2. EOSC Coffee Lecture

Wo steht die EOSC heute und welche Zukunftsperspektiven gibt es?

Klaus Tochtermann, 27.02.2024
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Überblick EOSC Coffee Lectures

1. EOSC Coffee Lecture:
"Was ist die EOSC und welche Ziele verfolgt sie?"

Datum: Dienstag, 30. Januar 2024

Uhrzeit: 16:00-17:00

2. EOSC Coffee Lecture:
"Wo steht die EOSC heute und welche Zukunftsperspektiven gibt es?"

Datum: Dienstag, 27. Februar 2024

Uhrzeit: 16:00-17:00

3. EOSC Coffee Lecture:
"Welche Möglichkeiten zur Beteiligung gibt es?"

Datum: Dienstag, 26. März 2024

Uhrzeit: 16:00-17:00

Überblick 2. Coffee Lecture

- Where do we stand?
- Tasks for EOSC post-2027
- Node Concept
- “Procurement”

EOSC development 2021-2027

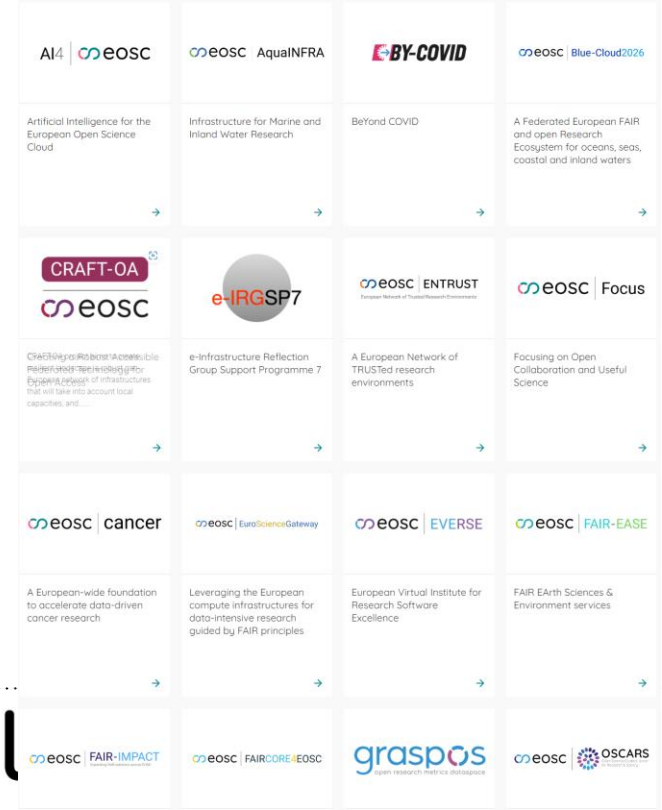
EOSC phase 1: 2018 - 2020	EOSC phase 2: convergence 2021 - 2027	EOSC phase 3: operation Post-2027
Funding instruments: H2020 calls/grants approach	**Funding instruments:** HE INFRAEOSC calls / grants approach EOSC Procurement In kind contributions from the EOSC Association members	**Funding instruments:** Under discussion
Funders: European Commission (DG CNECT; DG RTD)	**Funders:** European Commission (DG CNECT; DG RTD) Members of the EOSC Association	**Funders:** Under discussion
Total funding: 350 M€	**Total funding:** 1 billion € (500M€ from the EC + 500M€ as in kind contributions from the EOSC Association members)	**Total funding:** Under discussion
Main purpose: To support the implementation strategy defined in the **EOSC roadmap** 2018-2020 by the European Commission	Main purpose: To support the implementation of the **strategic priorities identified in the Multi Annual Roadmap 2021-2022; 2023-2024; 2025; 2026-2027 of the Strategic Research and Innovation Agenda (SRIA)**	Main purpose: To support the **EOSC strategy and governance post 2027**

