



# GÉANT CTO Workshop - Input

27<sup>th</sup> September 2023, Virtual

# Objective

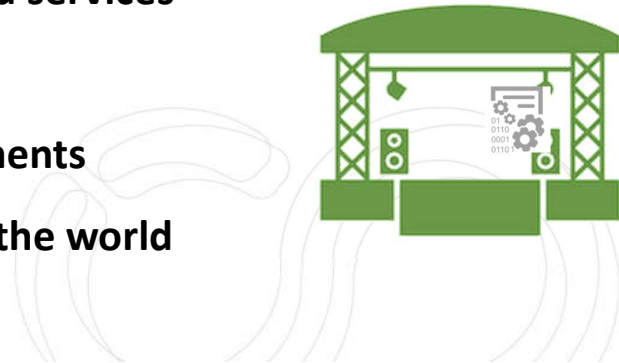
- Provide first input to discuss collective NREN actions (GÉANT & the NRENs) in the context of EOSC / Sharing of Research Data.
- Very briefly introduce EOSC & concept of EOSC - Nodes

# EOSC – High level



## “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**
- **Based on the FAIR principles**
- **Meeting all European data requirements**
- **In interaction with other regions of the world**



5 September 2023 by EOSC-A

# EOSC – Current Status

- **2024 will be ‘the year of the design and initial deployment of the EOSC Federation’.**
- The EOSC EU node is not a master node, but a reference node.
- A minimum set of requirements will have to be defined to enable an inclusive EOSC Federation.
- The **EOSC Federation will include multiple nodes**, each country and thematic community will discuss the best set-up.
- The **countries will have a key role** in the post-2027 decision-making process.
- **EOSC does not operate in isolation**: initiatives like data spaces, Destination Earth and EDICs will offer potential opportunities for synergies and joint developments with EOSC.

# EOSC – EC Procurement

## EC public procurement Managed Services for the European Open Science Cloud platform

### Status update

- 4 May 2022: Prior Information Notice
- 4 May to 5 August 2022: Open Market Consultation (3 months)
- 20 December 2022: Tender Publication
- 2 May 2023: Submission of Initial Tender Response for Dialogue
- May to July 2023: Dialogue Stage (9 weeks)
- 28 July 2023: Final invitation to tender
- 7 September 2023: Final submission
- Ongoing: Evaluation (to be followed by contract signatures by the end of this year)

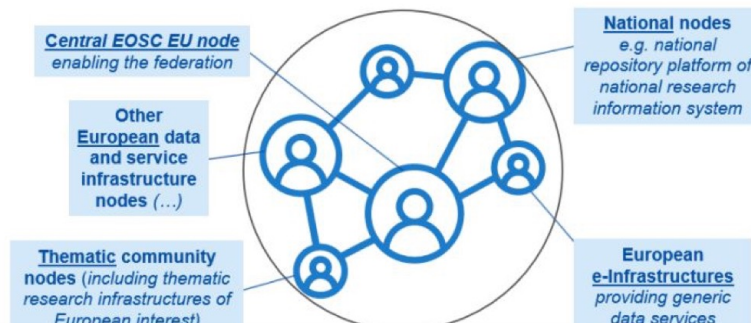
### Procurement Lot Structure

- 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

The **EOSC EU node**  
should provide  
from next year onwards  
core functionalities  
enabling the **EOSC federation**

