EOSC-A and Importance of National OS Initiatives for EOSC

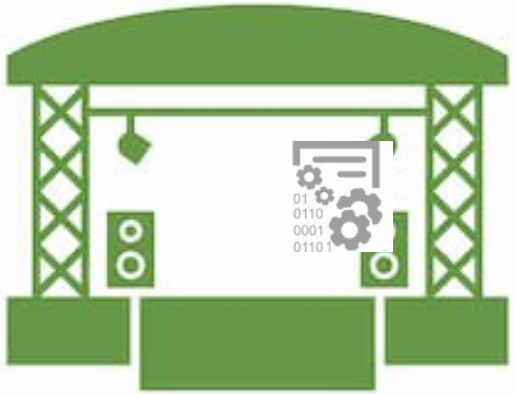
EOSC-Pillar final event - Paris - October 2022

Suzanne Dumouchel, Director of EOSC-A

September 2022 by EOSC-A

“A web of scientific insight”

- Web of FAIR Data and related Services
- Federation of relevant existing and future data sources
- Virtual space where science producers and consumers come together
- An open-ended range of content and services
- Meeting all European data requirements
- In interaction with other regions of the world



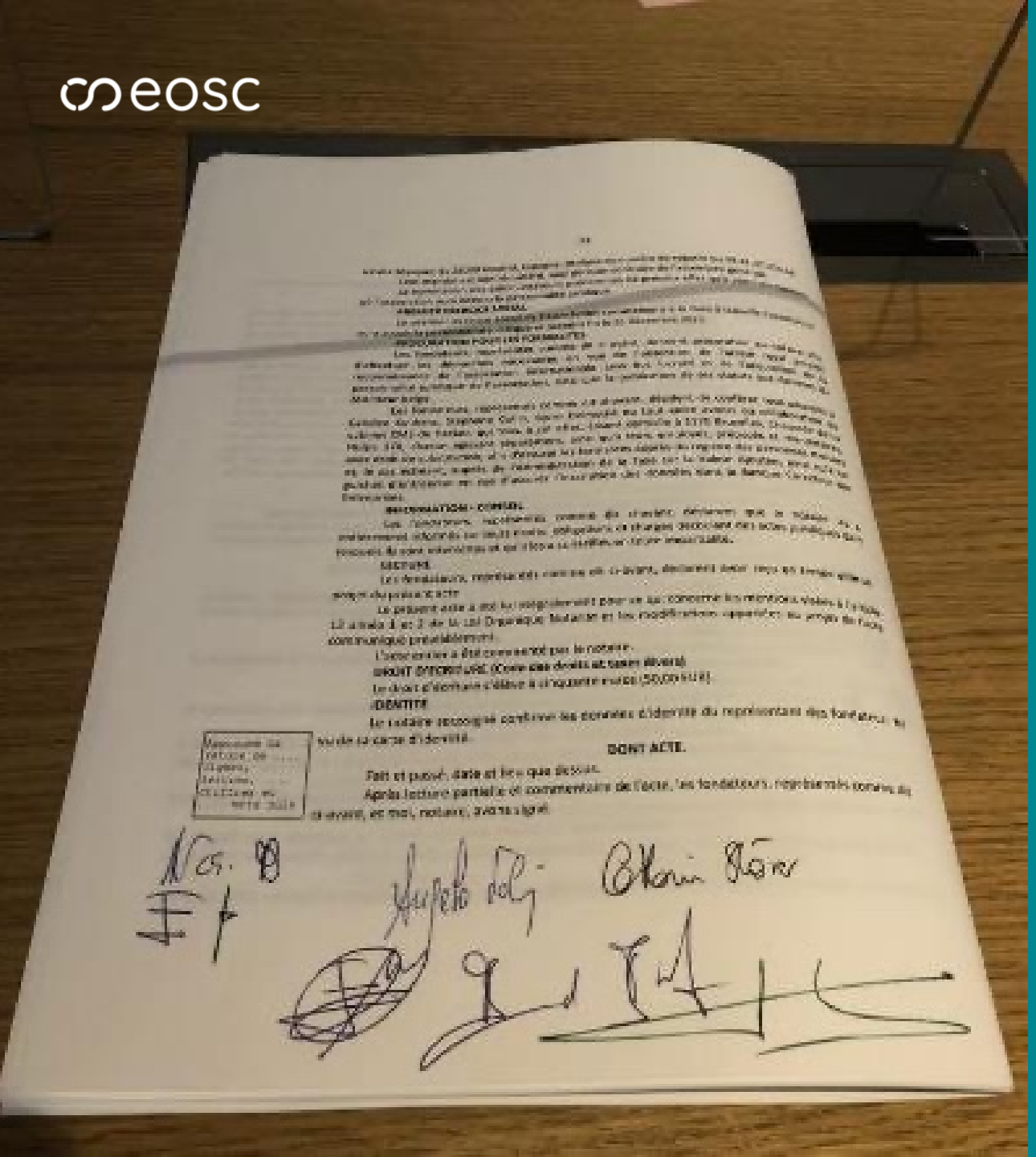
EOSC Association

An Overview

September 2022 by EOSC-A

The EOSC Association Today

General Assembly #4, 24-25 May 2022



The Purpose of EOSC-A

Incorporation, 29 July 2020

(1) to provide a single voice for the advocay and representation of the boarder EOSC stakeholder community,

(2) to promote the alignment of European Union research policy and priorities with activities coordinated by the Association;

(3) to enable seamless access to data through interoperable services that address the entire research data life cycle.