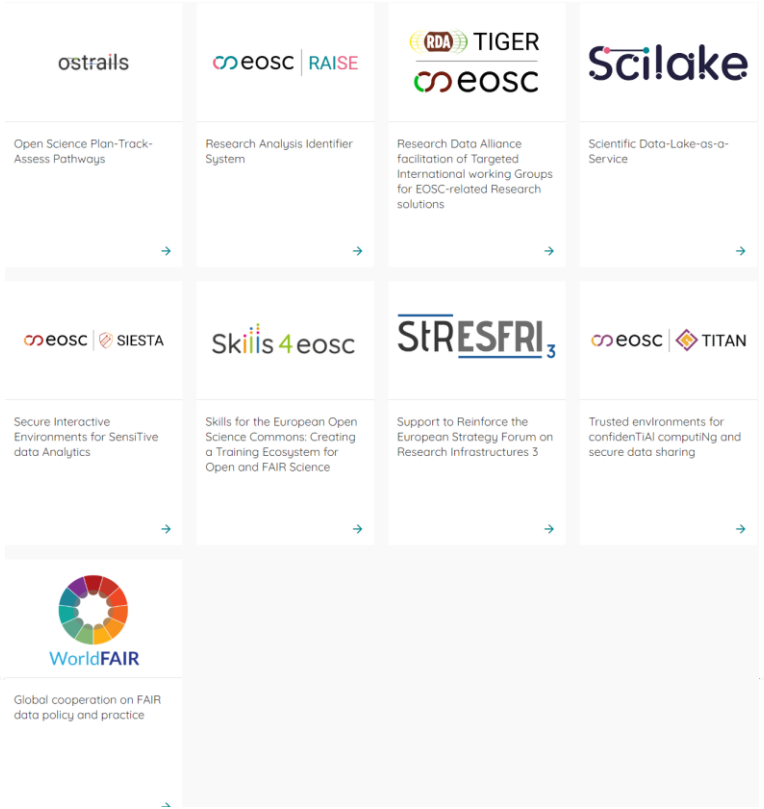
Strategic Research and Innovation Agenda

Table of Content

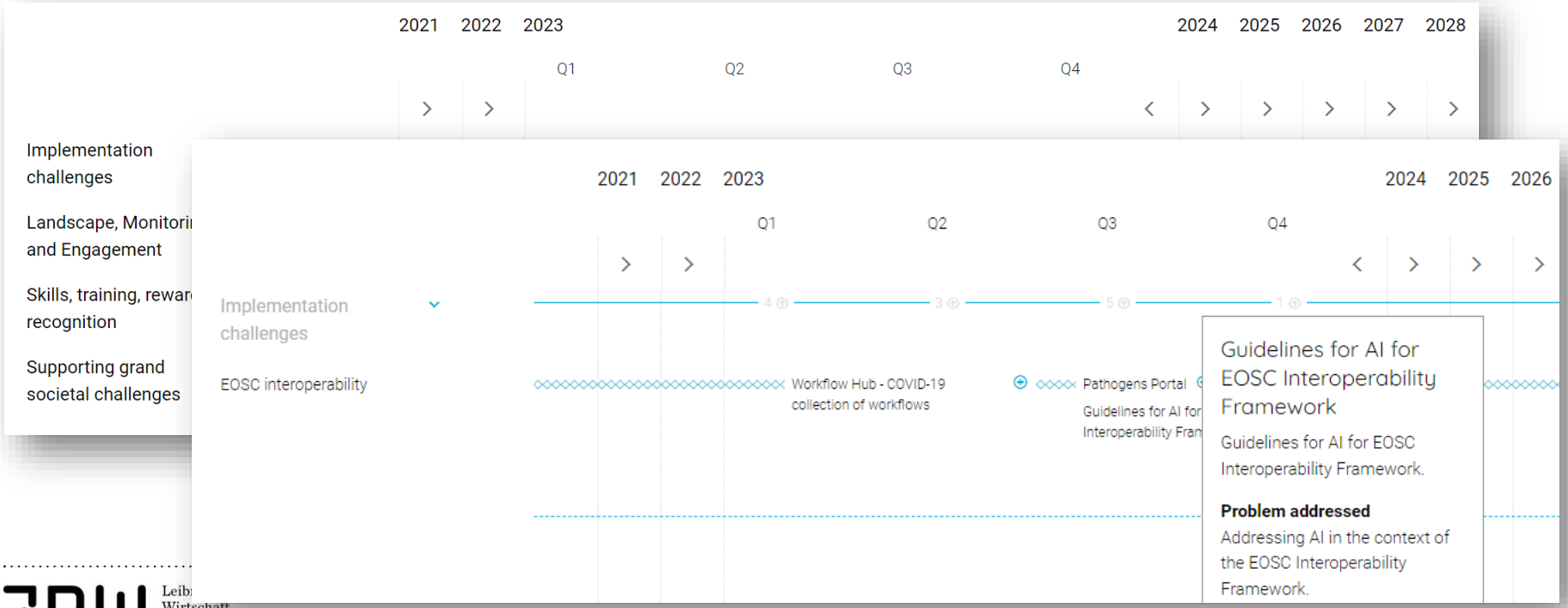
- …
- Implementation Challenges
- Landscape Monitoring
- Skills and Training
- …

