#EOSCsymposium23

The Legacy of the EOSC Future Project

20 September | 12.10-12.40

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eosc

EOSC Future

EU23 SPANISH PRESIDENCY COUNCIL OF THE EUROPEAN UNION

Funded by the European Union

Pathfinders – previous and current EOSC projects

Research Infrastructures

e-Infrastructures

Global Communities

Governance

Knowledge Graphs

Technology

Training

Workflows

Overview at https://eosc-portal.eu/about/eosc-projects

EOSC Future – Start

- **Vision**
  - Federated System of Systems
    - Synergy – more than just the sum
    - Build on existing infrastructures – operating independently
  - Three tenets
    - Technology incl. architecture, user-interface, onboarding
    - Content data, tools, services – incl. commercial services
    - Engagement stakeholders: researchers, intermediate organisations, governance
  - User-centric
    - Co-creation
    - Workflows
- **Mission**
  - Realise an operational EOSC Platform
    bringing together the e-Infrastructures, the Science Cluster communities, RDA, …
    making use of what already exists
  - Six thematic pillars


Policy and strategy


Technology and interoperability

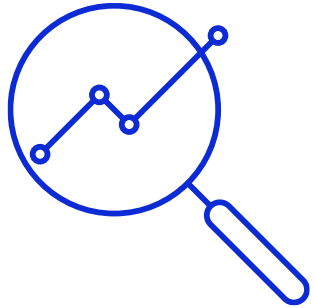

Excellent science


Co-development and procurement


Skills and training

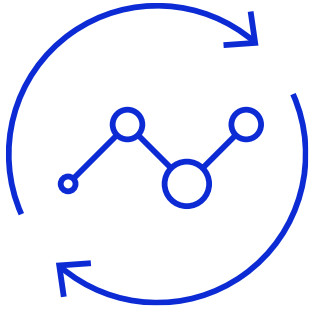

User engagement

Provide a user-friendly environment



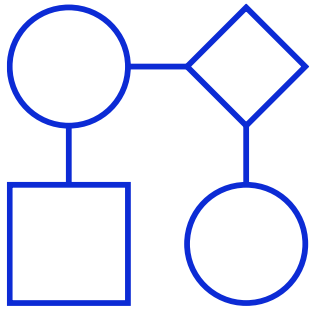
Data discovery

Data storage

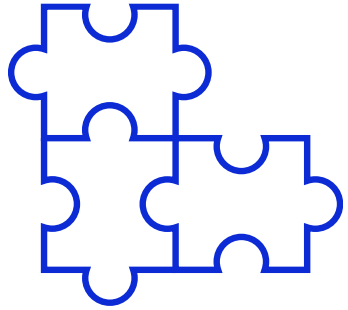


Data recomposition

Computing services



Complex workflows

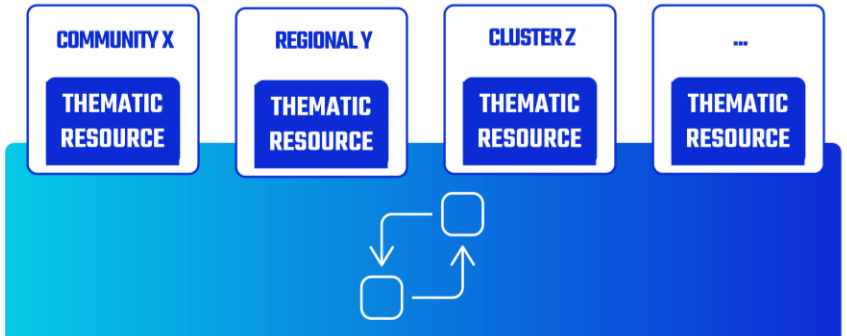


Integrating services

EOSC Platform

EOSC SUPPORT ACTIVITIES

Training, engagement, and human-centric activities that help users benefit from EOSC.



