



EOSC EU Node

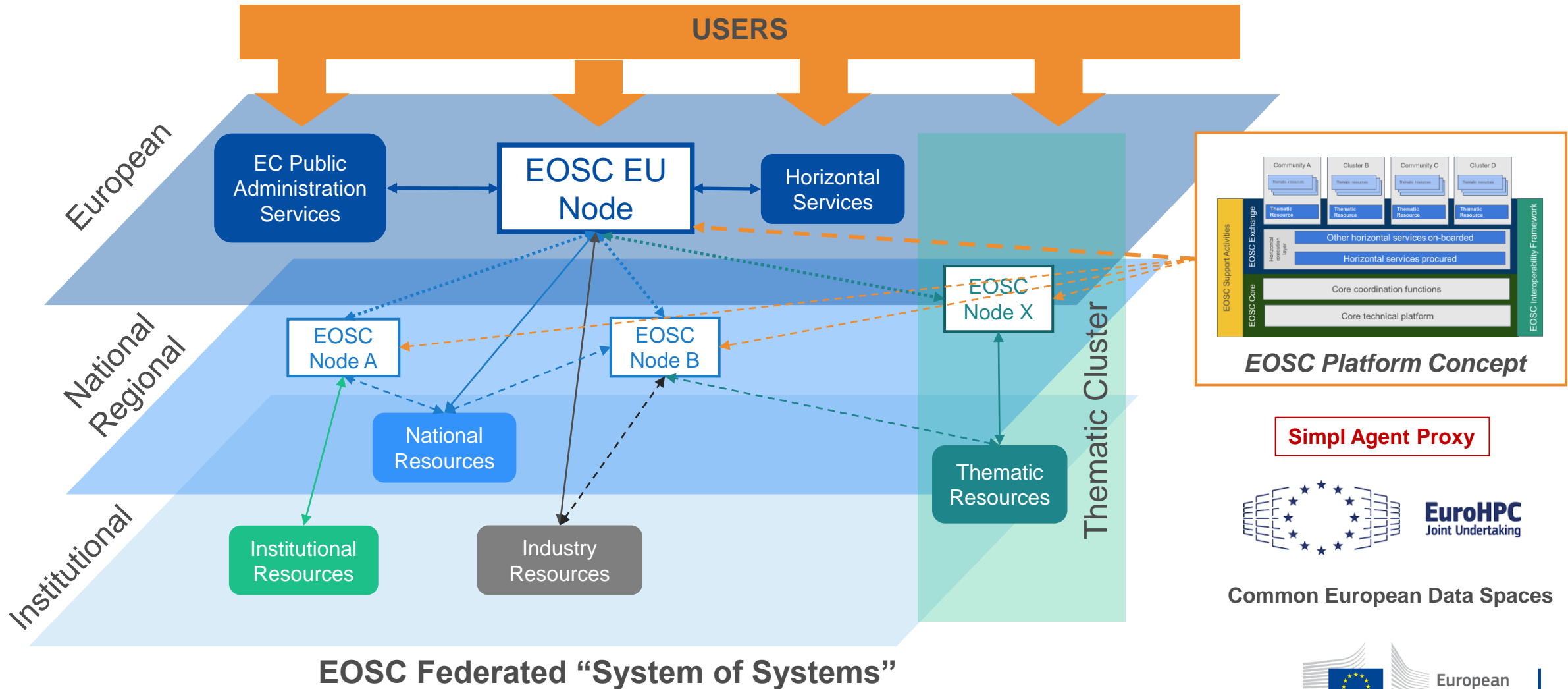
A Comprehensive Overview

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EOSC EU Node - Characteristics

- **European level multi-disciplinary and multi-national** scientific data/service portfolio for all research users (eduGAIN) and citizen scientists (EU Login/eIDAS)
- **For now, owned by the EC** and governed by the EOSC Tripartite Governance (EC, EOSC-A, MS/AC) Future ownership is under discussion.
- **Operated and maintained 24/7** by contracted third-parties (result of the EOSC Procurement Action) in production
 - **SIMPL Agent proxy** to connect to other industrial Data Spaces
 - **EuroHPC resources** may be offered to the EOSC Federation
- **Open concept: National, regional and/or thematic** service providers as well as autonomous EOSC Nodes can connect to the federation (established interoperability frameworks and policies)