Funded EOSC Projects





EOSC Implementation Macro-Roadmap



Where do we stand?

- Lively community has been established and is growing continuously
- Results from funded projects are available
- Overall result not yet available
- Status of EOSC comparable with status NFDI

EOSC development post 2027

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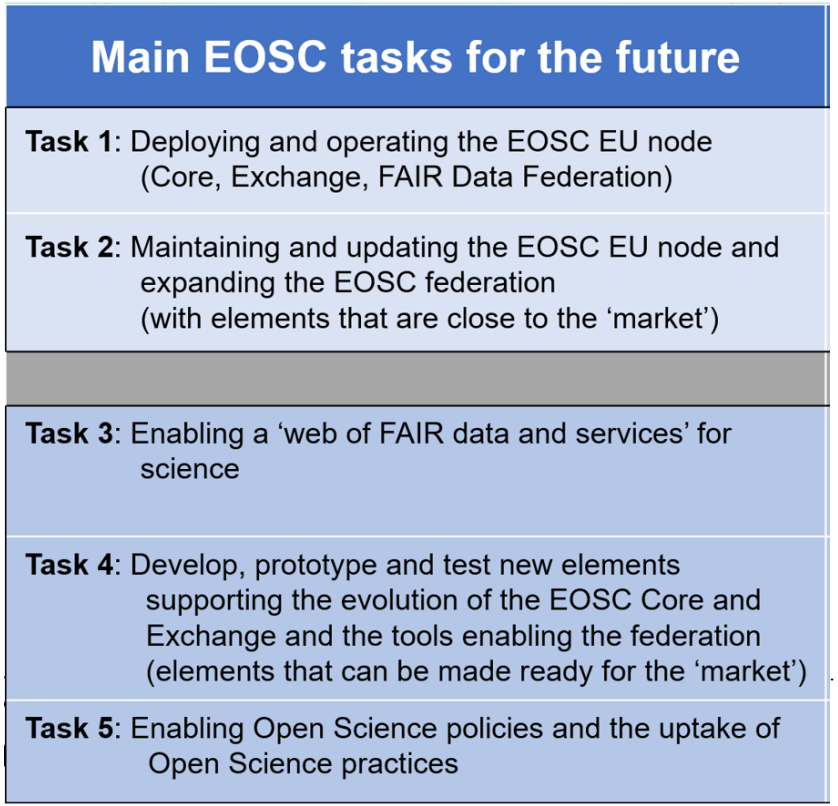
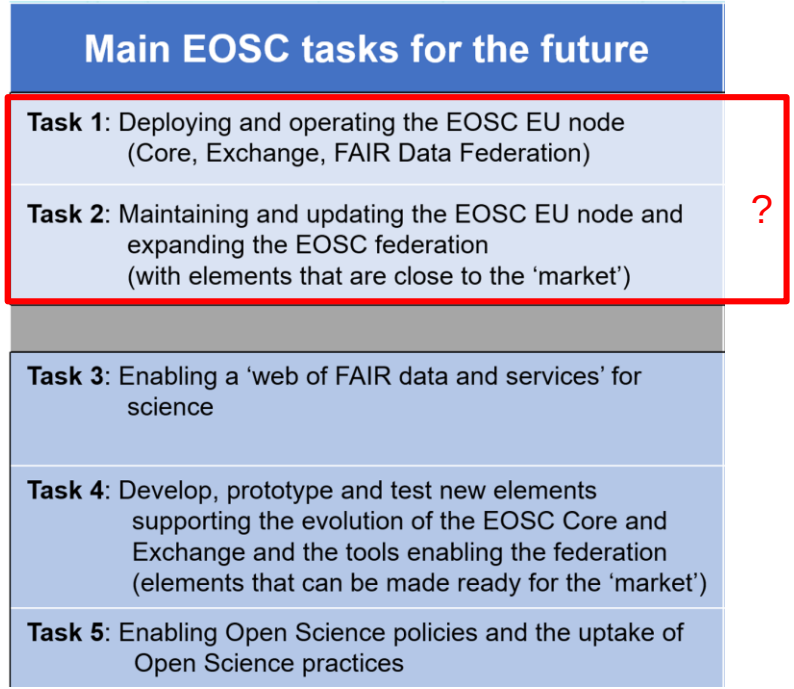
EOSC „helicopter view“ (by M. Schouppe, EC)