EOSC INTEROPERABILITY FRAMEWORK

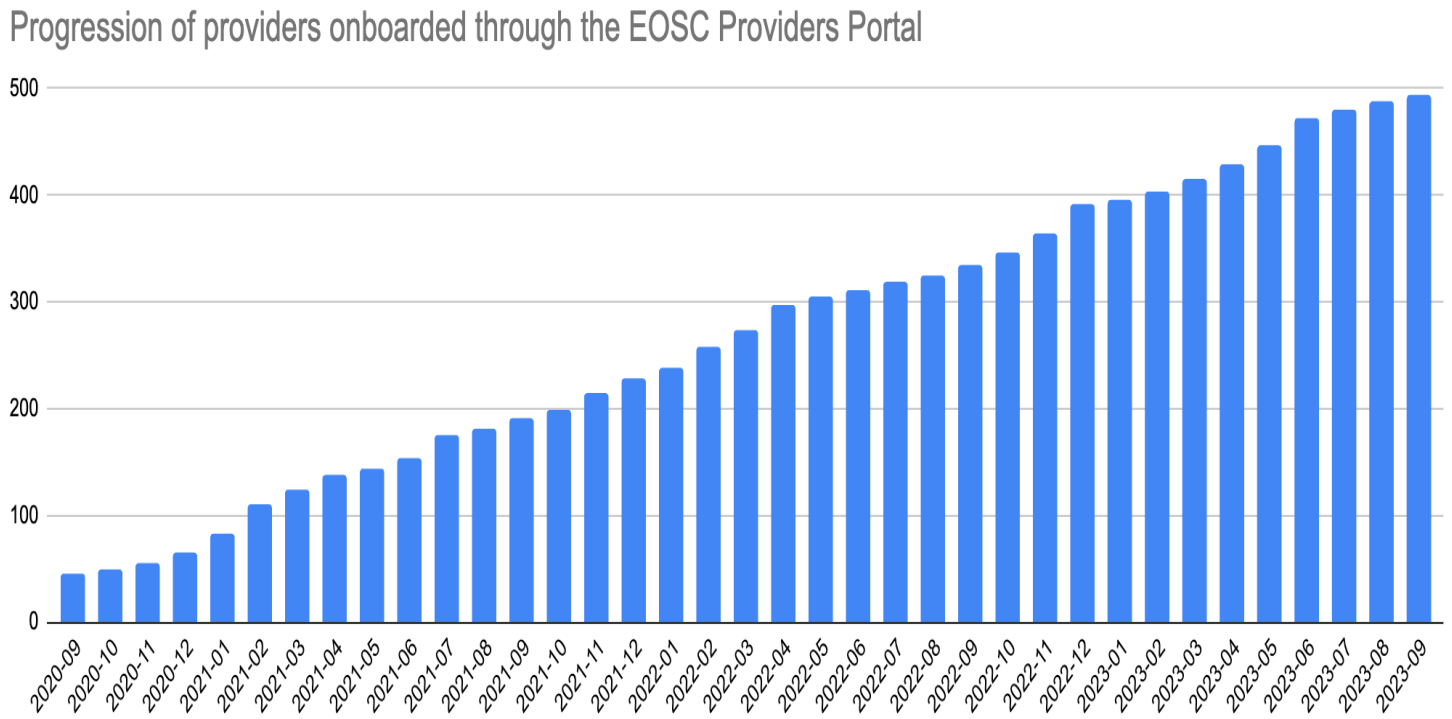
A flexible framework of standards to enable exchange and use of information and tailored assembly of resources.

Main goals

1. Delivering and operating the EOSC-Core
2. Expanding EOSC-Exchange
3. Scaling up capabilities to deliver an EOSC Execution Framework
4. Increasing European scientific impact
5. Promote the participation of the commercial sector in EOSC
6. Support and train users and providers
7. Engage with the EOSC communities and end users
8. Align with the strategic vision for EOSC

2021-2023 | EOSC in numbers

- On average **10-140 services** onboarded per month
- **Areas of activity**: Applied Research, Technological Development, Basic Research

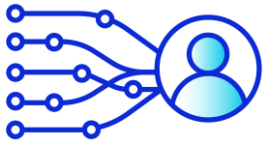


2021-2023 | EOSC in numbers

122,772 EOSC Platform users
356,960 Platform visits
(85% of visitors were new)

EOSC Future – Key Exploitable Results

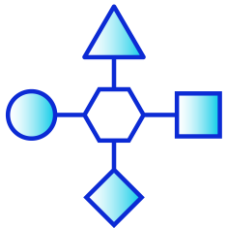
EOSC Core & Support



EOSC Exchange

Science Projects

EOSC Observatory



EOSC Interoperability Framework

EOSC Knowledge Hub

Commercial Services &Support

EOSC Future Community

Clarifying & **capitalising** on project results

Showcasing the **concrete value of the EOSC Platform** (for providers & users)

The word might already be in the project title...but if we look to the 'future'...