EOSC EU Node – Federation Approach



EOSC EU Node - Planned Timeline and Milestones

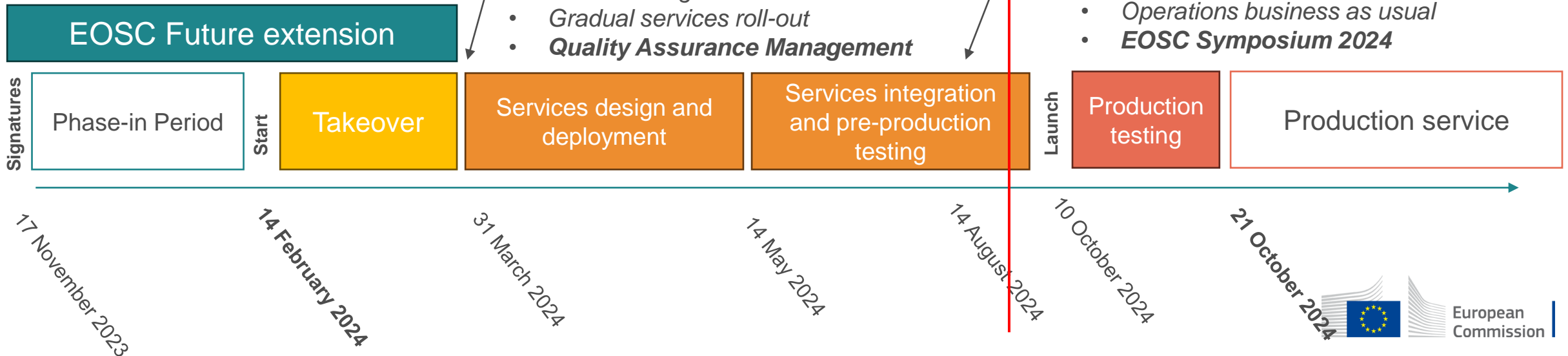
- *Planning and architecting of service components*
- *Compliances and approvals (EC IT Governance)*
- *Definition of policies (RoP, AUP, AP)*
- *Production launch of the EOSC EU Node web front-office*

- *Handover of relevant EOSC Portal functionalities (specs, software, IPO, etc.)*
- *Managing expectations of all stakeholders (providers, users, etc.)*

- *Full integration testing of core and exchange services*
- *Integration of EC services (ORE, ODP, CORDIS/Cellar)*
- *Onboarding of flagships to EOSC EU Node*

