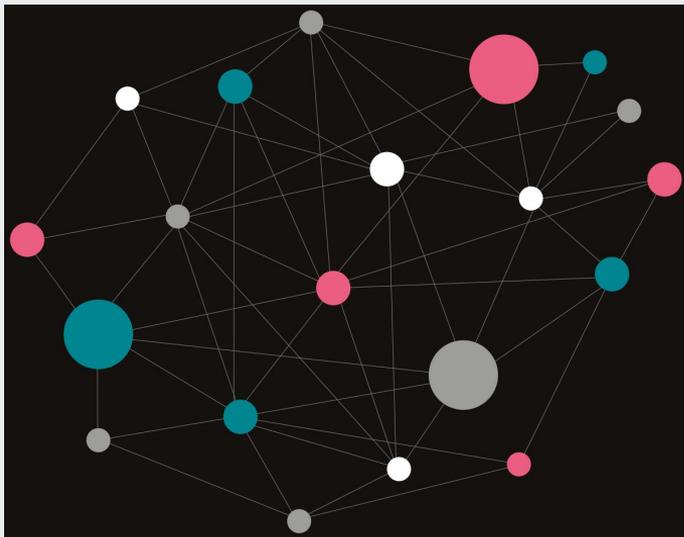




EOSC & INAF

we have the nodes, we miss the comb

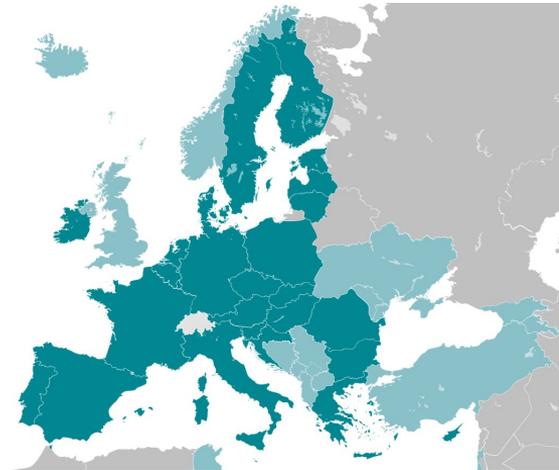


Marco Molinaro, Serena Pastore, Eva Sciacca,
Martina Vicinanza, Sara Bertocco, Cristina
Knapic, Giuliano Taffoni



outline

- EOSC
 - Association (EOSC-A)
 - Federation
 - EU Node
- EOSC Node | Italy
- INAF & EOSC
- Astrophysics & EOSC



European Open Science Cloud

The ambition of the European Open Science Cloud (**EOSC**), is to develop a “*Web of FAIR Data and Services*” for science in Europe. EOSC will be a multi-disciplinary environment where researchers can **publish, find and re-use data, tools and services**, enabling them to better conduct their work.

European Commission



Representing the
European Union

EOSC Steering Board



Representing EU
Member States and
Associated Countries



EOSC Association



Representing the
European research
community

build-up - long term process

- 2018-2020
 - prototype components (H2020 FP)
 - interim EOSC governance
- 2021-2030
 - implementation phase (HE FP)
 - Co-Programmed Partnership
 - Strategic Research & Innovation Agenda (SRIA) based
- 2028-2034
 - ...under definition (FP10)



EOSC Association

The EOSC Association is the *legal entity established* to govern the European Open Science Cloud (EOSC), formed on 29/07/2020 with 4 founding members, and has since grown to ~250 Members and Observers.

Currently

- 253 organisations (25 Italian)
 - 128 members (17 Italian)
 - ESO & ESA among them
 - 28 mandated organisations
 - 1 Italian, GARR/ICDI to become ICSC
 - 97 observers (7 Italian)

EOSC Association – Task Forces

The EOSC Association Task Forces, together with the EOSC Opportunity Area Expert Groups, represent the EOSC brain pool. Together, these groups include hundreds of expert volunteers collectively working to develop key areas in the implementation of EOSC.

2021-2023 saw 13 Task Forces, grouped in 4 high-level areas. 2024-2026 Task Forces were re-organised to become 4.





EOSC Association – Monitoring programme

EOSC-A Members have pledged to contribute €500 million in **in-kind contributions** to co-finance the EOSC Partnership between **2021-2030**, and support the implementation of its objectives outlined in the EOSC Strategic Research and Innovation Agenda (SRIA) and in accordance with the Partnership’s Memorandum of Understanding.

These in-kind contributions, also commonly referred to as **Additional Activities**, complement the funding provided by the European Commission through Horizon Europe. Through these investments, institutions across Europe become deeply vested in the success of EOSC.