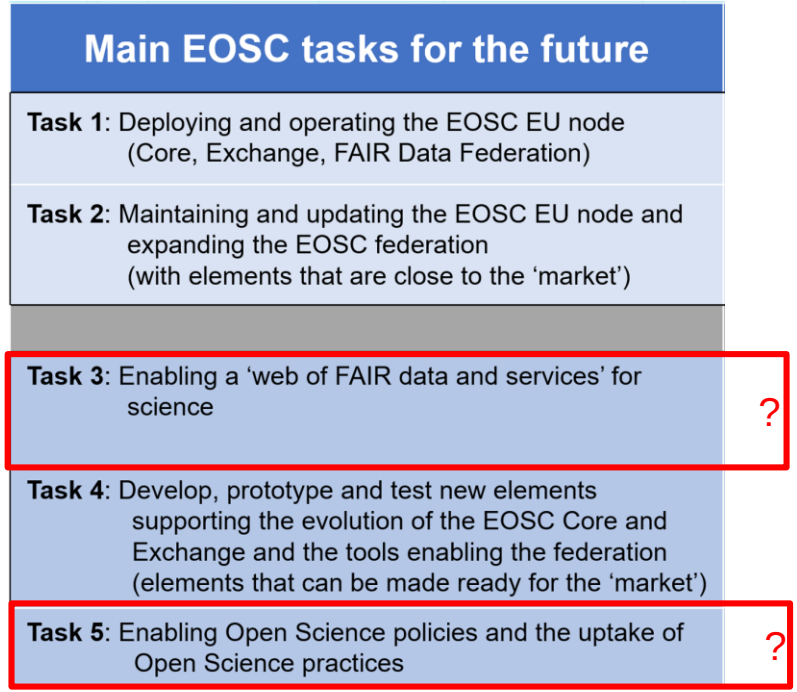
Three potential high-level scenarios (1/3)

Tasks 1 to 5 would all fall under **direct management by the European Commission**. This scenario is mainly based on the use of grants and/or procurement as part of the EC Work Programmes.



