

The role of EOSC and trustworthy repositories in ensuring data sovereignty, inclusivity, trust and transparency in FAIR access to research outputs

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Abstract

The European Open Science Cloud (EOSC) stands at the intersection of Europe's strategic priorities, offering solutions to critical challenges in research, innovation, and societal development. This keynote will explore how EOSC and trustworthy repositories contribute to ensuring data sovereignty, inclusivity, trust, and transparency in FAIR (Findable, Accessible, Interoperable, and Reusable) access to research outputs, fostering a more equitable and efficient scientific community.

Europe has been at the forefront of advocating for data sovereignty, emphasizing the need for robust legal frameworks to protect data. This has become increasingly relevant with the rise of artificial intelligence (AI) and Big Tech companies pushing for broader interpretations of "fair use" to train their AI models on vast datasets, often without explicit consent from data owners.

The presentation will address the role of trustworthy repositories in upholding data sovereignty by ensuring integrity and security of data, making it accessible and reusable while adhering to legal and ethical standards. This is particularly important in the context of trustworthy AI, where high-quality, reliable data is essential for training accurate and trustworthy models.

In conclusion, the integration of data from trustworthy repositories into the EOSC Federation and the creation of a European Knowledge Commons - a digital platform and related policies providing access to publicly funded research, digital research outputs, data, publications, and educational resources that empower researchers, citizens, and businesses alike - is essential for achieving data sovereignty, inclusivity, trust, and transparency in FAIR access to research outputs. This keynote will delve into the strategies, status and benefits of this integration, highlighting its significance for the future of research in Europe.

Keywords

EOSC, EOSC Federation, trustworthy repositories, FAIR, data sovereignty