31 March 2026 - deadline for AAR25 & AAP27

AAP Reviewed

Form	User	Submitted	Category
AAP 2025 - Approved	IstitutoNaziona forAstrophysics	18 Mar 2025 12:49:51	AAP Reviewed
AAP 2024 - Approved	IstitutoNaziona forAstrophysics	10 Sept 2023 02:00:00	AAP Reviewed
AAP 2022 - Approved	IstitutoNaziona forAstrophysics	18 Oct 2021 02:00:00	AAP Reviewed
AAP 2026 - Approved	IstitutoNaziona forAstrophysics	26 Nov 2025 23:24:08	AAP Reviewed

AAR

Form	User	Submitted	Category
AAR 2022	IstitutoNaziona forAstrophysics	18 Oct 2021 02:00:00	AAR
AAR 2024	IstitutoNaziona forAstrophysics	15 Sept 2023 08:57:09	AAR



EOSC Association – future wise

The EOSC Association is the *legal entity established* to govern the European Open Science Cloud (EOSC), formed on 29/07/2020 with 4 founding members, and has since grown to ~250 Members and Observers.

EOSC-A has a role w.r.t the current tripartite governance leaning on the EOSC as a funded project within the EU Horizon Europe FP.

FP10 (2028-2034) will change funding rules and EOSC-A is consulting to keep the community (bottom-up) approach in continuing the governance of the EOSC Federation.

Partnership will (probably) move from a Co-Programmed one to a Work Programme based one.

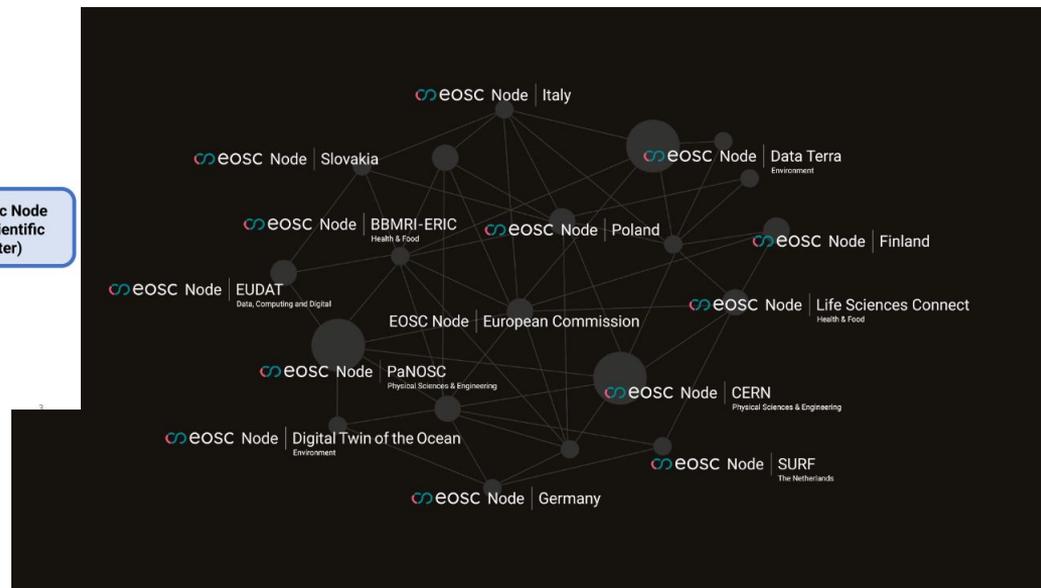
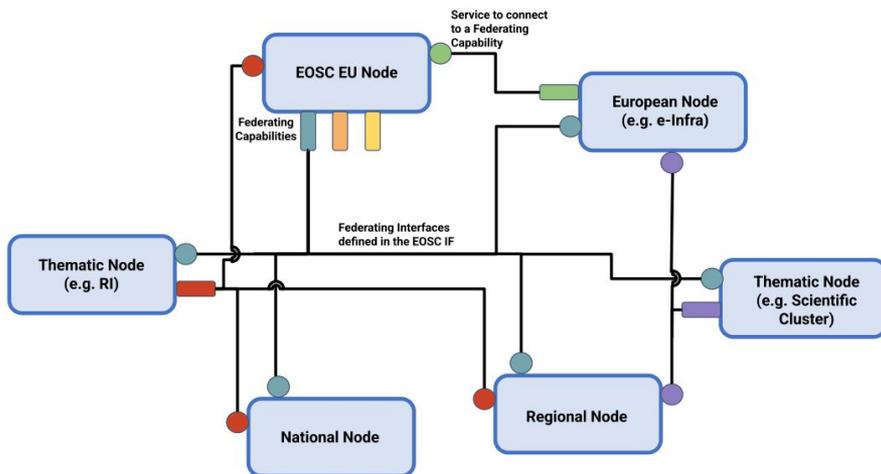
Funding schema will ask for a 50%/50% balance of EU cash and Partners cash/in-kind.