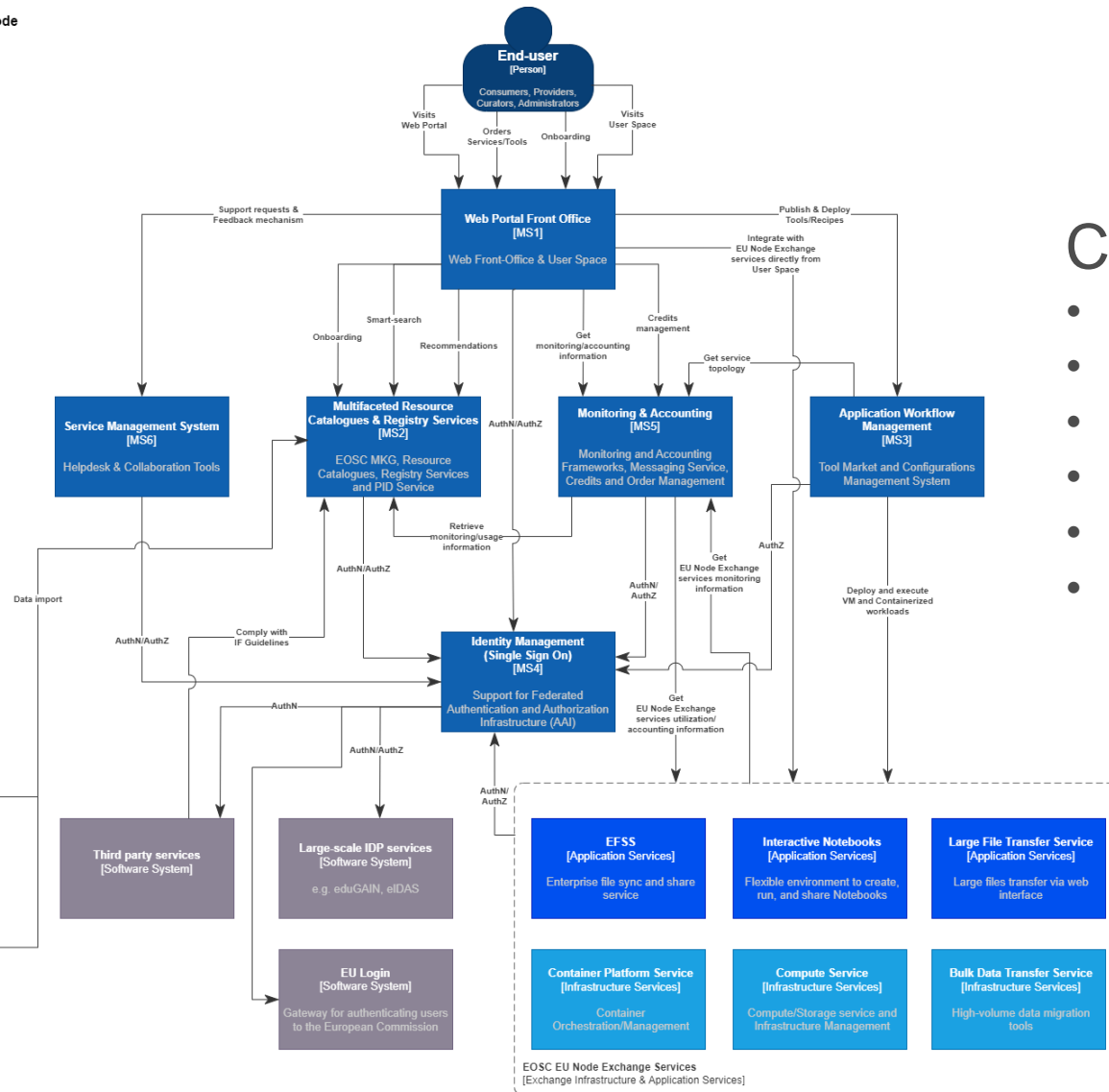
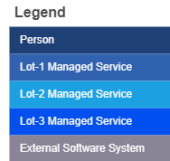
- *Deployments and staging of core/exchange functionalities*
- *Gradual services roll-out*
- **Quality Assurance Management**

- *Pre-production and production testing*
- *First user experiences*
- *Operations business as usual*
- **EOSC Symposium 2024**



