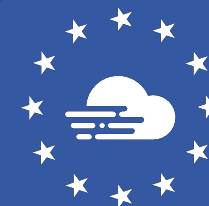


Advisory Group on Technical Challenges on **EOSC**

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Board of Directors EOSC-A

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OS FAIR



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Aims and Objectives of the Technical Challenges AG

- The Task Forces within this Advisory Group focus on implementing the **technical architecture** and **interoperability** in EOSC.
- They also provide a steer on strategic areas of future work, such as **infrastructure** for **sharing quality research software**.
- It will address the following **Operational Objectives** of the SRIA:
 - OO1 Deliver and operate all the necessary components of the MVE to **share openly** research data, publications, **software**, tools and services (by 2025);
 - OO5 Provide the **technical components** of a FAIR ecosystem for uptake and customisation by the communities by 2023;
 - OO7 Co-develop a first generation of a robust pan-European **network of infrastructures for software source code** by 2025;
 - OO10 Deploy and operate an **authentication and authorisation infrastructure** (AAI) framework to manage user identity and access by 2024.

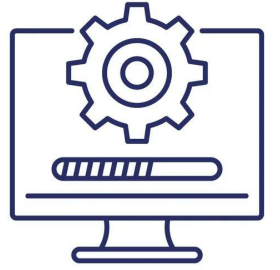


Outline of the AAI Architecture Task Force



- To deliver a consistent architecture for Authentication, Authorization and Access Control for the EOSC
 - Built upon SRIA and the previous EOSC AAI TF outcomes.
- Outputs
 - Develop the next version of the EOSC AAI Architecture.
 - Engage with stakeholders to identify new use cases and requirements .
 - Analyse governance models for the EOSC AAI.

Outline of the Infrastructures for Quality Research Software Task Force



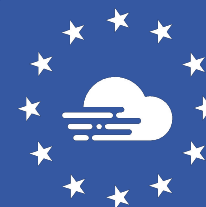
- To foster the development and deployment of tools and services that allow researchers to properly archive, reference, describe with proper metadata, share and reuse research software
- To Improve their quality, both from the technical and organizational point of view.
- Outputs
 - Actively engaging with scholarly infrastructure providers for research SW, leveraging in particular EOSC related projects and funding.
 - Explore tools, standards and platforms used in state-of-the-art SW development and for quality control and formulate actionable recommendations.
 - Identify standard-based best practices to write quality research software and identify both, qualitative and quantitative methodologies to provide unbiased measurement of quality.

Outline of the Technical Interoperability of Data and Services Task Force



- The Task Force will take the **EOSC Interoperability Framework (EIF)** recommendations around technical architecture as their starting point to help develop the **EOSC Core** and **Exchange** as described in the SRIA.
- The outputs expected are:
 - A **first principles** document and a **landscape overview** of the EIF.
 - A **technical architecture description** of the EIF, including **examples** of adaptation hints for major existing solutions.

Thanks



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