



# EOSC Nodes to tie the whole eScience community

GÉANT Community reflections on the EOSC Nodes

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eIRG Meeting

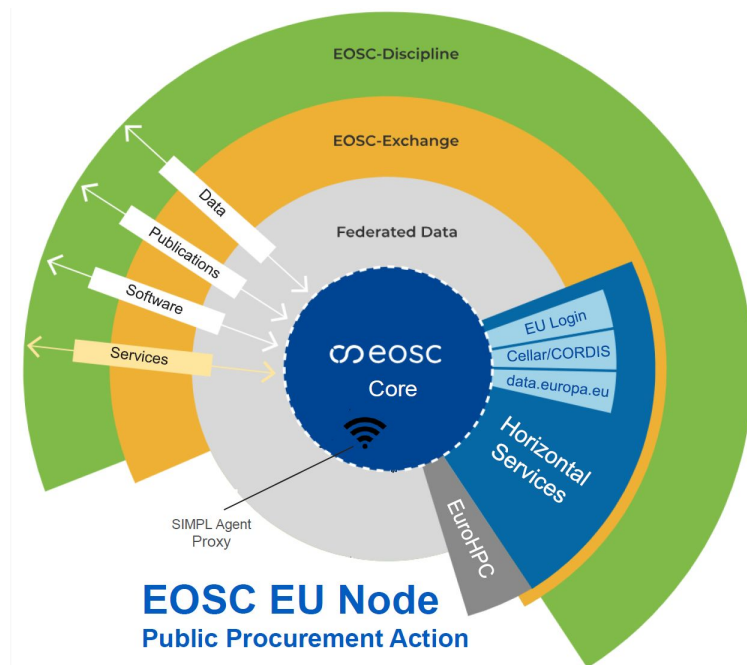
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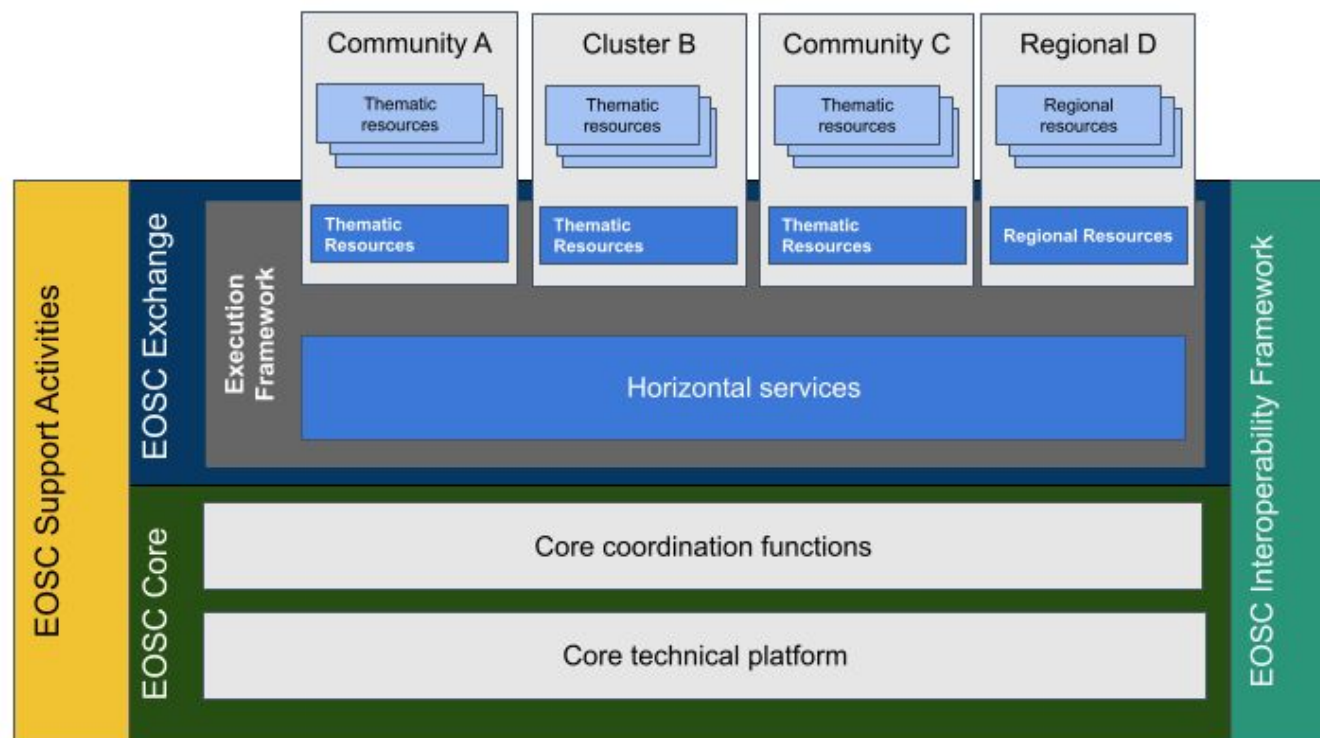
## EOSC Node...a (not so) new term in the EOSC universe