EOSC EU Node – Architecture and Features

[System Landscape] EU Node
Conceptual view



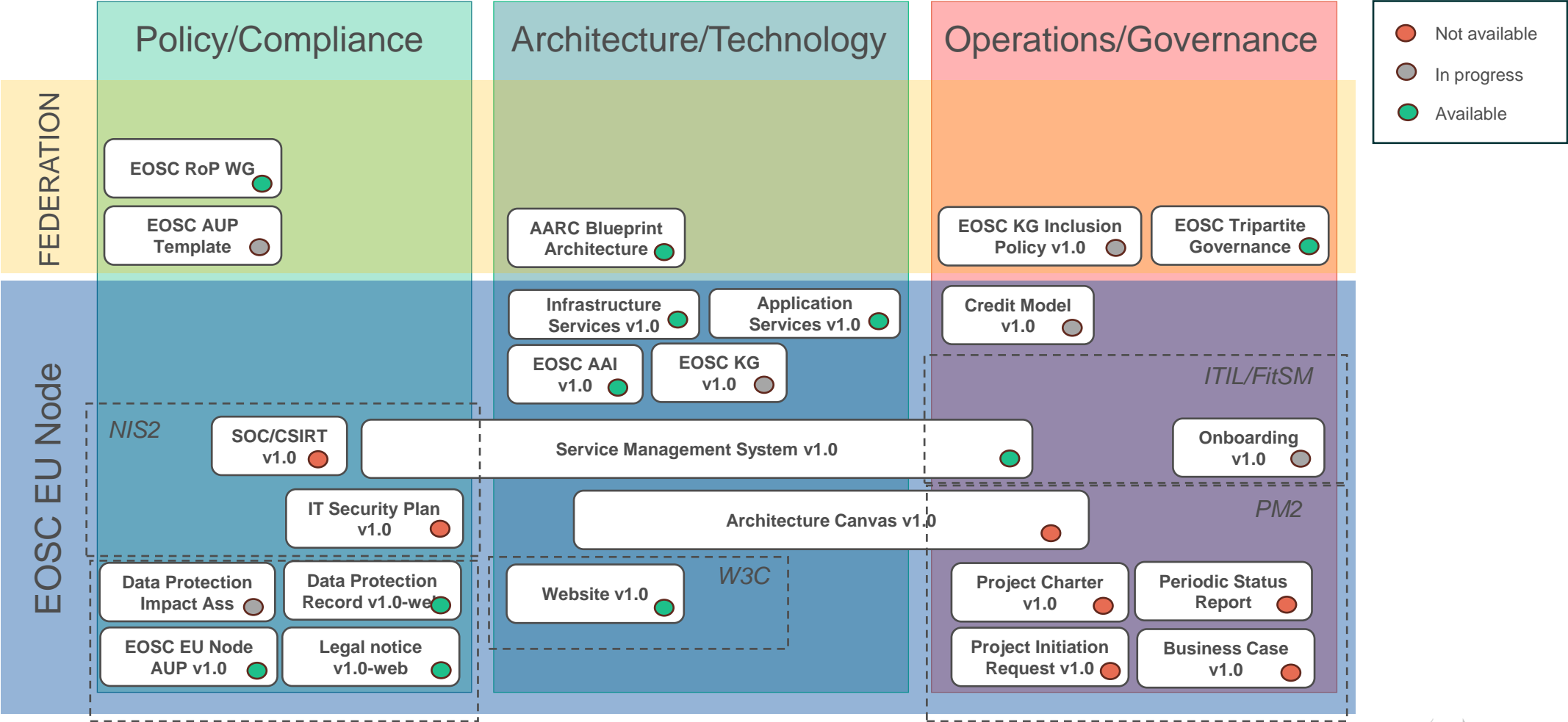
Core Federating Capabilities

- User Space
- Identity Management
- Resource Catalogues and Registry Services
- Application Workflow Management
- Monitoring and Accounting
- Service Management System (incl. Helpdesk)