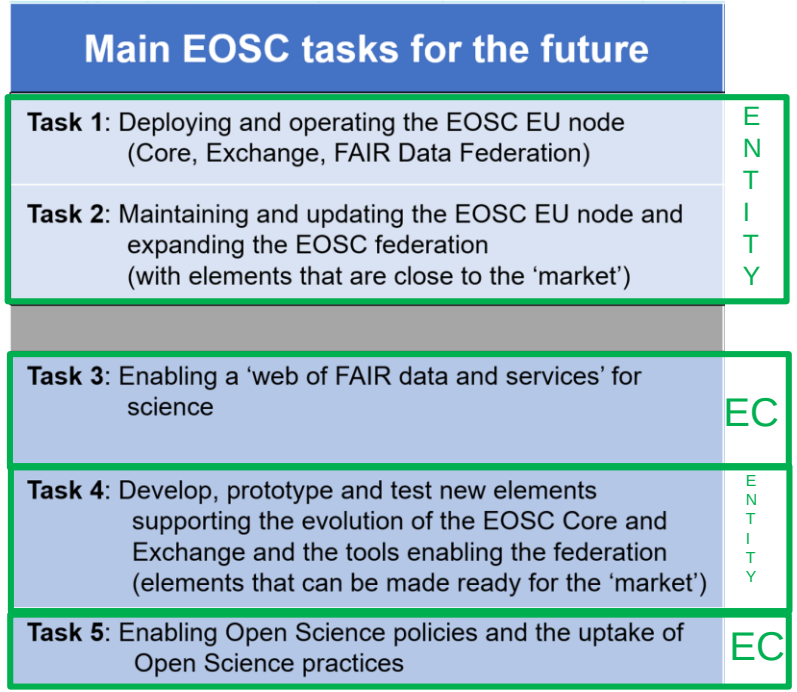
Three potential high-level scenarios (2/3)

Tasks 1 to 5 would all fall under **indirect management by an external entity**. This scenario is mainly based on the use of grants and/or procurement as part of the legal entity's Work Programmes.

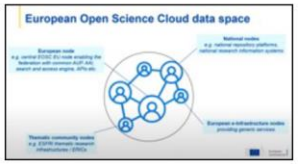


Three potential high-level scenarios (3/3)

A hybrid model would consist of the **combination of direct management by the European Commission and indirect management by an external entity,** depending on the tasks.



The Evolution of the „Node Concept“



Spring	July	September	October	November
Introduction EOSC EU Node and concept of Nodes by EC	Meetings with Mandated Organisations and ESFRI RI Working Group to prepare September workshops, 03./04.07.	Community Workshops MOs & ESFRI RI WG (08./15.09.) Unconference EOSC Symposium (21.09.)	Publication of Draft Position Paper on the EOSC Federation and the role of Nodes (13.10.) & Consultation	Publicatio of revised version of Draft Position Paper (12.11.)

What is a „EOSC Node“?

EOSC Nodes

- contain resources adding value to EOSC
- act as the legal representative that can interact with EOSC’s governance structure
- offer interfaces that comply with the EOSC Interoperability Framework
- control their own operations and resources and ensure that policies are followed within the Node
- may vary in their local policies, the resources to which they provide access and the infrastructure on which they are built

What is the EOSC EU Node?

“...to build and deploy a fully operational enabling infrastructure for EOSC – referred to as the EOSC EU Node – providing access to a rich portfolio of FAIR data and professional quality interoperable services in all relevant domains from data handling to computing, processing, analysis and storing...”.

Announcement of the winners of the EOSC Procurement

The Node Concept

Peter Szegedi (DG-CNECT)