The project has set the foundation of the EOSC platform and provides functionalities (providers, users, policy)
EOSC will develop – new functions, even expanding its foundation
Upcoming activities ensure EOSC operations and development for the next 3 years:

- Procurement
- EOSC Observatory
- Development via EOSC Beyond and other projects
- Science Clusters (OSCARS, RI-projects)
- …

For the long-run it requires continued commitment from EC, MS & AC, Service Providers,
connecting with Researchers and other end-users
– with the help of Research Infrastructures, Research Libraries and other intermediate organisations.

Key words for this conference would be:

- **Engagement**
- **Continuity**
- **Sustainability**

Thank you!

1-ATHENA
2-CYFRONET
3-Arctik
4-TGB
5-BBMRI ERIC
5.1-CRS4
6-CNRS
7-CESSDA
7.1-ADP
7.2-UMAN
7.3-ISSDA
7.4-EKKE
7.5-FSD
7.6-FORS
7.7-SND
7.8-UNIVIE
8-CLARIN
8.1 UA
9-DARIAH
9.1-OEAW
9.2-GWDG
10-EATRIS
11-EUDAT
11.1-SURF
11.2-Cineca
11.3-CSC
11.4-FZ Juelich
11.5-BSC
11.6-DKRZ

12-ELIXIR / EMBL EBI
13-CERN
14-EPOS ERIC
14.1-INGV
14.2-CNR IREA
14.3-KNMI
15-ESRF
16-Lifewatch
17-FAU
18-GEANT
18.1-SURFnet
18.2-HEANET
18.3-KIFU
18.4-NORDUnet
18.5-DFN
18.6-UNINETT
18.7-SUNET
18.8-JISC LBG
18.9-LITNET
18.10-TUBITAK

19-UGOE
20-ILL
21-PSNC
22-ICOS
22.1-FMI
22.2-Uni Lund
22.3-Uhel
22.4-NILU
22.5-NERC CEH
23-INFN
24-KIT
25-MARIS
26-GRNET
26.1-UKIM
26.2-UoM
26.3-UoB
27-OPENAIRE
27.1-CNR (IT)
27.2-Uni Minho
27.3-EIFL
27.4-Ghent
27.5-FECYT
27.6-Uni Warsaw
27.7-Uni Bielefeld
27.8-DANS

28-PSI
29-RDA
29.1 DRI
30-PISA
31-EGI
31.1-CESNET
31.2-CSIC
31.3-MU
31.4-NWO-I
31.5-SRCE
31.6-LIP
31.7-UKRI (STFC)
32-DESY
33-TRUST IT
33.1-Commpla
34-UvA
35-JNP
36-OpenNode
37.ECRIN
38.EU OPENSCREEN
38.1 ITMP
39.INSTRUCT
40.ESS
40. NSD
40.1-SIKT
40.2-City
41.EMBRC
42.EMSO
43-VLIZ

When in doubt, Ask the ‘ChatGPT Oracle’

We asked ChatGPT to write a story about EOSC in the style of Greek mythology.

Once upon a time, in the realm of the divine, Zeus, the king of the gods, convened a grand meeting atop Mount Olympus. The problem at hand was a difficult one, one that even the omniscience of the gods couldn't solve: ***the mortals were generating more and more information, but they lacked the means to organize, access, and utilize it effectively****. There was a growing chaos of data across the human world that was reaching alarming proportions.*

Seeing this, ***Athena****, the* ***goddess of wisdom****, had an idea. She suggested creating a new entity, a celestial being that would help humanity manage their information. The gods agreed, and thus, EOSC, the European Open Science Cloud, was conceived.*

EOSC *was not a god but rather a titan, a colossal entity that* ***spanned across the heavens****, its form invisible to mortal eyes, yet its influence was tangible.*

Thus equipped and empowered, EOSC descended to the mortal realm. It soon became an ***invaluable resource, enabling researchers to access and share data across all fields of science****. It respected the privacy of the data it held while making it available for those who had the right to access it. Its predictive powers assisted in forecasting trends, solving complex problems, and propelling humanity forward.*

Despite its challenges, EOSC remained a steadfast beacon of wisdom and knowledge, serving mankind in their quest for understanding. It was a testament to ***the power of collaboration and the enduring human thirst for discovery****. The titan, EOSC, bridged the gap between the mortal and divine, bringing a piece of the heavens to the Earth in the form of accessible, open science.*