JÜLICH
Forschungszentrum

Beitrag ID: **124** Typ: **Poster**

OSCARS: Taking science research to the next level

Dienstag, 17. September 2024 22:40 (20 Minuten)

Open Science Clusters'Action for Research and Society (OSCARS) is a EU-funded project that will bring your research data to new audiences and target new use-cases. FAIR (Findable, Accessible, Interoperable, Reusable) data allows research data to be used in new and novel ways, with increased citations acknowledging the original researchers and facilities that provided that data.

OSCARS covers a broad range of science activities, including Humanities and Social Sciences, Life Sciences, Environmental Sciences, Astronomy, and Neutron and Photon Science. This allows adoption and tailoring of existing services to match photon science needs.

OSCARS builds on the EOSC (European Open-Science Cloud) science clusters' outcomes to support open science, by enhancing communication between these clusters (WP1), improving the outcomes of the clusters' software and services (WP2), connecting EOSC funded activities and projects (WP3) and providing direct funding for open science projects (WP4).

WP1 will establish a specific domain-orientated community-based competence centre for the science clusters' facilities. These competence centres will focus on the community's specific achievements and skills, addressing their scientific needs. This will encourage and strengthen intra-cluster collaboration, the sharing of best practices, services and strategy development.

WP2 takes a catalogue of existing services, data hubs and analysis platforms of varying maturity and will identify how they might be composed, possibly when enhanced, to provide broader support for scientific investigation. This might involve services and software from different science clusters, breaking down barriers that prevent cross-domain research and allowing new research. OSCARS will enhance specific tools to show the benefits to researchers.

WP3 will build connections between OSCARS and other EOSC projects, task forces and related work. This ensures OSCARS benefits from existing work, aligns OSCARS activity with effort elsewhere, and increases the uptake of OSCARS outcomes. WP3 will also establish testing methodology to drive up the quality of the project's outcomes.

WP4 oversees a funding programme, split into two rounds. Each call will be open for two months and will accept a wide range of proposals that target open science and the FAIR data environment. At the time of SRI 2024, the first call will have closed; however, the second call will open in November 2024. Successful proposals will be funded for 1–2 years, with a budget of 100–250 k€.

Here, we will present the strategy within OSCARS and provide the anticipated impact within the photon science community, as core members of the Photon and Neutron Open Science Cloud (PaNOSC).

Hauptautor: NENTWICH, Melanie (DESY)

Co-Autoren: Dr. GÖTZ, Andy (ESRF); Dr. WAGH, Jayesh (ESRF); Dr. BODERA, Jordi (ESRF); Dr. CARBONI, Nicoletta (CERIC-ERIC); Dr. FUHRMANN, Patrick (DESY); Dr. MILLAR, Paul (DESY)

Vortragende(r): NENTWICH, Melanie (DESY)

Sitzung Einordnung: Mounting Posters, Beer and light Dinner

Track Klassifizierung: Instrumentation & Data Management