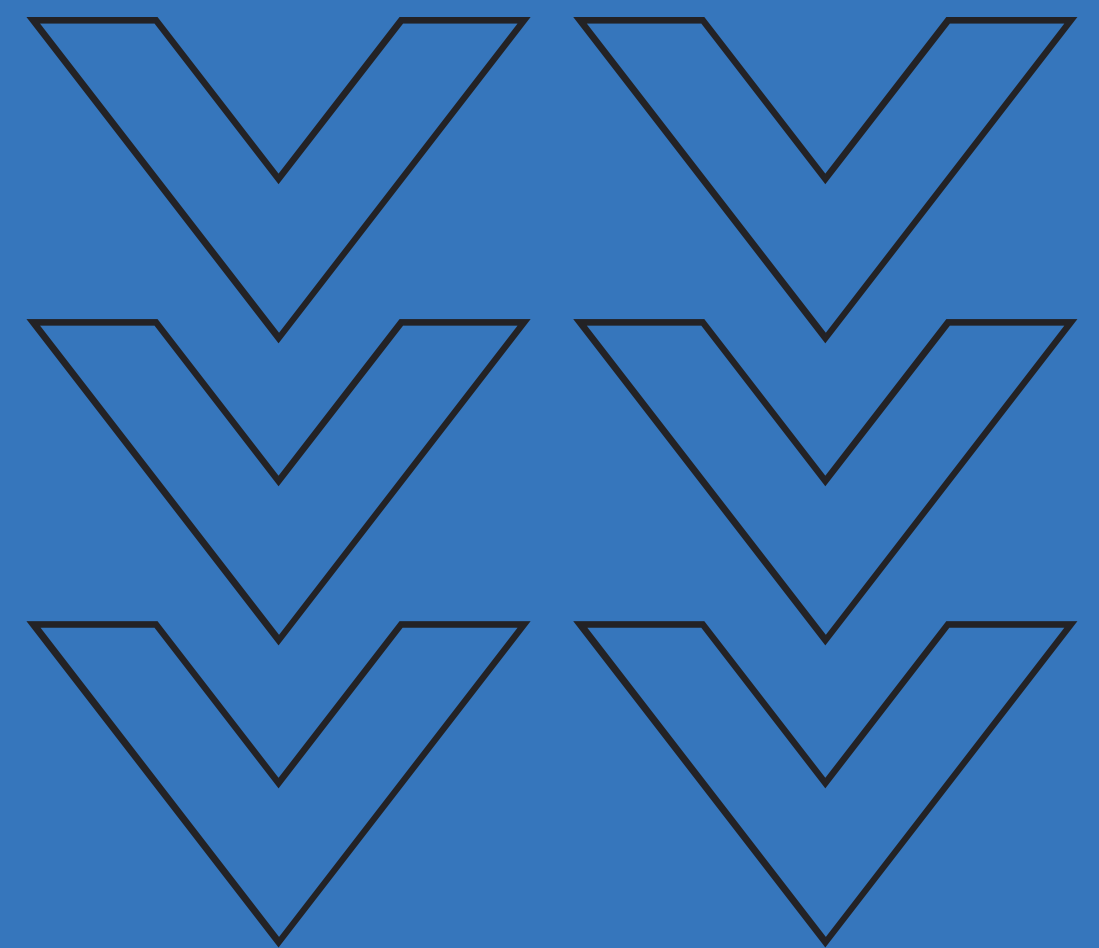# WHY SUPPORT EOSC?

INTRO

Knowledge exchange, digital service and data availability beyond geographical borders and scientific domains still pose challenges, preventing global research from producing maximum outputs.

EOSC comes to solve these issues by providing a trusted, integrated virtual environment with seamless access to data and interoperable services enabling millions of scientists to access, store, manage, analyze, share and reuse research data across borders and scientific disciplines. EOSC is expected to serve approximately 2 million researchers in Europe and progressively expand its user base to include the wider public sector and the private sector.
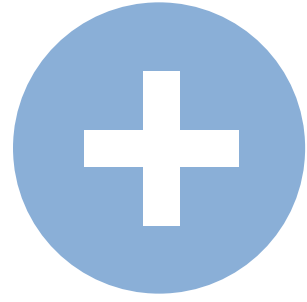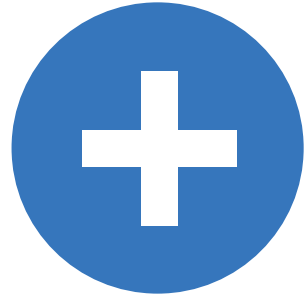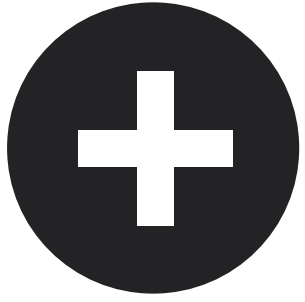
Over the last decade or so, there have been significant investments across Europe in data-oriented research infrastructures and e-Infrastructures. The outcome is a vast quantity of infrastructure services of various scales and scopes, centralized or distributed, being generic, domain-specific or cross-disciplinary. The challenge for the EOSC is to interface to this large variety of platforms on the subdomain, domain and interdisciplinary levels and to deliver to the European researchers an inclusive and trusted environment for data and services.