Reference *EOSC EU Node*
enabling the federation

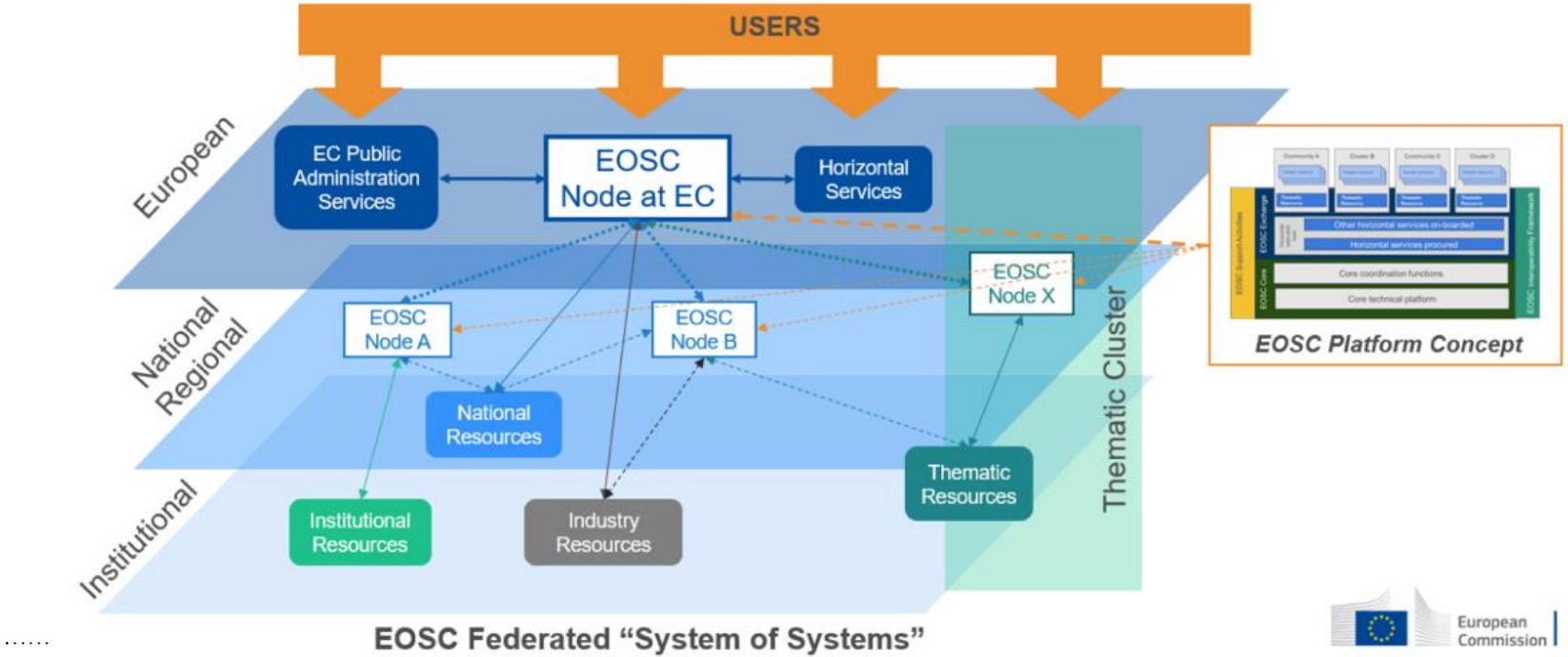
National nodes
e.g. national repository platform of national research information system

Thematic community nodes *(including thematic research infrastructures of European interest)*

