∞eosc

EOSC: Empowering Europe's trusted, secure and sovereign research data ecosystem

Seven reasons why EOSC should be a Partnership in FP 10

The European Open Science Cloud (EOSC) is a major initiative of the EU's research and digital agendas that aims to transform Europe's research data ecosystem towards a trusted, secure and sovereign common space of high-quality, FAIR research data and related services. However, at a moment when Europe's competitiveness and values, digital sovereignty, and strategic autonomy are under unprecedented pressure, EOSC becomes far more than a research instrument: it becomes a strategic priority for the Union to build a resilient, productive and sovereign knowledge economy.

EOSC to safeguard European data sovereignty

EOSC ensures **long-term, secure, and trustworthy access** to research data in compliance with EU regulations.

EOSC to foster European leadership in AI

By unlocking large, diverse, machine-actionable FAIR datasets, EOSC directly **supports AI development and reduces data scarcity**. It also ensures interoperability, provenance, and reproducibility, which mitigate "black box" risks and enable responsible AI.

EOSC to increase security in research & data management

EOSC **safeguards sensitive resources** while enabling scientific innovation and fostering cross-border, cross-disciplinary collaboration.

EOSC to establish the EU Single Market for knowledge

EOSC plays a central role in removing barriers within the European Single Market for knowledge by **enabling seamless sharing and reuse of research data** across countries, disciplines, and infrastructures.

EOSC to enhance Europe's global scientific competitiveness

By standardising data sharing protocols and **ensuring interoperability across disciplines and borders**, EOSC facilitates the interdisciplinary collaboration required to address complex global challenges such as climate change, health, etc.

EOSC to boost European data economy

EOSC enhances Europe's productivity by transforming fragmented assets into interoperable, high-value capabilities, reducing costly duplication of efforts and **maximising the return on public investments**.

EOSC to empower European values

By providing open access to FAIR datasets, EOSC empowers researchers, educators, and innovators from all regions to engage in cutting-edge scientific work, **democratising access to research resources** across Europe.

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