



## EOOSC in a nutshell

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Slides taken from:

“All you need to know about the European Open Science Cloud (EOOSC)” by the project EOOSC Focus, May 2023, v0.1



# EOSC vision in a nutshell

What

**EOSC is the European web of FAIR data and related services for research**

Research data that is easy to find, access, interoperate and reuse (FAIR)  
Trusted and sustainable research outputs are available within and across scientific disciplines

Why

**Unlock the full potential of research data to accelerate discoveries and innovation**

How

- Ensure that Open Science practices and skills are rewarded and taught, becoming the ‘new normal’
- Enable the definition of standards, and the development of tools and services, to allow researchers to find, access, reuse and combine results
- Establish a sustainable and federated infrastructure enabling open sharing of scientific results

➔ Strategic Research and Innovation agenda (SRIA)  
[eosc.eu/sria-mar](https://eosc.eu/sria-mar)



# EOSC is not ...

## 1. ...a cloud infrastructure

Despite the word “cloud” part of its name, EOSC is not a new cloud computing platform

## 2. ...a new research data repository or research data management system

The federation of existing infrastructures, i.e. EOSC, is a new infrastructure which does not exist today

## 3. ...a new pan-European e-infrastructure

EOSC is not building a new e-infrastructure. EOSC is building i. the components to enable the federation of existing data, research and e- infrastructures nodes and ii. the additional services needed to enable the Web of FAIR data and related services.

## 4. ...synonymous of Open Science

EOSC is the enabler that will support the deployment of Open Science in Europe. EOSC does not substitute any existing Open Science networks.

## 5. ...the EOSC Association

The EOSC Association as representative of the various stakeholders in Europe is the legal entity established to work together with the European Commission to support the realisation of the EOSC strategy.

## 6. ...substituting any existing national, regional, pan-European, agnostic nor thematic Research Infrastructures or e-infrastructures

EOSC will enable the federation of existing data, research and e-infrastructures nodes. The new developments are focused on components enabling the federation and on the additional services needed to enable the Web of FAIR data and related services

## 7. ...the EOSC Portal

The EOSC Portal is one of the results of the EOSC Future EC funded project (2019-2023). The EOSC Portal is piloting the EOSC AAI and the idea of a European marketplace for services supporting researchers.

## 8. ...owning any data or services

EOSC is an enabler. The ownership of the federated elements (data, services, research infrastructures, e-infrastructures, etc.) will remain with the providers.

## 9. ... engaging directly individual researchers.

Individual researchers will benefit from EOSC through their existing channels (e.g. universities, research institutes, research infrastructures, associations, etc.) that will act as intermediaries.