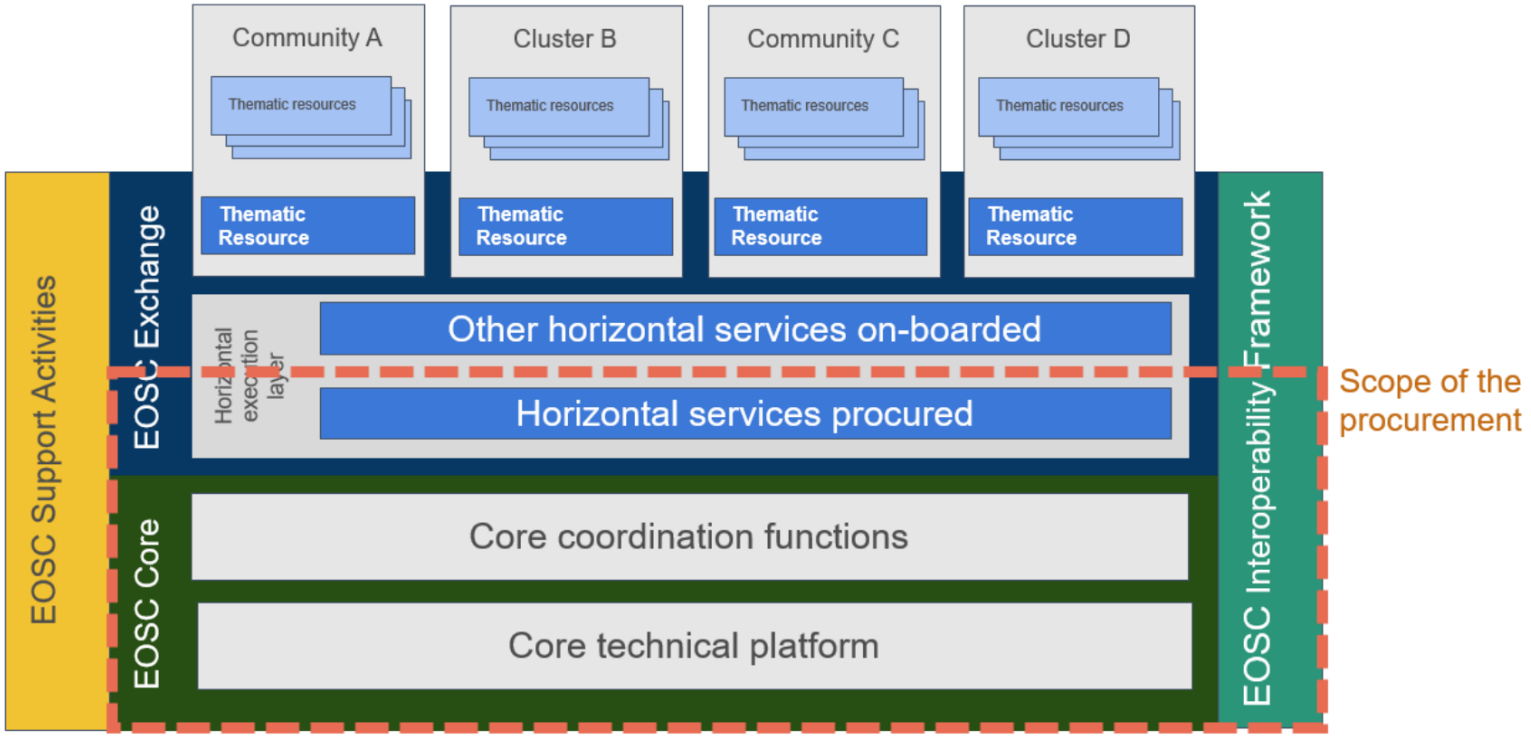
European e-Infrastructures
providing generic data services