EOSC Partnership

Tripartite Collaboration

EOSC STEERING BOARD

Anna Panagopoulou

European Commission

DG-RTD
DG-CNECT

Volker Beckmann

Member States and Associated Countries

MoU

Partnership Board

MS/AC collective representation

Exchange of information

Tripartite Collaboration

EOSC ASSOCIATION

President
Karel Luyben

Secretary General
Ute Gunsenheimer

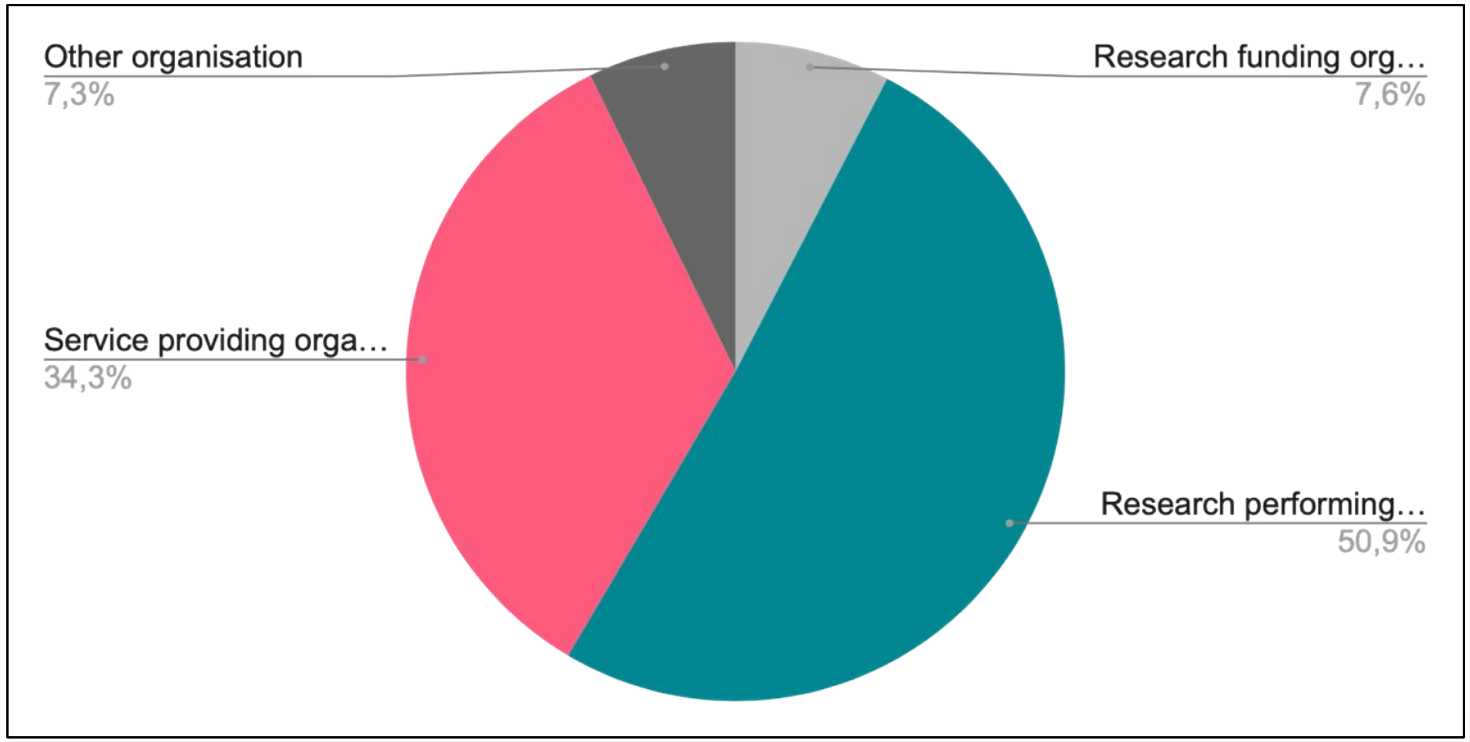
BOARD

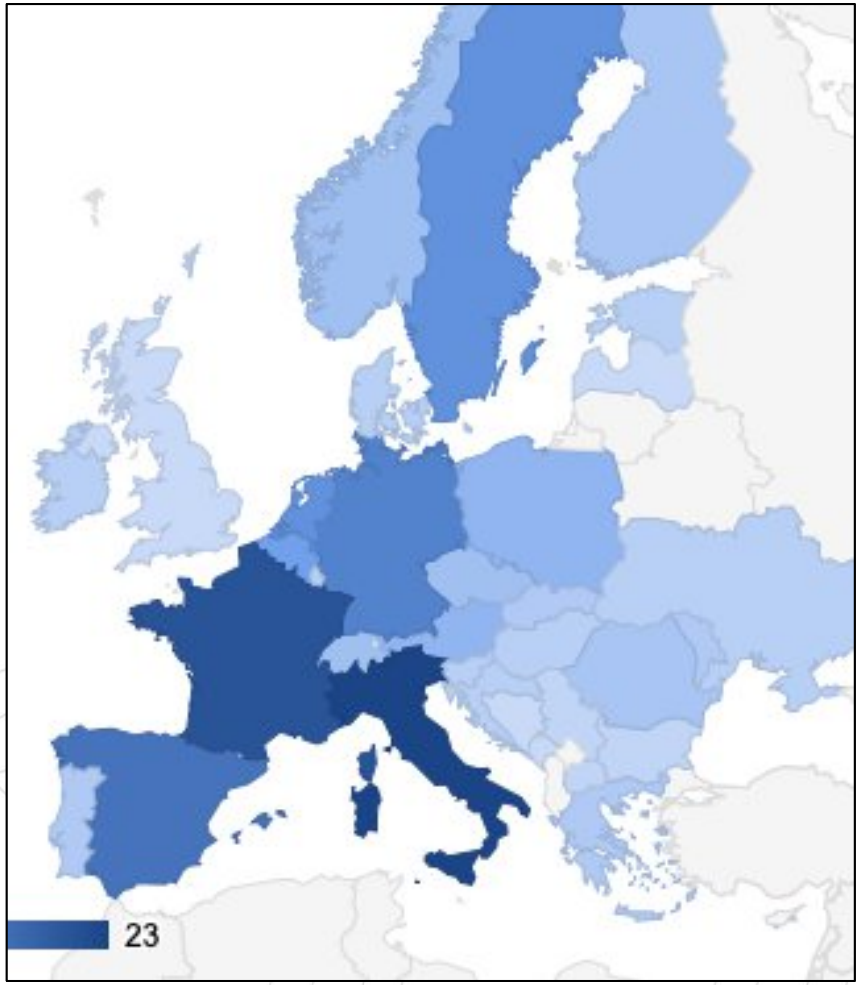
General Assembly

(including organisations performing research, funding research, providing services, organisations mandated by MS/AC and other organisations)

133 Members and 78 Observers

A strong memberbase with 27 Mandated Organisations





The Board of Directors

Nine Independent Individuals

Karel Luyben President, 2021-22	Marialuisa Lavitrano Vice-President, 2021-23	Suzanne Dumouchel 2021-23	Klaus Tochtermann Treasurer, 2021-23	Sarah Jones 2021-22
Ignacio Blanquer 2021-22	Sara Garavelli 2022-24	Bob Jones 2022-24	Wilhelm Widmark 2022/24	

