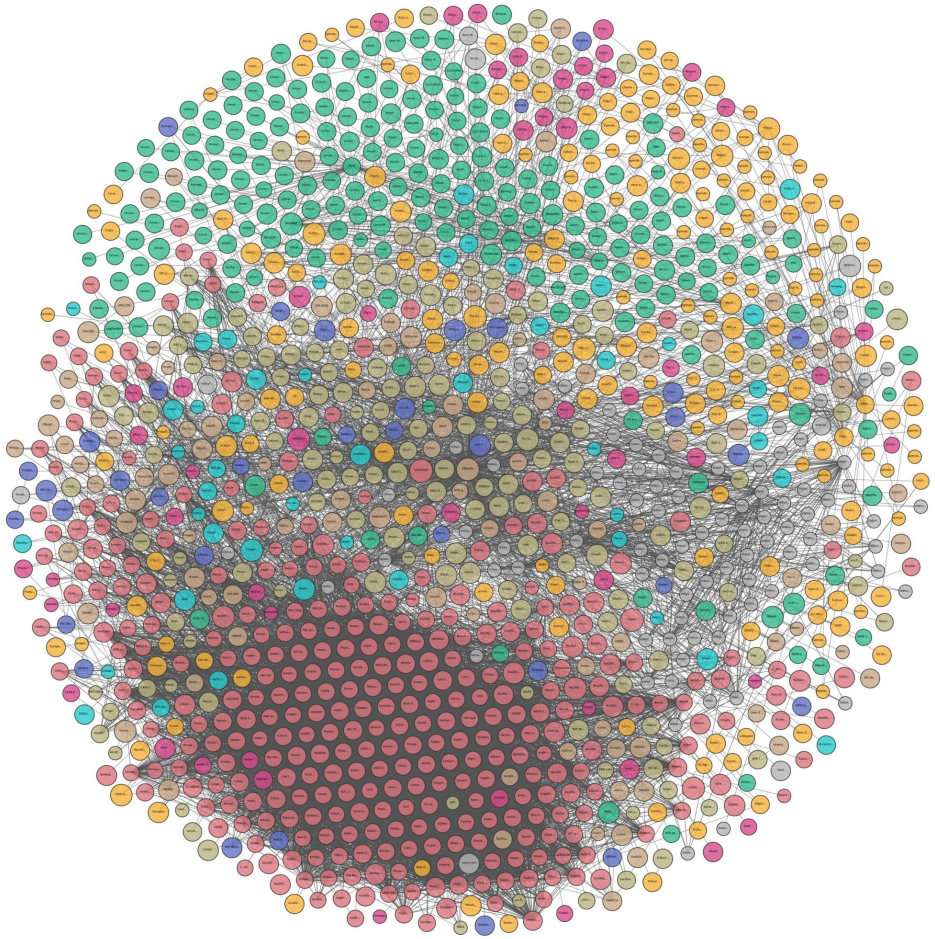
Clusters Competence Centers (and Terminology on CCC)

EOSC Symposium -
Skills4 EOSC - OSCARS Unconference 22/10/24

Semantic web



Berners-Lee, Tim, James Hendler, and Ora Lassila. 2001. “The Semantic Web.” Scientific American, May 2001. https://doi.org/10.1038/scientificamerican0501-34

Why terminology is a Key

Invest 5% of research funds in ensuring data are reusable

It is irresponsible to support research but not data stewardship, says Barend Mons.

Nature 578, 491 (2020)
doi: 10.1038/d41586-020-00505-7

*The ambition of the European Open Science Cloud, known as EOSC, is to develop a ‘**Web of FAIR Data and Services**’ for science in Europe. The implementation of EOSC is based on a long-term process of alignment and coordination pursued by the Commission since 2015.*

OSCARS

Open Science Clusters' Action for Research & Society

OSCARS

Setup and implementation of

Clusters' Open Science Competence Centres (CLOCCs)

Community-based virtual hubs dedicated to fostering research excellence through training and knowledge transfer, and providing expertise, best practices and services in relation to Open Science.

Identify and provide

Composable Open Data and Analysis Services (CODAS)

accessible via

Virtual Research Environments (VREs)

€ 16 MILLIONS

IN OPEN CALLS FOR OPEN SCIENCE PROJECTS AND SERVICES

Contribute to a

Data space for science, research and innovation

Pursuing the creation of Pan-European research-enabling value-added services

OSCARS

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Fostering the uptake of Open Science in Europe

OSCARS is a four-year Horizon Europe project that will foster the uptake of Open Science in Europe by consolidating the achievements of world-class European RIs in the ESFRI roadmap and beyond into lasting interdisciplinary FAIR data services and working practices.

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

Building on the **Science Cluster approach** (since 2019)

Coordinator: **CNRS**-LAPP

15 partners, **2-3** representing each Science Cluster

Duration: **4 years (Jan 2024 – Dec 2027)**

EC funding: **25 M€**

OSCARS will strengthen the role of the Science Clusters (SCs) in the European Research Area (ERA) by developing **Community-based Competence Centres (CCCs)** and **Composable Open Data and Analysis Services (CODAS)**, and by fostering the implementation of **Open Science projects and services** funded through a cascading-grant mechanism.

Led by: SCIENCE-CLUSTERS.eu Research Infrastructures for Open Science

eosc

OSCARS Terminologies activities

About the perimeter of terminologies

Identifying and discussing key issues

Organise steps and tasks

for improving terminology in data (and quality of data) management

Present existing crosswalk experiences (and semantics models?)

Possible models of governance for crosswalk

- Explore governance models terminology crosswalk when necessary within EOSC / outside of EOSC
- Discuss how the OSCARS can integrate or mentor projects in terminology governance

Paper discussion

RDA session: [RDA P23 session - Terminology for data management]
Paper with radical collaboration

Vocabulary issues

Priority for terms

- Composability
- Services
- Service types
- VRE
- Services contexts
- Other dimensions to describe services
- Data sources
- Skills / competencies

\+ Cluster + EOSC Nodes?

Digital objects

- Catalogues (of services / ressources / others)
- Training material
- Publications
- Datasets
- Semantic artefacts
- Workflows
- Software

https://wiki.eoscfuture.eu/display/PUBLIC/B.+v4.00+EOSC+Resource+Profile#B.v4.00EOSCResourceProfile-ResourceCategory

- EOSC Service / OS Trails (Daan Broeder) profile / Skills4EOSC ontology to be reused (and?)
- EOSC Beyond project : Paul will find the categories
  - -> possible to (propose to) improve it
- Survey for categorisation of services (have it, wish it, provided by other, don't need) in each cluster
- What else?

OSCARS
Open Science Clusters' Action for Research & Society

1st OSCARS Open Call Selected Projects Statistics

58 Projects Selected

(Pending contract signature)

Organisations

50 Academia and Research
3 SMEs
1 Large Company
4 Others

38 from the domains in the 5 Science Clusters
(astronomy & particle physics, environmental sciences, life sciences, photon & neutron science, social sciences & humanities)

17 Cross-domain

3 Beyond the domains of the SCs

19 Countries represented

264 Proposals submitted

22% Success rate


OSCARS
Thank you