The EOSC Node (re)introduced:

- EOSC is **the federation fabric** for the **EOSC Nodes**, enabling them to interoperate, share resources and facilitate their discovery, access and composability
- Each node of this network may be *“a full implementation of the EOSC Platform concept”*, a **federation of providers, resources and/or users** with its autonomy, an own governance model and a well-defined offer in terms of services and resources
- There will be an EU EOSC Node to provide the capabilities to enable the EOSC to work smoothly

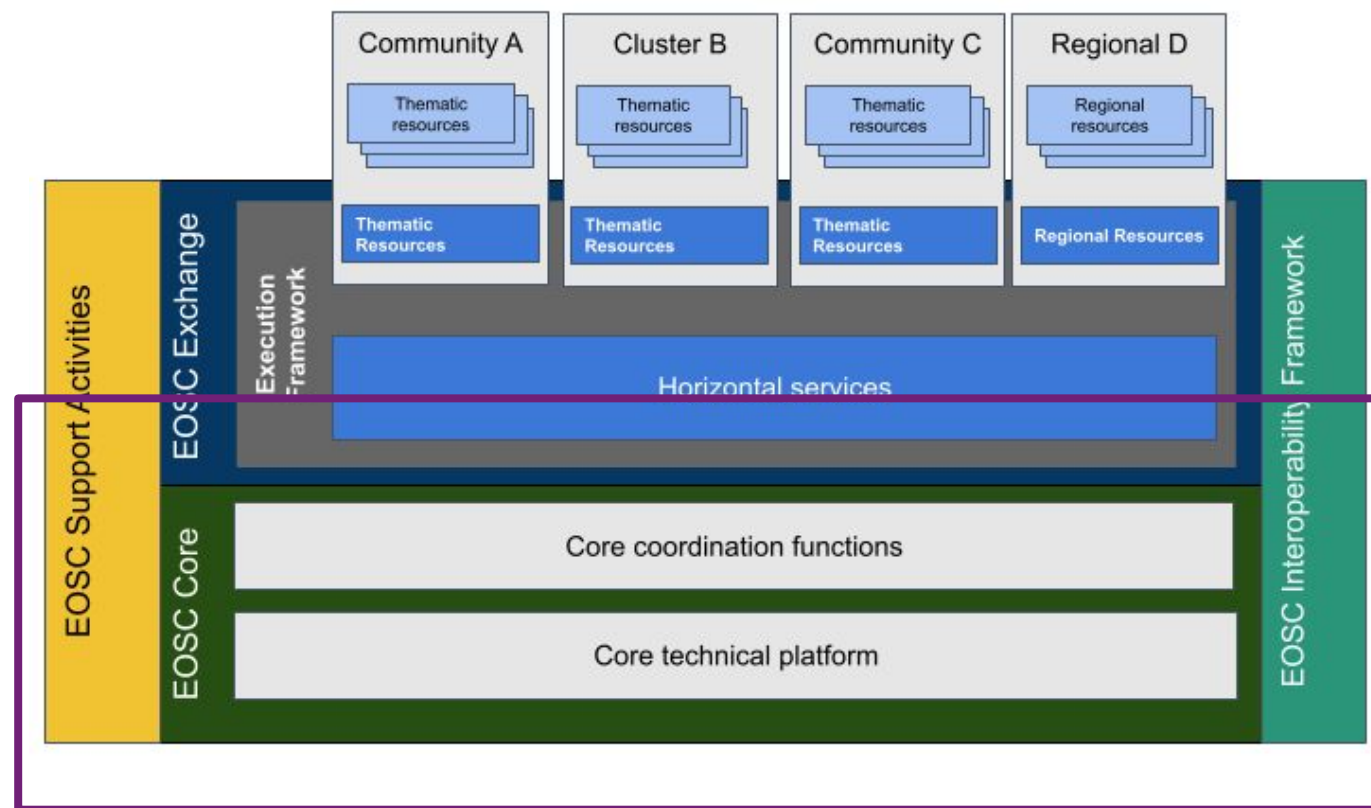


# Mapping the EU node to the EOSC Platform Architecture



EOSC High level architecture

## Mapping the EU node to the EOSC Platform Architecture



The procurement will implement the EU EOSC Node:

- Or in other words the 'the federating element of the MvE' and some horizontal services

# GÉANT and the NRENs Position Paper on the EOSC Node

## WHAT

A position paper published during the summer that includes guiding principles for the delivery of EOSC Nodes

## WHY

To ensure EOSC Nodes empowers researchers, build on existing delivery channels and to stress that NRENs can play an important role

## WHOM

The paper collects the view of the GÉANT Community that forms a large proportion of mandated organisations of EOSC



[NRENs Position Paper](#)

## EOSC as a **federated environment** of nodes

The **strength** of a federated environment is in the trust all members share.