EOSC-A Brain-Pool: 13 Task Forces

Over 400 volunteers

Implementation of EOSC

- Rules of Participation compliance monitoring
- PID policy and implementation
- Researcher engagement and adoption

Technical challenges on EOSC

- Technical interoperability of data and services
- Infrastructure for quality research software
- AAI Architecture

Metadata and data quality

- Semantic interoperability
- FAIR metrics and data quality

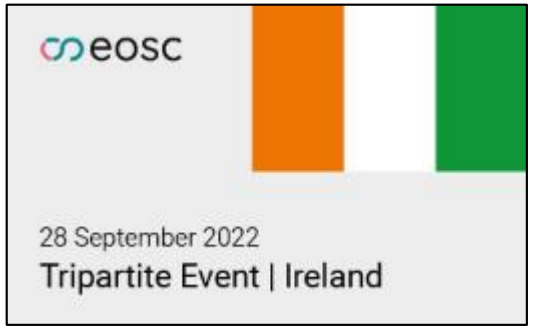
Research careers and curricula

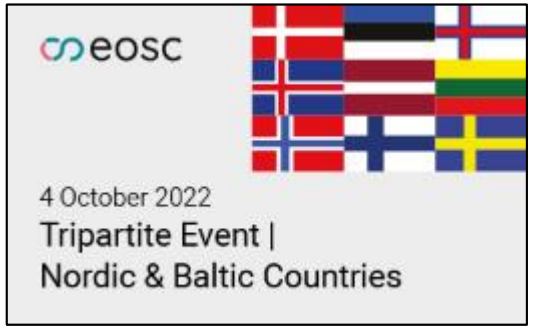
- Data stewardship curricula and career paths
- Research careers, recognition and credit
- Upskilling countries to engage in EOSC

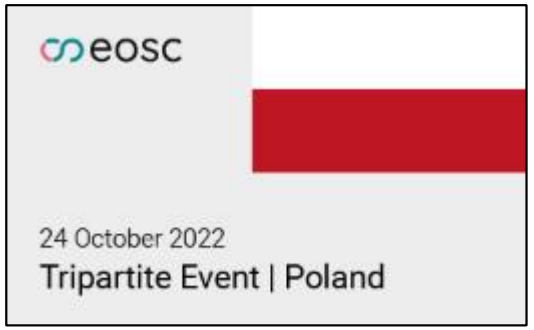
Sustaining EOSC

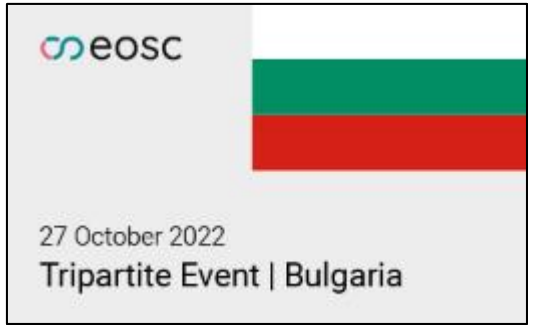
- Financial sustainability
- Long-term data preservation

Tripartite Events









EOSC Forum

Dedicated channel open to everyone to follow information on tripartite events…

Isabel Caetano in National Tripartite Events
8 octobre - 16:10

National Tripartite Event in Greece: bringing togethe the EOSC community

The Greek National Tripartite Event that took place on the 6th of October has been a major gathering of the EOSC "ecosystem" in the country.

The national Open Science community was represented in its various roles: researchers, research funding organisations, research infrastructures, technology advancement and innovation organisations, government officials, etc.

The high-level opening session was dedicated to two out of the three parties of the collaboration, namely the government and the EC. Christos Dimas, Deputy Minister for Research and Technology, and Antonis Stasis, General Director at t...

Read more

Isabel Caetano in National Tripartite Events
4 octobre - 21:59

Nordic&Baltic Countries Tripartite Event: working together to maximize the EOSC impact and to engage national stakeholders

More than 80 participants from 9 countries have attended the tripartite event that took place in Tallin on October 4th.

