OSCARS project

Open Science Clusters' Action for Research and Society

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OSCARS Project

Fostering the uptake of Open Science in Europe

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In response to the EU call on EOSC
HORIZON-INFRA-2023-EOSC-01-01

- Building on the **science cluster approach**
- to ensure the **uptake of EOSC by research communities**

Partners

- Coordinator: **CNRS** LAPP
- **15** partners, **3** representing each community

Budget and timeline

- Starting date: **2024-01-01**
- Duration: **4 years**
- EC funding: **25 M€** (100%)

Science clusters fostering the uptake of Open Science in Europe

OSCARS' Objectives

A) consolidating achievements from the five H2020 INFRA-EOSC-2018-01-04 projects into **lasting interdisciplinary services and working practices** towards:

- More cohesion;
- Leveraging **cross-domain approach** and **cooperation with e-infrastructures**;
- **Cross-fertilization** for shared solutions of key services for researchers in all domains;
- Cooperating and supporting the **EOSC partnership**.

(B) Leading and fostering the involvement of a broad range of research communities in EOSC via the development of new **Open Science projects** to drive the uptake of FAIR-data-intensive research throughout the ERA by:

- Contributing to a **data space for science, research and innovation**, integrated into the other data spaces described in the European Strategy for Data.
- Pursuing the creation of **pan-European research-enabling value-added services**;
- Fostering the **coordination** of national activities, European RIs and the scientific community at large, including the long tail of science;
- Fostering **interdisciplinarity** for achieving challenging new science pathways.

EXPECTED RESULTS

- **Open Science practice**: increased scientific impacts via the support of Open Science projects;
- An **established inter-cluster web-based "scientific social network"** in Europe. Training, mentoring, cross-disciplinary events and cross-cluster developments.
- **Community-based Competence Centres**, contributing to the sustainability of the Science Cluster actions, fostering their impacts, supporting and aligning operations of ESFRI and other RIs and involving the long tail of science.
- **Composable Open Data and Analysis Services (CODAS)** onboarded into the EOSC Exchange platform, fostering the alignments of practices in scientific data analysis and enhancing researchers' participation in Open Science.

EXPECTED OUTCOMES

- **Operational Competence Centres**
- Uptake of **web-based highly composable platforms for Open Science data analysis**;
- **Stronger involvement of scientific communities in Open Science** and the shaping of EOSC;
- Enhancing and further structuring of the successful **cross-fertilization** work built by the Science Clusters;
- **Economy of scale** of (cross-cluster) services;
- Enable a **largely participative research ecosystem**, promoting provenance tracking to research outputs and contributing to the evolution of research assessment methodologies.

OSCARS project – OPEN CALLS

18 / 25 M€

GOAL:
Build on the science cluster approach to ensure the uptake of EOSC, i.e., consolidate FAIR services of the five Science Clusters and, more broadly, perform excellent science and pursue societal benefits by leveraging an Open Research approach.

TARGET USER COMMUNITIES:
Science Clusters and wider community (RIs, Universities, Institutes, consortia, individual researchers)

Submission process

- Opens: ~ **March 2024 / Nov. 2024**
- 10 pages max
- Submission within **60 days**
- Project start: **Sept-Dec. 2024 / Aug-Oct. 2025**

Limits

- Budget: **100 - 250 k€** / project
- Duration: **1 - 2 years**

Evaluation criteria for the independent expert panel

- Project description: clear objectives, towards **FAIR** and **open**
- Scientific impacts: **multiple RIs** / **cross-cluster**
- Digital resources: use of **EOSC** services / new **EOSC** service
- Implementation: **realistic** within budget

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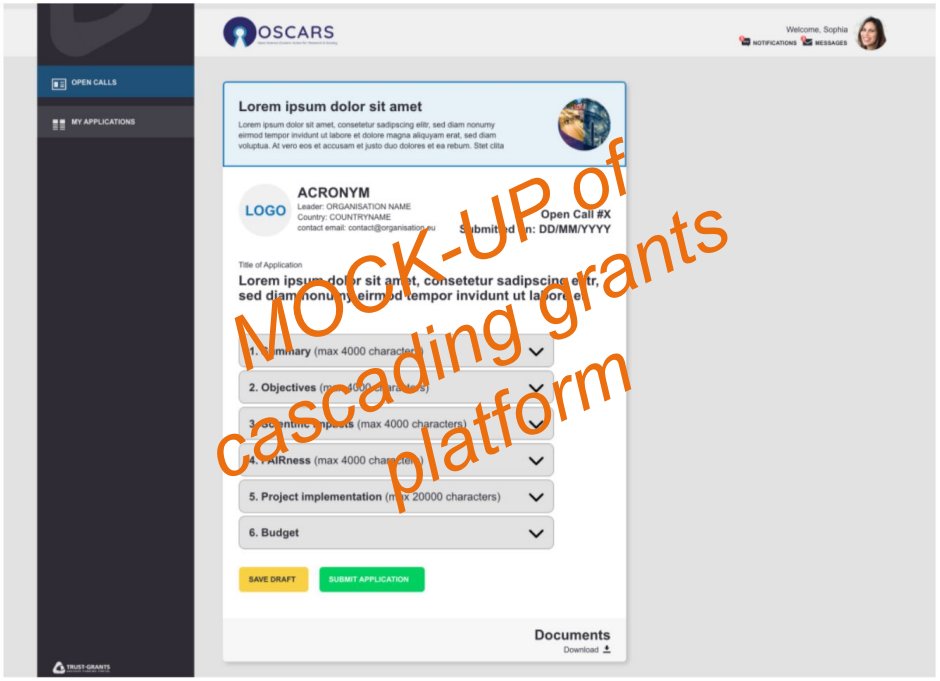
OPEN CALLS – Proposals' guidelines

- 10 pages max
- Language: English

Proposals' structure

- Proposal Title and Acronym
- Open Science/Data FAIRNESS challenge(s)
- Domain
- Consortium composition
- Financial support and duration
- Summary
- Project description
- Scientific impacts
- Digital resources
- Project Implementation, Budget Breakdown and Final Deliverables



Deliverables for public dissemination:

- A final project summary in PDF format of maximum 5000 characters, including spaces.
- A presentation
- A "scientific journal or journal-type" article summarising the main project results and methodology used to achieve them.

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Example of open call project

PaN container registry for VISA

- Idea coming from the VISA collaboration
- Extend the PaN software catalogue to a container registry, hosting the containers to be published in VISA
- Same base offer for users across facilities using VISA
- Publish workflows in https://workflowhub.eu/ or a PaN fork