It's not yet clear what role EOSC-A will have in the “new” governance of the Federation.

EOSC Association – future wise



EOSC Federation (of Nodes)





EOSC EU Node



Support 

Default Personal Project 

Marco Molinaro
Investigator (AP-B) 

Hello Marco Molinaro

This is the overview of your EOSC EU Node account.

File Sync and Share

- Available: 1 (Small)

You have access to this service

[View Service >](#)

Interactive Notebooks

- Available: 1 (Small), 1 (Medium), 1 (Large)

You have access to this service

[View Service >](#)

Large File Transfer

- Available: 1 (Standard)

You have access to this service

[View Service >](#)

Virtual Machines

- Available: 1 (Small), 1 (Medium), 1 (Large)

You have access to this service

[View Service >](#)

Cloud Container Platform

- Available: 1 (Small), 1 (Medium), 1 (Large)

You have access to this service

[View Service >](#)

Bulk Data Transfer

You have access to this service

[View Service >](#)

EOSC Node | Italy – ICSC

Home | Publish Item | Update Item | Delete Item | Share Link | Moderation Enabled

EOSC Node | Italy Catalog | Catalog | OS Observatory - IT | Members | How-tos

EOSC Node | Italy

Resources contributing to the EOSC Node | Italy [read more](#)

Followers: 13 | Items: 3

[Unfollow](#)

Filter by location [Clear](#)



Map data © OpenStreetMap contributors
Tiles by MapBox

Organisations

EOSC Node | Italy (3)

Items About

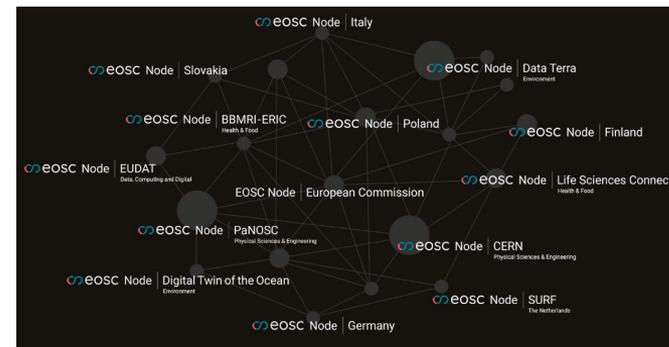
INAF

3 items found for "INAF" Order by: Relevance

OA@INAF Service
INAF Open Access Repository
[Webpage](#)

INAF - IA2 Service
Italian Center for Astronomical Archives - Centro Italiano Archivi Astronomici
[Webpage](#) [Webpage](#)

PLAY INAF Service
Open educational resources (e.g. coding, educational robotics, games, tinkering, augmented and virtual reality) of the Italian National Institute for Astrophysics
[Webpage](#)





INAF & EOSC

INAF is a member of:

- EOSC-A
- ICDI
 - Italian Computing and Data Infrastructure
 - discussion forum to promote Italian digital infrastructures in scenarios like EOSC and (Euro-)HPC
 - (former) EOSC Italian mandated organisation (through GARR)
- ICSC
 - National Research Centre for High Performance Computing, Big Data and Quantum Computing
 - (incoming) EOSC Italian mandated organisation



INAF & EOSC

An internal (self-volunteered) group of USC-C is bringing on activities for INAF related to the European Open Science Cloud:

- contributing to the Italian National EOSC Node (ICSC managed)
 - in the proposal and first build up phase
 - looking forward to the “post ICDI” solution
- reporting, and potentially planning, (non EU funded) efforts related to advancing FAIR principles and Open Science
 - used to support the EOSC-A
- connecting with European partners (CDS, ESO, EuroPlanet, ...) in identifying what would mean setting up a Thematic Astronomy Node within the EOSC Federation



Astronomy & EOSC

- What does it mean to set up an *astronomy* thematic node?
 - avoid duplication of efforts
 - preserve historical interoperability efforts
- Who should be involved, EU-wise?
 - “clusters” merge astronomy with particle physics; sounds rather odd w.r.t. use cases
 - who should be leading an european effort in a thematic cluster?
 - needs a legal entity and sustainable infrastructure
 - are we ready for astronomy EU MoUs for that?
- What are the needs and goals for INAF?
 - what are the benefits of onboarding in EOSC?
 - what are the efforts required to integrate in EOSC?
- ...



Interested in participating / helping out?

email us! inaf-eosc@inaf.it

References

- EOSC:
 - <https://eosc.eu/>
- EOSC-A:
 - <https://eosc.eu/eosc-association>
- EOSC EU Node:
 - <https://open-science-cloud.ec.europa.eu/>
- EOSC Node | Italy
 - <https://eoscnode-it.d4science.org/>



Thank you for your attention!