The introductory talk from Karel Luyben, President of EOSC-A, highlighted the role that countries can play "working together" as examples for others. Thomas Neidenmark, from the European Commission, also stated the importance of the tripartite governance because "we need multiple levels and multiple commitments" to achieve greater impact. Ann Nuutinen, representing the EOSC Steering Board, reinforced the need for strategic coordination and convergence between the EC, Member S...

Read more

5 Comment Share

EOSC Forum and national initiatives

EOSC-A Additional Activities Plan 2023 Survey

1. MoU between the EOSC-A and the EU

- Signed on 30th of July 2021
- Obligations:
  - Monitoring Framework (KPIs)
  - Report on delivery of in-kind contributions and investments to additional activities
  - Provide use cases

EN

Annex 5

Memorandum of Understanding for the Co-programmed European Partnership for the European Open Science Cloud (EOSC)

The European Open Science Cloud Association, representing the partners other than the Union (its constituent entities[1]), the registered offices of which are in Rue du Trône 62, 1050 Bruxelles, hereafter referred to as the "Partners other than the Union", and the European Union, represented by the European Commission, (jointly hereinafter referred to as "the Partners"),

Considering that:

- Parts of Horizon Europe – the Framework Programme for Research and Innovation ('Horizon Europe') [2] – may be implemented through Co-Programmed European Partnerships, on the basis of a Memorandum of Understanding between Partners determined to support the development and implementation of research and innovation activities of strategic importance to enable the Union to address global challenges and maintain its competitiveness in line with EU priorities, including the Sustainable Development Goals;
- The Strategic Plan for Horizon Europe[3] has identified a candidate for a Co-Programmed European Partnership for the European Open Science Cloud (EOSC) considered instrumental to deliver scientific, economic and societal impact in line with the Horizon Europe objectives;
- The proposal received from the Partners other than the Union has been positively assessed by the European Commission in that it fulfils the new ambition and the selection criteria referred to in Article 10 and Annex III of Regulation (EU) 2021/695 of the European Parliament and of the Council[4] ('Horizon Europe');
- The implementation, monitoring and evaluation of the European Partnerships will comply with the criteria referred to in Annex III of Horizon Europe, including an alignment with Horizon Europe monitoring and evaluation provisions, set out in Article 50 and Article 52, as well as Annex V on Key Impact Pathways;
- The multi-annual Strategic Research and Innovation Agenda (SRIA) agreed by the Partners will provide the basis for the development of the co-operation under this

[1] Constituent entities are the members of the Association.
[2] Regulation (EU) 2021/695 of the European Parliament and of the Council of 28 April 2021 establishing Horizon Europe – the Framework Programme for Research and Innovation, laying down its rules for participation and dissemination (OJ L 170, 12.5.2021, p. 1–68.)
[3] https://op.europa.eu/en/web/eu-law-and-publications/publication-detail/-/publication/3c6ffd74-8ac3-11eb-b85c-01aa75ed71a1
[4] OJ L 170, 12.5.2021, p. 1–68.

1. MoU between the EOSC-A and the EU

According to the Memorandum of Understanding (MoU)

the EOSC-A has committed to:

- Deliver a volume of additional activities totalling to €500M over the duration of the EOSC Partnership (until the end of 2030), at a minimum
- Establish every year an ‘Additional Activities Plan’ (AAP)
- Report annually on provided contributions (€).

EOSC-A and Mandated Organisations

- Charter presented at the last GA
- Regular meetings to address common needs or issues
- Engage with MO in the different EOSC-A activities (TFs, WGs, …)

Strategic Research Innovation Agenda (SRIA) & Multi Annual Roadmap (MAR)

- **SRIA** defines the general framework for future research, development and innovation activities in relation to EOSC
- **Multi-annual roadmap** sets priority activities and outcomes for three implementation levels – European, National, Institutional

SRIA and MAR

Strategic Research and Innovation Agenda

Open Science practices and skills are rewarded and taught, becoming the 'new normal'

Standards, tools and services allow researchers to find, access, reuse and combine results

Sustainable and federated infrastructures enable open sharing of scientific results

Multi-annual roadmap sets priority activities and outcomes grouped by three implementation levels – European, National, Institutional

Three phases of MAR

- 2021-2022: development towards a functional federation of infrastructure
- **2023-2024: expansion to production that generates added value**
- 2025-2027: expansion to develop impact from Open Science