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RESEARCH BENEFITS

EOSC makes easier the sharing and re-use research data, which increases quality and reliability of science and productivity of researchers.

The federation of infrastructures and interlinking of data sets stimulate collaboration between institutions and researchers-not only across research projects-but also across professional sectors and countries.

Access to a pool of European data sets and services.
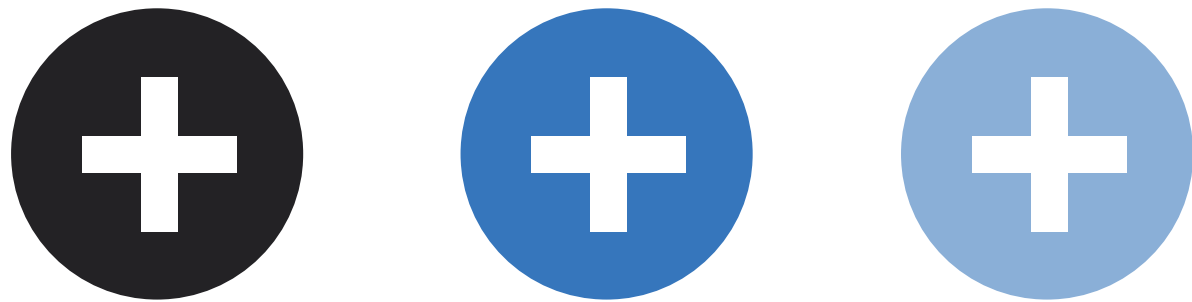
EUROPEAN OPEN SCIENCE CLOUD

Through this access, EOSC will:
- allow institutions and researchers, with insufficient resources, to draw from this pool of data and services, compensate for national gaps, and develop their research.
- facilitate and widen the opportunities of researchers for collaboration, and will enable them to start new research activities. EOSC could catalyse widespread adoption of hyper-scale cloud computing by European science.

The availability of computing and storage resources should no longer be a bottleneck.
Sharing research results through a pan European platform increases visibility and impact
Familiarity with EOSC increases opportunities for funding through Horizon Europe

WHY SUPPORT EOSC?

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Europe

Being a mandated organization in the EOSC Association allows for expressing views and needs of your national research ecosystem.
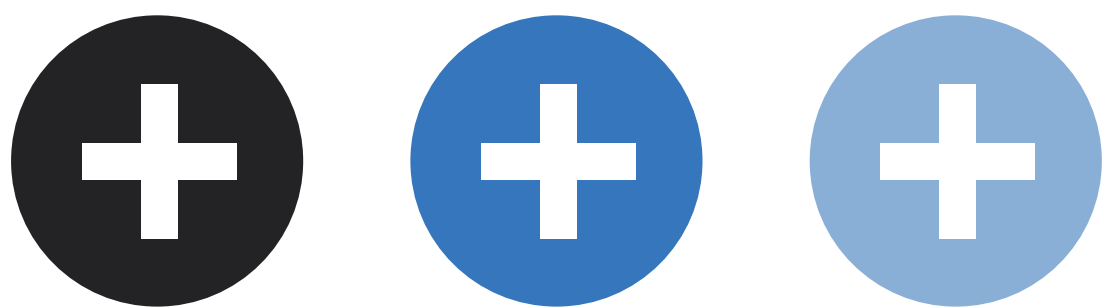
National representatives will have the opportunity to co-shape the overall strategic agenda for research EU, which is a de facto reality for all, independently whether they participate in EOSC or not.

POLICY BENEFITS

EOSC connects to stakeholders from other regions of Europe and thereby facilitates the sharing of knowledge and experiences. Countries that are already advanced in FAIR data and Open Science policies can share their best practices and lead in developing EOSC.

An integrated environment as EOSC supports decentralization and regional growth.

Enables Open Innovation and helps Europe to capitalize socially and economically on research and innovation results by bringing more actors and investments into the research and innovation process.

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National representatives will have the opportunity to co-shape the SRIA, which will be the basis for developing the priorities for the next EC work programme Horizon Europe (2021-2027). Researchers will have easier access to Horizon Europe funding (being part of the developments, collaborating in consortia, etc.) Increases productivity of science and improves national performance in DESI indicators.

WHY SUPPORT EOSC?

ECONOMIC BENEFITS

The sharing of resources and services creates economies of scale.

Federating existing research services and data infrastructures, EOSC will leverage national investments and add value in terms of scale, interdisciplinarity and faster innovation.

By putting cutting edge computing and data management resources at the fingertips of researchers, EOSC could bring about a step change in productivity.
Availability of computing resources and data should not be a bottleneck for developing and offering commercial products

Through the EOSC infrastructure governments can offer to the research community of their country access to resources, tools and platforms that would be otherwise not available in the country and their setup would need to be supported by the country.

Researchers and innovators will be able to jointly create innovative new technologies and services, which in turn will lead to the creation of new jobs and markets.

EOSC is equally available to researchers in both the public and private sectors. Using the same platforms and infrastructures to run together experiments minimizes risks and time to market for products, which could ultimately yield major economic benefits.

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