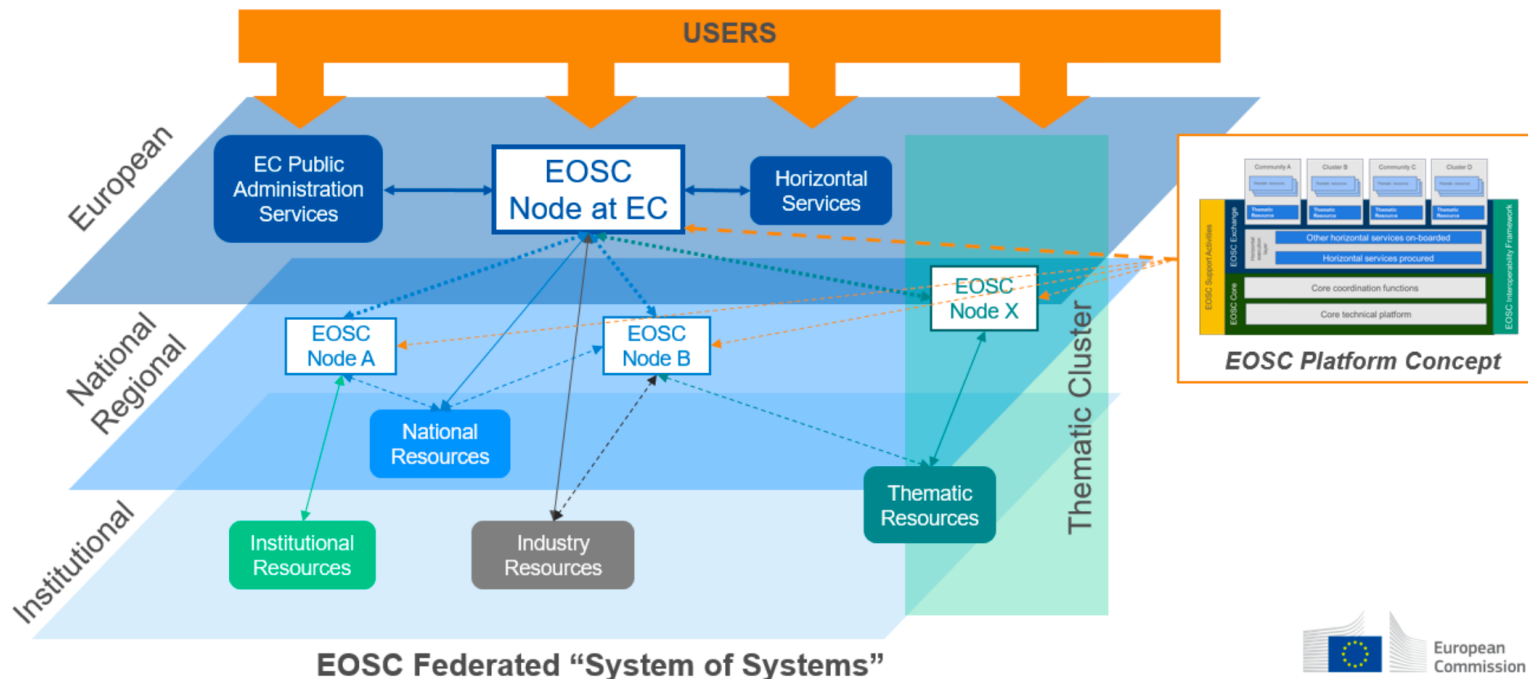
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Michel Schouppe, DG RTD

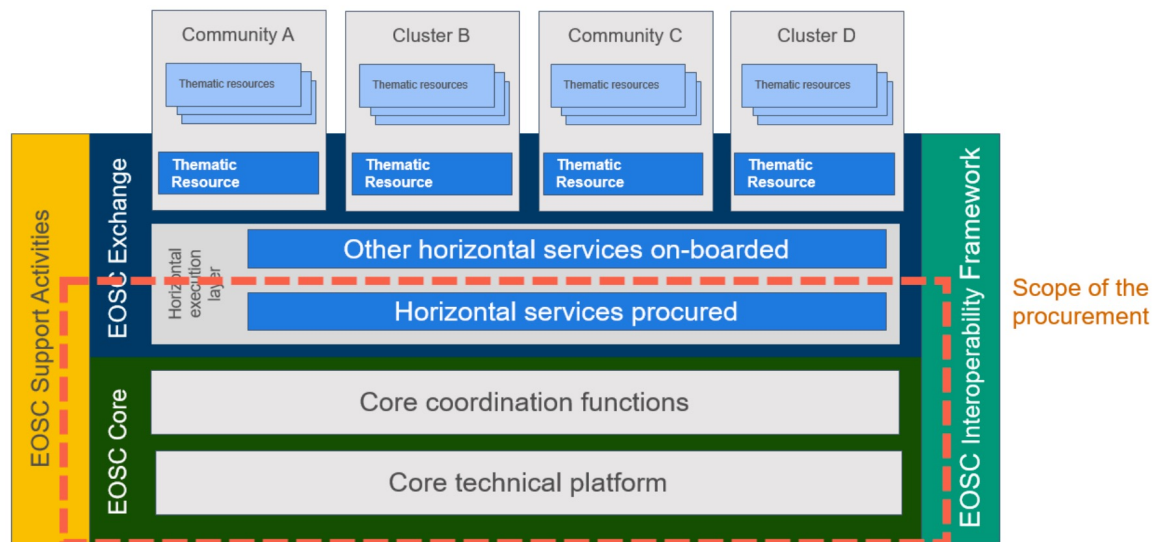


# EOSC – EOSC Nodes

**EOSC Node at the European level (EC) to be procured**



# EOSC – EOSC Nodes



- EOSC-A collected input from EOSC Mandated Organisations (and thus a lot of NRENs), ESFRI & through the EOSC-Symposium Unconference (organised with GÉANT and SWITCH).
- The concept of a Node remains **F!u-ZzY©**, plenty of discussion are ongoing.
- This fuzziness likely vanishes once implementation starts in 2024.
- The time to provide inputs (and position NRENs) to EC and winning parties of procurement is now.



# EOSC & the NRENs

- What are the NRENs doing here?
- A GÉANT Working Group on EOSC Nodes / Federation drafted a **Positioning Paper**.
- Positioning paper is a **good basis to concretise collective actions**.

