

Reading list: Open Scholarly Communication

It is recommended that documents marked with an * are reviewed by participants before the meeting.

EOSC Association

The EOSC Association is the legal entity established to govern the European Open Science Cloud (EOSC). It was formed on 29th July 2020 with four founding members and has since grown to more than 250 Members and Observers. The Association membership is jointly responsible for delivering the objectives agreed in the Memorandum of Understanding signed by the European Union and EOSC Association to form the official Partnership.

Webpage: <https://eosc.eu/>

Strategic Research and Innovation Agenda (SRIA) of the European Open Science Cloud (EOSC) - Version 1.2 *

The overall purpose of the EOSC Strategic Research and Innovation Agenda, or SRIA, is to define the general framework for future research, development and innovation activities in relation to the European Open Science Cloud. The current version of the SRIA (1.2), including MAR 2025-2027, was approved by the EOSC Partnership Board at their 5th meeting on 06 December 2023.

Link: https://eosc.eu/wp-content/uploads/2023/12/20231114_SRIA_1.2_final2.pdf

EOSC Task Forces

The EOSC Task Forces address key areas in the implementation of the European Open Science Cloud (EOSC), providing feedback on developments, identifying strategic gaps, and suggesting areas for investment.

Webpage: <https://eosc.eu/eosc-task-forces/>

List of EOSC-related Projects (Horizon Europe Projects)

This list includes European projects that support the implementation and development of the EOSC.

Link: <https://eosc.eu/horizon-europe-projects/>

Task Force: Upskilling Countries to Engage in EOSC

The Upskilling countries to engage in EOSC Task Force is mainly focused on developments in Open Science education being addressed at Member State level within research performing organizations. The task force will assist in aligning skills initiatives and supporting the onboarding of these into EOSC. Without education in Open Science skills, it would be harder for researchers to live up to the necessary transformation of their working life.

Webpage: <https://eosc.eu/advisory-groups/upskilling-countries-engage-eosc>

CRAFT-OA (project)

CRAFT-OA project aims to create a resilient landscape, a robust pan-European network of infrastructures that will take into account local capacities, and leverage existing systems, while providing upper-level expertise to enable upscaling, professionalization and consortial momentum. Instead of recreating new platforms, the aim is to strengthen existing ones by



central expertise, collaboration and a joint visibility/indexing layer. CRAFT-OA will deliver technical and community tools, training events, training materials, information, and services for the Diamond OA institutional publishing environment. It will foster communities of practice with the capacity to sustain the project improvements over time.

Webpage: <https://www.craft-oa.eu/>

A Discovery Hub for Diamond Open Access publishing. *

In this paper we describe the context and architecture of the Diamond Discovery Hub that will be released by the project to increase visibility, discoverability and recognition of Diamond OA institutional publishers and their content. The Diamond Discovery Hub will facilitate the integration with the wider scholarly communication ecosystem and the European Open Science Cloud to enlarge visibility, discoverability and reach of open access publications as part of the emerging Open Science paradigm.

Link: <https://ceur-ws.org/Vol-3365/short12.pdf>

CRAFT-OA Deliverable 3.1 Report on Standards for Best Publishing Practices and Basic Technical Requirements in the Light of FAIR Principles *

Associated projects Developing Institutional Open Access Publishing Models to Advance Scholarly Communication (DIAMAS) and CRAFT-OA embody the action to support institutional Diamond OA publishing. While DIAMAS focusses on developing non-technical standards and best practices, CRAFT-OA specifically targets the OADJ technology development. CRAFT-OA's Work Package 3 (WP3) is responsible for Task 3.1 providing a technical standards' and best publishing practices overview, Task 3.2 preparing a gap analysis to understand the challenges that OADJ's face when aiming to comply with the standards and best practices and with/in Task 3.3 offering targeted training to narrow this gap.

This deliverable is related to the Task 3.1 and offers an overview of the technical standards and best publishing practices which is intended to be reused by the community and also to guide the gap analysis and training to be offered through WP3.

Link: <https://zenodo.org/records/8112662>

CRAFT-OA Flyer & Fact Sheet *

CRAFT-OA in a nutshell – have a look at our project flyer and fact sheet!