Agreed priorities for 2023 - 2024

Technical

- **EOSC-Core creation and onboarding procedures**
- **Interoperability and data search**
- **Data quality**

Involvement

- **Member State engagement**
- **Funding / resourcing models**
- **Skills and the recognition and rewards**

The InfraEOSC-05 Collaboration

EOSC-Nordic's overall objective is to foster and advance the take-up of EOSC at Nordic level by coordinating relevant initiatives taking place in Finland, Sweden, Norway, Denmark, Iceland, Estonia, Latvia and Lithuania; bringing them to bear in the context of the EOSC. The project aims to foster and coordinate all EOSC-relevant initiatives within the Nordic & Baltic countries and exploit synergies to achieve greater harmonisation at policy and service-provisioning level not only across the Nordic and Baltic region, but also with other countries, in compliance with EOSC agreed standards and practices.

EOSC-Pillar gathers representatives of the fast-growing national initiatives for coordinating data infrastructures and services in Austria, Belgium, France, Germany, and Italy, to establish an agile and efficient federation model for open science services covering the full spectrum of European research communities.

EOSC-Synergy will expand the capacity and capabilities of the EOSC by leveraging the experience, effort and resources of national publicly funded digital infrastructures in a coherent way, therefore acting also as an incentive for national resource providers. EOSC-Synergy extends the EOSC coordination to participating countries by harmonising policies and federating relevant national research e-Infrastructures, scientific data and thematic services, bridging the gap between national initiatives and EOSC. The participating countries are: Spain, Portugal, UK, Czech Republic, Slovakia, Poland, the Netherlands, and Germany.

NI4OS-Europe aims to be a core contributor to the EOSC service portfolio, commit to EOSC governance and ensure inclusiveness at the European level for enabling global open science. The project supports the development and inclusion of the national Open Science initiatives in 15 Member States and Associated Countries in the EOSC governance. NI4OS-Europe aspires to instil within the community the EOSC philosophy and FAIR principles. It also provides technical and policy support for the on-boarding of service providers into EOSC.

ExPaNDS is the EOSC Photon and Neutron (PaN) Data Service. PaN Research Infrastructures are service providers with a high relevance for the success of EOSC. Through ExPaNDS for national PaN RIs and PaNOSC for PaN ESFRIs, coherent FAIR data services will be enabled to the scientific users of all European PaN facilities, universities and even industry.

FAIRsFAIR aims to supply practical solutions for the use of the FAIR data principles throughout the research data life cycle. Emphasis is on fostering FAIR data culture and the uptake of good practices in making data FAIR. FAIRsFAIR plays a key role in the development of global standards for FAIR certification of repositories and their data, contributing to policies and practices that will turn EOSC into a functioning infrastructure.

Position paper from the EOSC-O5 collaboration

Drago, Federico, Ferguson, Nicholas, Tanlongo, Federica, Fuhrmann, Patrick, Götz, Andy, McBirnie, Abigail, Roarty, Kat, Salvat, Daniel, Servan, Sophie, Campos, Isabel, Cavalli, Valentino, Heikkurinen, Matti, Cauhé, Elisa, Sokartara, Dimple, Arvola, Maijastiina, Lappalainen, Minna, Kotsokali, Dimitra, Prnjat, Ognjen, Toli, Eleni, & Fazekas-Paragh, Judit. (2020). Position papers on EOSC - Insights from Regional Projects & Infrastructures. Zenodo. https://doi.org/10.5281/zenodo.3831561

CONOSC and EOSC

The Council for National Open Science Coordination (CoNOSC) is a network of national Open Science coordinators in the UN-European region.

CoNOSC brings together national OS leaders to engage in an international dialogue and to share good practice for a stronger and more unified, workable Open Science policy framework.

https://conosc.org/os-policies/#page-content

Multiple approaches for a successful EOSC

- In the scientific context: projects, tripartite events
- In the political context: CONOSC, Mandated Organisations
- In a sustainability viewpoint: AAP, SRIA and MAR

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Stay tuned:

1st INTERNATIONAL CONFERENCE "OPEN SCIENCE AND INNOVATION IN UKRAINE"

27-28.10.2022 (online)

Slides made by EOSC-A Board and Secretariat
Suzanne Dumouchel, EOSC-A Director, suzanne.dumouchel@cnrs.fr