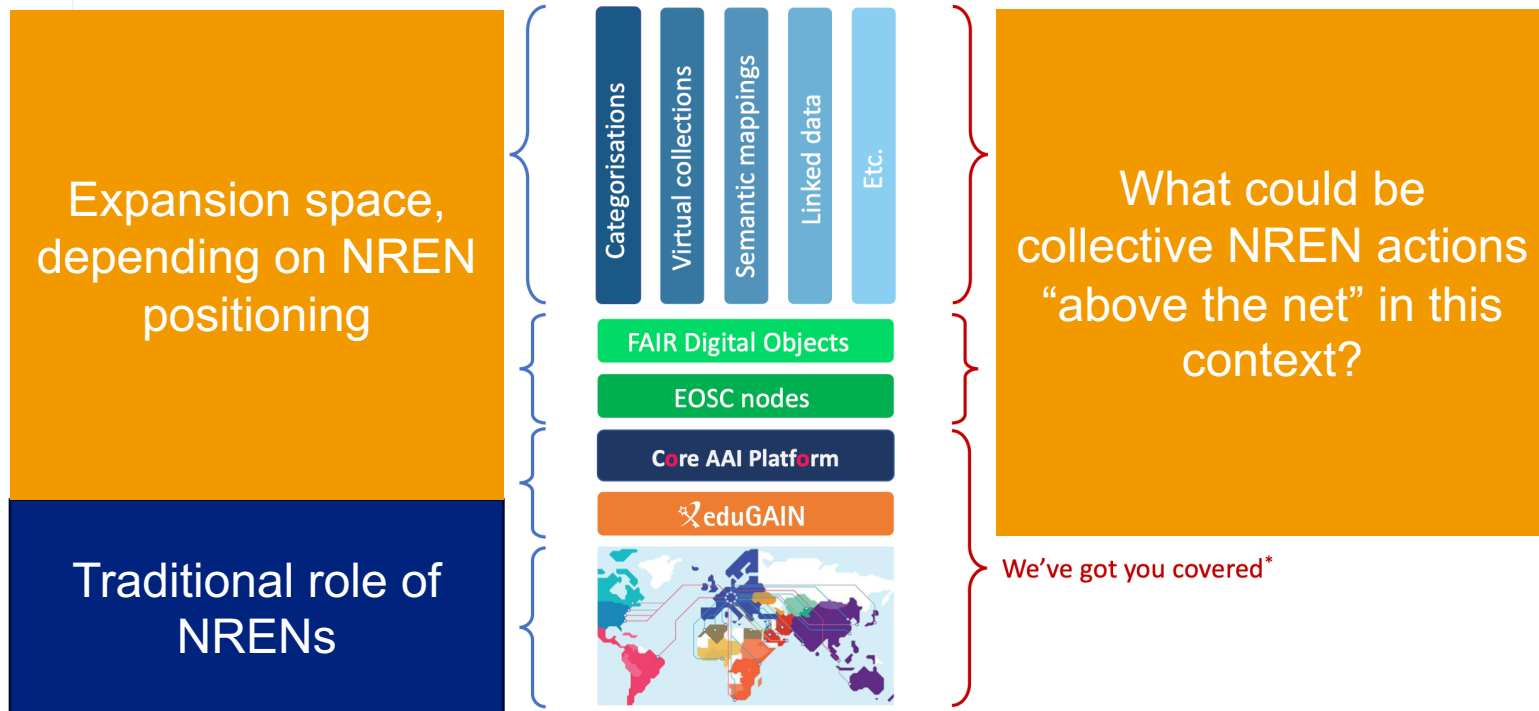
→ But on what topics exactly?



The screenshot shows a news article header from the GÉANT community. At the top, there is a dark blue navigation bar with the text 'CONNECT ONLINE' and a search icon. Below the navigation bar, the article title is 'GÉANT publishes EOSC Nodes position paper on behalf of community', with a sub-header 'Community News • EOSC • Featured • Open Science' and a timestamp '1 week ago'. The main content area displays the GÉANT logo (with the tagline 'Networks • Services • People') and the EOSC logo.



# EOSC & the NRENs



\* yes, we will support SIMPL when available

Erik Huizer, GÉANT at EOSC Symposium

# Collective NREN actions?

## We all know where it is beneficial to work collectively...

→ Add value by sharing costs, resources, competencies, bargaining-power etc..

## Initial ideas within this topic...

- Link future national EOSC Nodes (ca. 50% NRENs are mandated organisations)?
- Establish an EOSC GÉANT Node (e.g. with resources from GÉANT)?
- Share existing NREN Services for upcoming EOSC Nodes?
- Sharing competencies to support organisations becoming future EOSC Nodes?
- Sharing of NREN Data Infrastructure, Metadata & Services > AI?
- Sharing of relevant training material regarding to EOSC (e.g. Data Stewardship)?
- Collectively procure additional commercial services for EOSC Nodes?
- Collectively establish connections to non-research Data Spaces (e.g. Health etc.)?
- Expand AAI to handle personalised use within research?

## What is needed?

→ GÉANT & NRENs defining highly-relevant collective actions in this topic area.

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