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EOSC Beyond: enhancing EOSC Core capabilities and piloting EOSC Nodes

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The ambition of EOSC Beyond is to support the growth of the European Open Science Cloud (EOSC) in terms of integrated providers and active users by providing new EOSC Core technical solutions that allow developers of scientific application environments to easily compose a diverse portfolio of EOSC Resources, offering them as integrated capabilities to researchers.

EOSC Beyond introduces a novel concept of EOSC, establishing a federated network of **pilot Nodes** operating at various levels (national, regional, international, and thematic) to cater to specific scientific missions. Key objectives include accelerating the development of scientific applications, enabling Open Science through dynamic resource deployment, fostering innovation with testing environments, and aligning EOSC architecture with European data spaces.

The project advances EOSC Core through co-design methodologies, collaborating with diverse use cases from national and regional initiatives (e-Infra CZ, NFDI, NI4OS), and thematic research infrastructures (CESSDA, CNB-CSIC, Instruct-ERIC, ENES, LifeWatch, METROFood-RI).

At the heart of the EOSC Beyond project lies the development of new EOSC Core services to further elevate the platform's capabilities: **EOSC Integration Suite**, **EOSC Execution Framework**, **EOSC Core Innovation Sandbox**. EOSC Beyond is also dedicated to enhancing current **EOSC Core services** and framework.

Topic

EOSC Developments and Open Science: EOSC

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