# EOSC in the policy context



## EOSC as a policy action

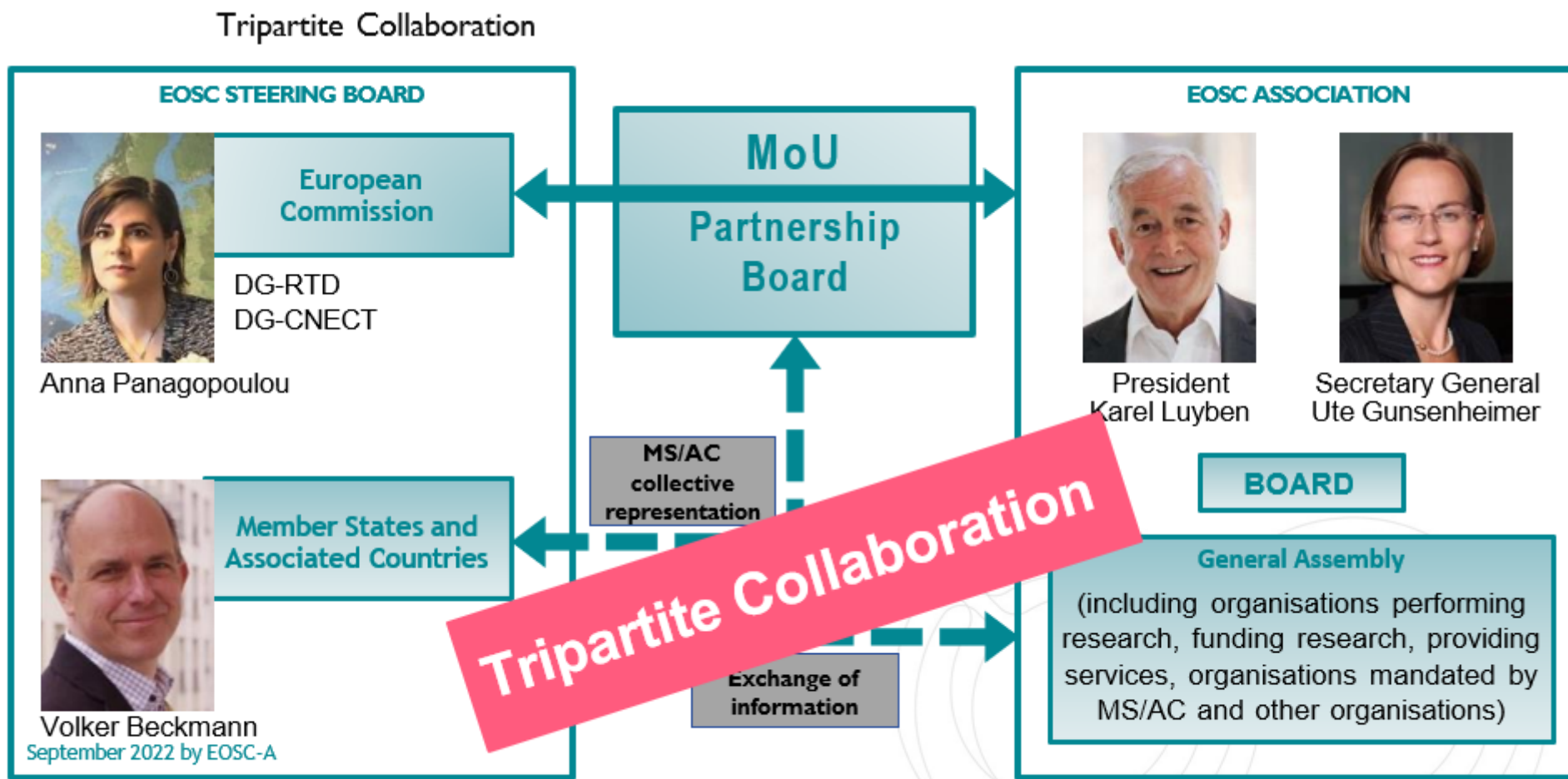
The EOSC initiative is a **policy priority of the European Union** since 2016 driven by DG RTD and DG CNECT.

“The EOSC is recognised by the Council of the European Union among the 20 actions of the policy agenda 2022-2024 of the European Research Area (ERA) with the specific objective to deepen open science practices in Europe. It is also recognised as the "science, research and innovation data space" which will be fully articulated with the other sectoral data spaces defined in the European strategy for data“

*European Commission website*  
[research-and-innovation.ec.europa.eu/strategy/strategy-2020-2024/our-digital-future/open-science/european-open-science-cloud-eosc\\_en](https://research-and-innovation.ec.europa.eu/strategy/strategy-2020-2024/our-digital-future/open-science/european-open-science-cloud-eosc_en)