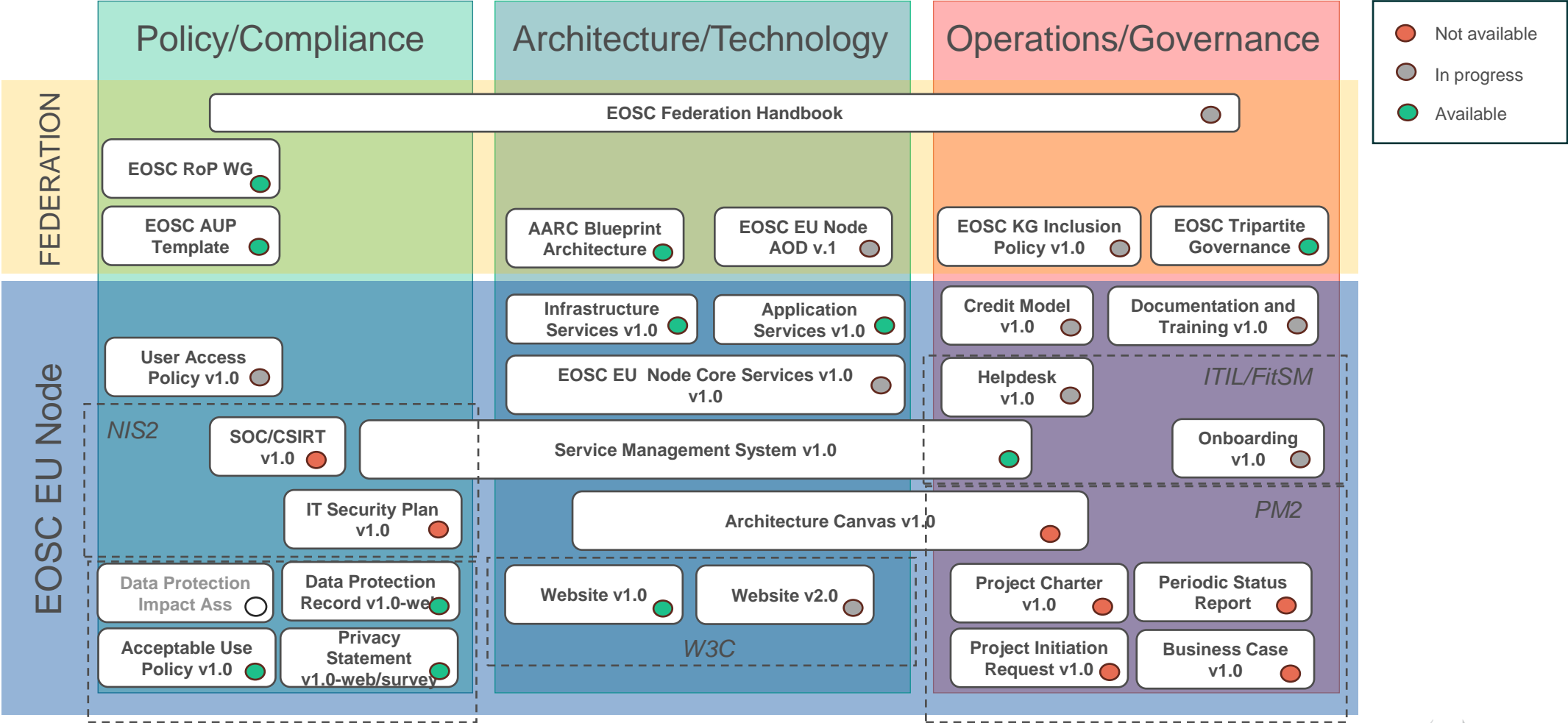
Data Management and Infrastructure Services

- File Sync and Share
- Interactive Notebooks
- Large File Transfer
- Compute/Storage
- Containers
- Bulk Data Transfer

