6,000 GPU hours

### How

Visit <https://c-scale.eu/call-for-use-cases/>