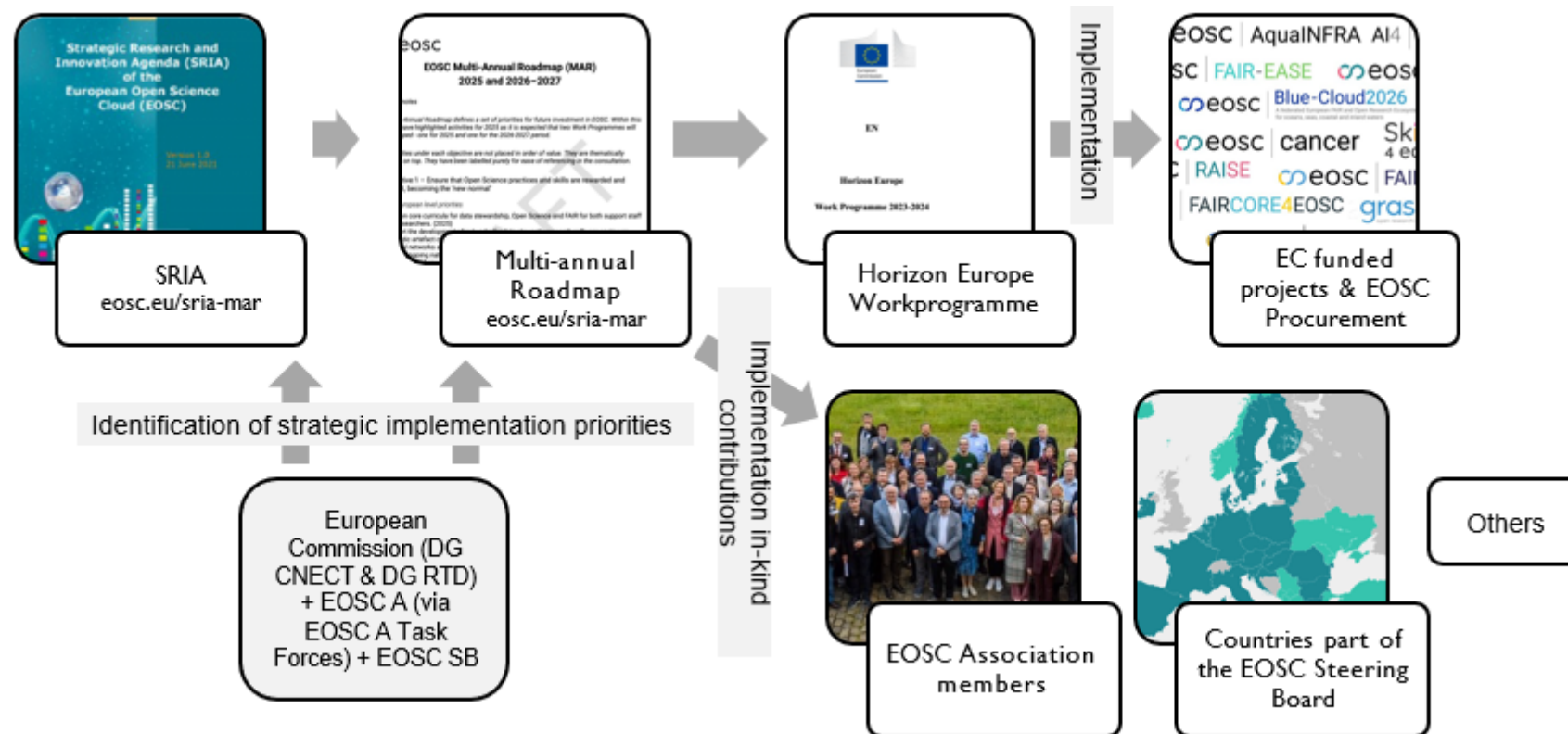


# EOSC Partnership



# How EOSC is implemented

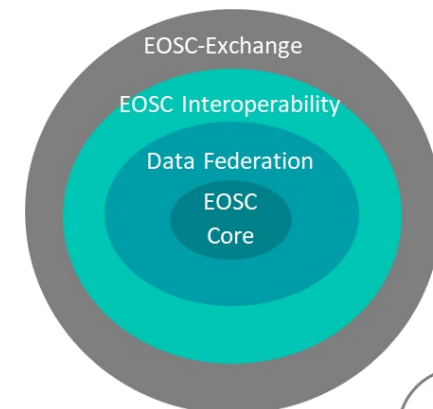
At least until 2028, the EOSC implementation will happen (i) via EC funded projects, (2) the EOSC procurements and (3) in-kind contributions (from the members of the EOSC Association, the countries part of the EOSC Steering Board and others)



# EOSC EU node

The **EOSC EU node** is the federating element of the MVE (= Minimum Viable EOSC)

- The “**Managed Services for the EOSC Platform**” Procurement refers to an “**EOSC European node**”
- The EOSC EU node can be considered the European centrally financed instance of the MVE
  - The building elements of the MVE are progressively delivered through the EC funded projects
  - From September 2023, the MVE prototyping phase will be moved to operation via the “Managed Services for the EOSC Platform” Procurement -> **EOSC EU Node**
- The EOSC EU node will enable the federation of existing data, research and e- infrastructures nodes operating at institutional, national, regional, pan-European and thematic level
- The EOSC EU node will be operational by the end of 2023 and will include the minimum set of MVE components necessary to enable the EOSC federation
- In the future, R&D projects will be conducted to develop and prototype new elements supporting the evolution of the tools enabling the federation



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