EOSC EU Node Available artefacts – June 2024



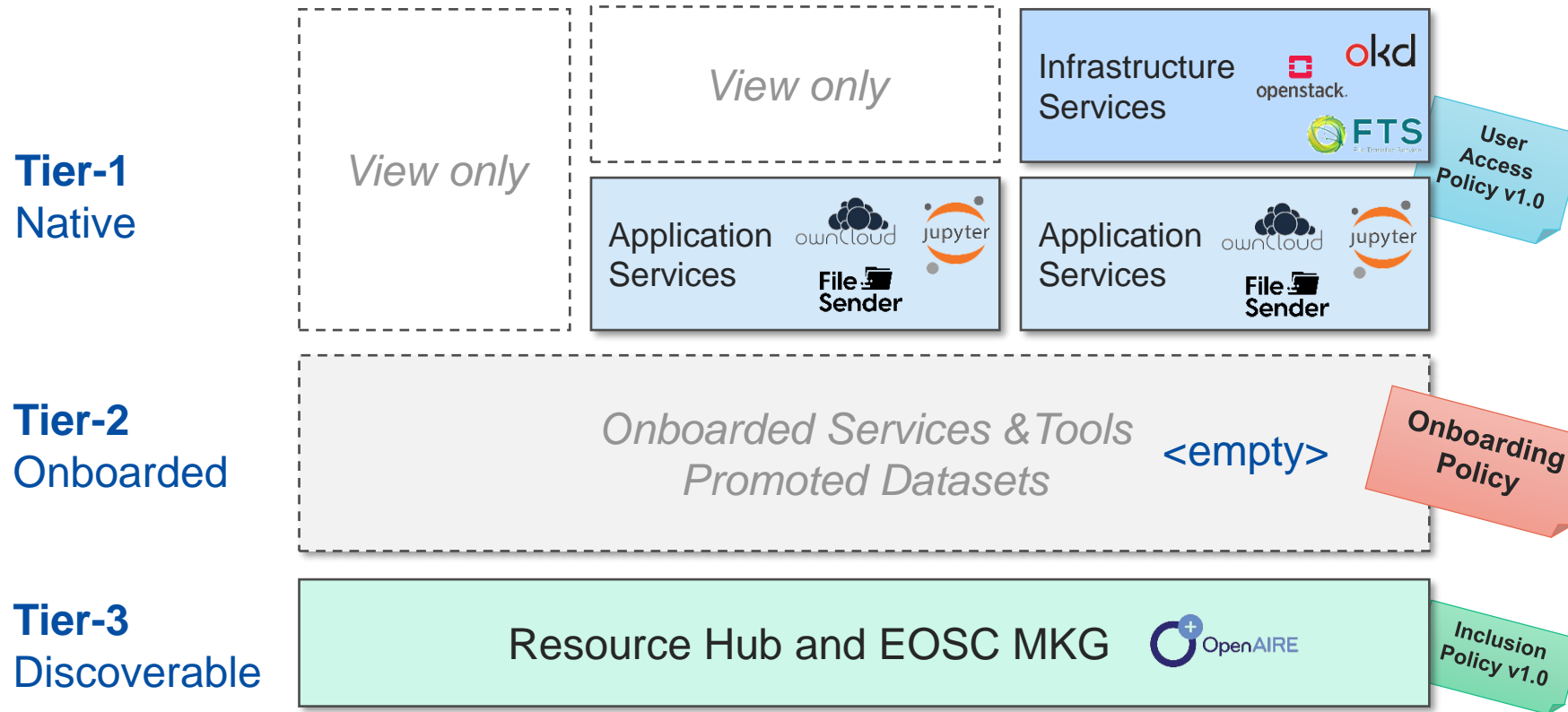
EOSC EU Node Available artefacts – Sep 2024



- Not available
- In progress
- Available

EOSC EU Node – New concepts...

Contributor Tiers



Services procured for the EOSC EU Node

ORDERING FUNCTION FOR GATED RESOURCES

Planned to be open in November 2024

Virtual credits and access model

ATTRIBUTE-BASED AAA

AP-A
View only

AP-A1
100 Credits

AP-B
500/1000 Credits

Access Policy Groups

Stay tuned...

- EOSC EU Node Technical Launch Event – Live streaming

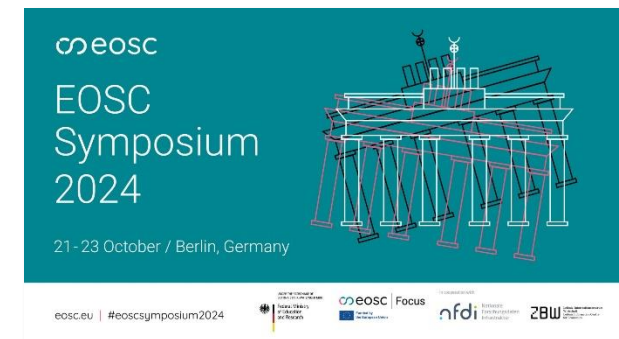
10 October 2024 at 9.30-13.00 CEST

<https://open-science-cloud.ec.europa.eu/events/eosc-eu-node-technical-launch-event>

- EOSC Symposium 2024 – Open for Researchers

21-23 October 2024 in Berlin, Germany

<https://eosc.eu/symposium2024/>



Thank you!