Other data infrastructure nodes *(…)*

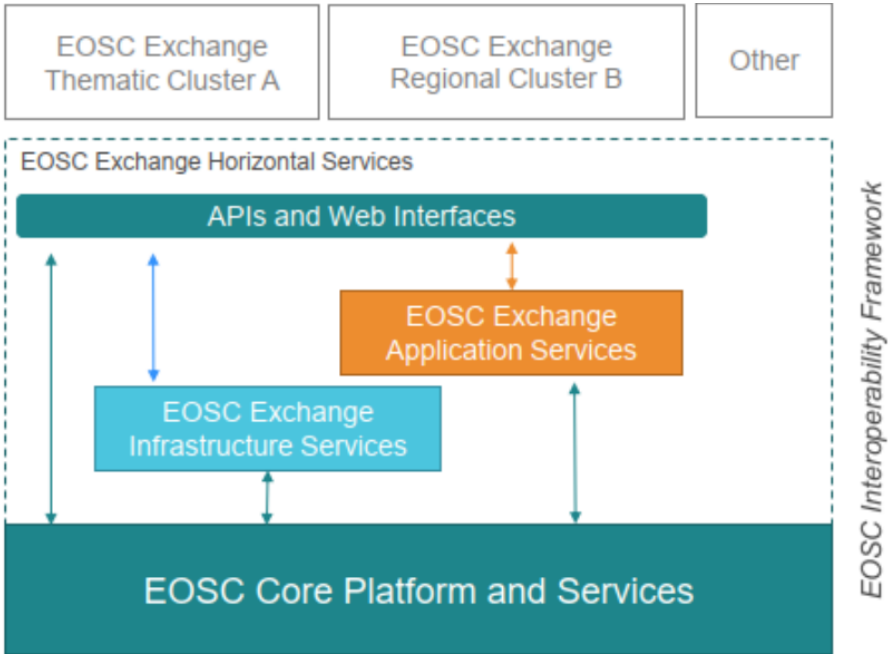
The EOSC EU Node Concept



Procurement for the EOSC EU Node



Procurement Lot Structure



Procurement Lot Structure

Lot 3	Managed Collaborative Data Platform, Interactive Data Analytics Platform and Visualization Services for the EOSC Exchange (Application Services)
Lot 2	Managed Container Platform and Virtual Machine Services for the EOSC Exchange (Infrastructure Services)
Lot 1	Managed Services for the Development, Integration, Deployment and Operations of the Federated EOSC Core

Arwarded Contractors

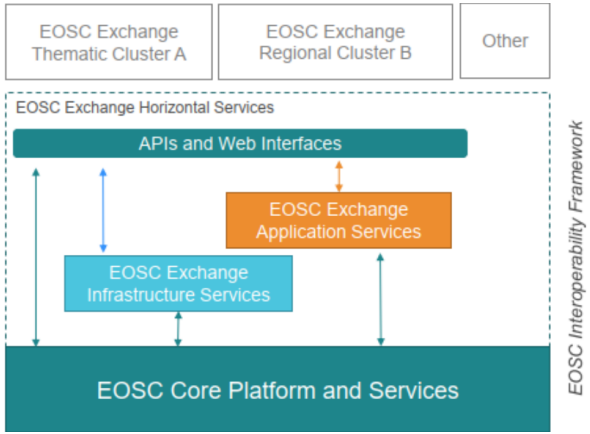
Coordinator Lot 1:
Athena Research Center

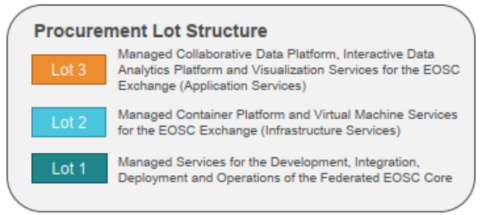
Coordinator Lot 2 & 3:
Poznan Supercomputing and Networking Center

Alignments of EOSC and NFDI

Base4NFDI provides basic services for NFDI

Alignment with **EOSC procurement** necessary





ZBW Leibniz-Informationszentrum Wirtschaft
Leibniz Information Centre for Economics

Leibniz-Gemeinschaft

Meet the EOSC Community

Further Information

EOSC Implementation Macro-Roadmap

EOSC Implementation Macro-Roadmap launched during the EOSC Symposium 2023 - EOSC Association

Interactive visualisation of EOSC Macro-Roadmap

The Macro-Roadmap - EOSC Association

Funded EOSC EU Projects

Horizon Europe Projects - EOSC Association

Further Information

EOSC post-2027 planning

EOSC governance meets to advance post-2027 planning - EOSC Association

Position Paper on the Node Concept

20231112-Short-paper-on-the-EOSC-Federation-draft-v3.pdf

Fact sheet on EOSC Procurement

European Open Science Cloud (EOSC) - factsheet on procurement | Shaping Europe’s digital future (europa.eu)

Further Information

Details on the Procurement

European Open Science Cloud (EOSC) | Shaping Europe’s digital future (europa.eu)

Announcement of the winners of the EOSC Procurement

The Commission announces winners of the EOSC Procurement | Shaping Europe’s digital future (europa.eu)

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