**Control** is distributed across members based on agreed policies

EOSC Nodes should be **loosely coupled** to the EOSC EU node (no Master Node) and independently governed

Beside EU nodes, **regional, thematic, national nodes** will be created (some already exists)



## GÉANT Community is supportive of the EOSC Node



A set of guiding principles are proposed in the paper with the aim to ensure the continuation of EOSC as a research community-centred initiative

## The GÉANT Community guiding principles

### **Prefer existing delivery models**

Nodes should follow existing (or planned) delivery channels to deliver resources

### **Community Driven Policies**

Policies across all the EOSC nodes should include all operators of the EOSC nodes and be consensus based

### **Full advantage of the federated model**

GÉANT community has extensive experience in building large scale federated infrastructures that can be reusable



## The GÉANT Community guiding principles

### **Subsidiarity**

Nodes should comply with the agreed policy and technical framework, which should be enforced locally

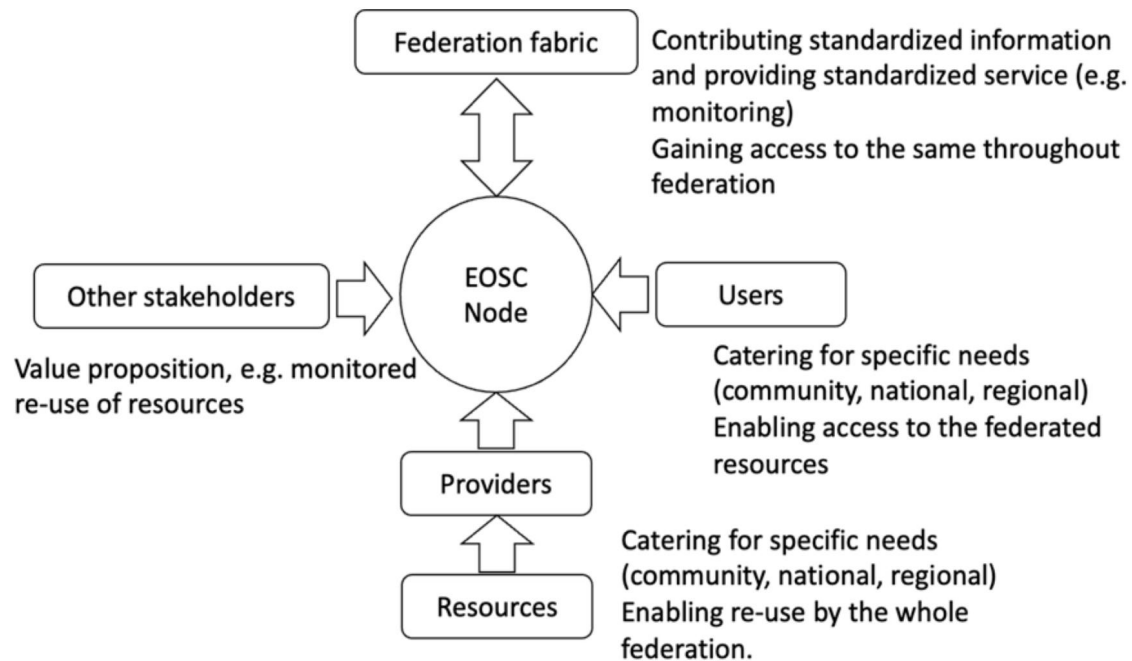
### **Add value for users**

All nodes should provide a consistent entry point into the EOSC federated environment to make resources available in EOSC and to find them easier

### **Funding**

The operations of EOSC nodes should be properly resourced via dedicated funding

## To conclude EOSC nodes can fulfill the EOSC potential



*From the "GÉANT Community position paper on EOSC Nodes"*

Nodes should **make it easier to connect** users to resources following existing delivery channels.

A **baseline** should be agreed to ensure interoperability across nodes.

The **governance** should include the representatives of all nodes and be driven by consensus.

NRENs look forward to contribute.



# Thank You

Any questions?

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