Link: <https://www.craft-oa.eu/wp-content/uploads/2023/11/CRAFT-OA-Flyer.pdf>

Link: <https://www.craft-oa.eu/wp-content/uploads/2023/11/CRAFT-OA-Fact-Sheet.pdf>

CRAFT-OA Short policy Brief

CRAFT-OA findings of the first year including recommendations around policies and funding

Link: <https://zenodo.org/records/10497419>

CRAFT-OA Press kit *

CRAFT-OA has released the project's Communication Kit! Furthermore, all variations of the project logo are available for download.

Link: <https://www.craft-oa.eu/press-kit/>

OSTrails (project)

OSTrails is a project designed to enhance the planning, tracking, and assessing of scientific knowledge production. It focuses on transforming Data Management Plans into dynamic, "machine actionable" resources, developing an ecosystem of enriched Scientific Knowledge



Graphs to evidence FAIR (Findable, Accessible, Interoperable, Reusable) implementations, and creating modular FAIR tests with actionable metrics. Known as the OStrails Commons, this initiative combines methods, tools, services, and training to assist researchers, research support personnel, and organizations in implementing FAIR principles throughout the research lifecycle. The project, supported by a consortium of 38 partners and starting in February 2024, acknowledges the diverse needs across different national and thematic infrastructures, emphasizing tailored solutions for streamlining FAIR.

Webpage:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/org-details/943112571/project/101130187/program/43108390/details>

SciLake (project)

SciLake's mission is to build upon the OpenAIRE ecosystem and EOSC services to (a) facilitate and empower the creation, interlinking and maintenance of SKGs and the execution of data science and graph mining queries on top of them, (b) contribute to the democratization of scholarly content and the related added value services implementing a community-driven management approach, and (c) offer advanced, AI-assisted services that exploit customized perspectives of scientific merit to assist the navigation of the vast scientific knowledge space.

Webpage: <https://scilake.eu/>

SciLake Deliverable 1.1 Initial service requirements *

This document reports on the initial requirements for the services to be delivered by the SciLake project, taking into consideration the results of an initial investigation on the special needs of the SciLake pilot communities (Neuroscience, Cancer research, Transportation, and Energy). It also presents initial ideas on the use cases to be demonstrated by each pilot and possible key performance indicators that can be used to evaluate the effectiveness of the SciLake services in helping researchers in the context of these use cases.

Link: <https://zenodo.org/records/8403180>

Survey Results: Insights into the Potential of Scientific Knowledge Graphs *

Scientific Knowledge Graphs (SKGs) have been gaining attention in the research community for their ability to convert data into knowledge. To understand the perspectives and expectations surrounding SKGs, an online survey was conducted during the Open Science Knowledge Graph workshop held during the OSFAIR 2023.

Link:

<https://scilake.eu/survey-results-insights-into-the-potential-of-scientific-knowledge-graphs?highlight=WyJrbm93bGVkZ2UiLCJncmFwaCJd>

Background reading material

A list of materials not produced by the programme committee parties but of importance to the EOSC Winter School track OA2: Open Scholarly Communication.

Open and Equitable Scholarly Communications

The Association of College & Research Libraries (ACRL) has resources dedicated to promoting open, inclusive, and equitable systems of scholarship. This includes a focus on addressing the challenges of the global digital divide, information inequality, decolonization, democratization, and the politics of technology.



Link: <https://www.ala.org/acrl/publications/booksanddigitalresources/digital/oesc>

Open Access: redrawing the landscape of scholarly communication. An article on **Emerald Insight**

Discusses the uptake of Open Access (OA) in different academic disciplines, highlighting the slower adoption in humanities and social sciences compared to STEM fields. It explores the economic, cultural, social, and technological challenges associated with OA in non-scientific disciplines.

Link: <https://www.emerald.com/insight/content/doi/10.1108/OIR-07-2015-0219/full/html>

Mastering Scholarly Communication – Part 3: Open Access.

Axial ACS highlights the benefits and challenges of open access publishing. Benefits include increased accessibility, retention of rights by researchers, compliance with funding mandates, and improved research assessment. Challenges involve the pressure to publish in prestigious journals, financial burdens, managing open research workflows, and the risks of predatory journals.

Link: <https://axial.acs.org/publishing/open-access>

Common Scholarly Communication Infrastructure Landscape Review

Research Report by Oya Y. Rieger, Roger C. Schonfeld, April 2023

Link: <https://doi.org/10.18665/sr.318775>

