

EOSC EU Node

Gateway to Open Science

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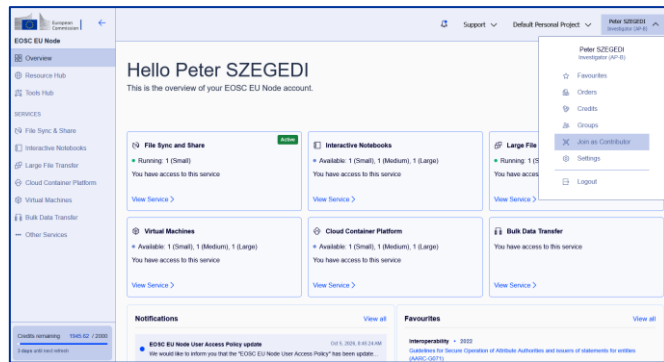
EOSC EU Node

Reference node and Hub for the federation

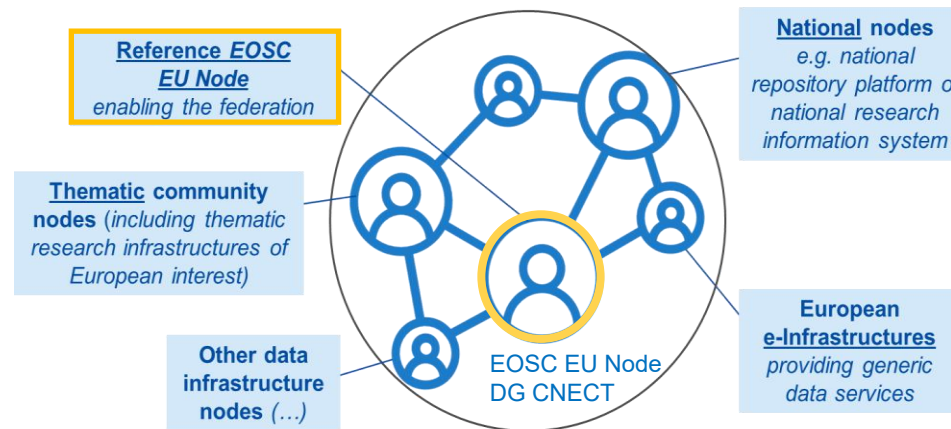
Europe's trusted entry point to the European Open Science Cloud (EOSC)

- Access high-value FAIR European research data, services, and infrastructure resources (e.g., *EuroHPC Federation, AI Factories, Research Infrastructures*)
- Enables cross-border, cross-discipline scientific collaboration at scale
- Built on **interoperability, sovereignty, trust**, and open science principles

EOSC EU Node - User Space



Core node of the EOSC Federation



Impact at a glance

- Pan-European federated platform potentially serving **2 million researchers** in Europe and beyond
- Rapid user adoption and growing service ecosystem
- Strategic policy impact: ERA Policy Action, Data Union Strategy, AI Continent Action Plan
- Used by Commission internal services (*CNECT, RTD, JRC, others...*)

EOSC EU Node

Your Gateway to Open Science

- ❑ 60k visitors, 6300 users
- ❑ 190M research products
- ❑ 14 nodes offering 24 data sources and 124 services

A one-stop shop
to discover, use, build and share
your data-driven and open research.

Offered by the European Commission



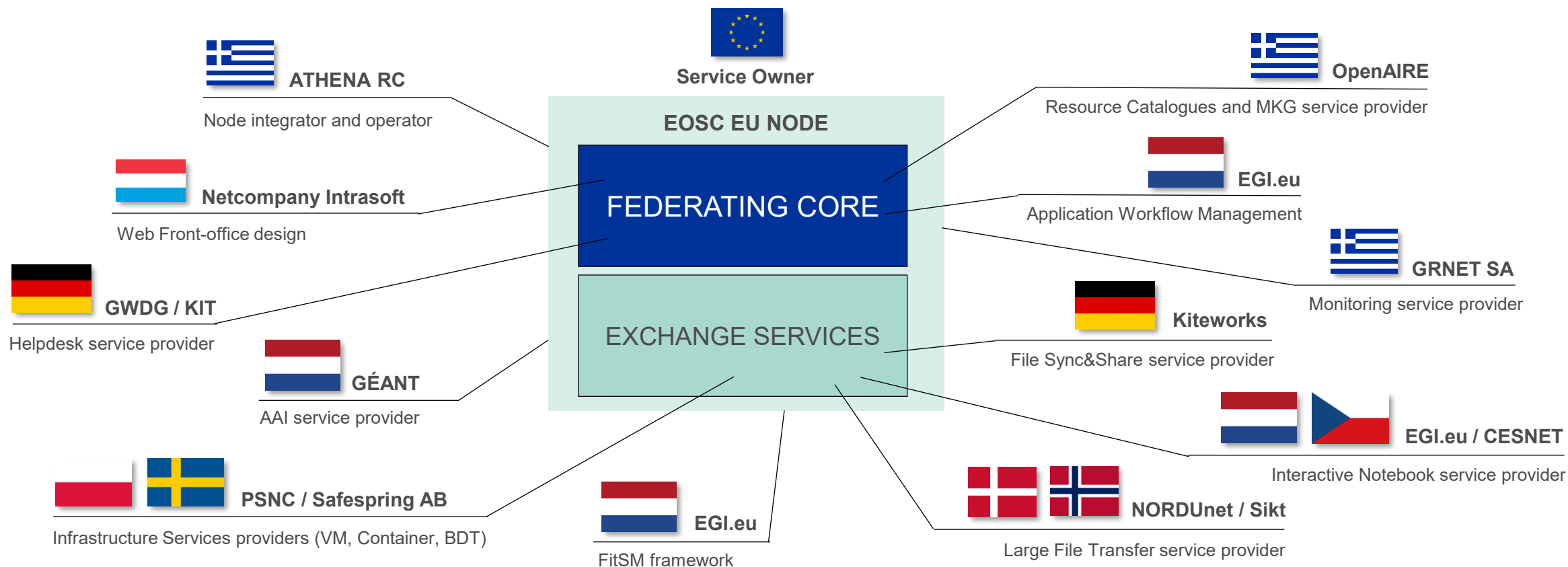
EOSC Platform's value proposition

- **Initial investment** by DG CNECT (30M Euro procurement for 3 years) to kick-start the EOSC Federation
- **Core Node of the federation** as a Data Space, providing a blueprint / reference implementation for nodes to be established, enabling national and thematic nodes to enrol into the EOSC Federation
- **Operational example** for other Data Spaces to be established and ignited, interest by Education, Cultural Heritage, Health, Green Deal...
- **Successful scientific/research platform** for end-users, steady growth of usage, recognized by MS/AC as well as EC internal services (RTD, JRC, OP and also CLIMA, SANTE, ENR)

- **Open:** Inclusive access policies for data and services
- **Trusted:** Single identity for authentication and catalogue of curated research outcomes
- **User-centric:** No committees or institutional boards
- **Transparent:** Automated authorization and virtual credit management
- **Collaborative:** Productivity tools and infrastructure services
- **Production-grade:** ITSM-based standard operations and helpdesk support



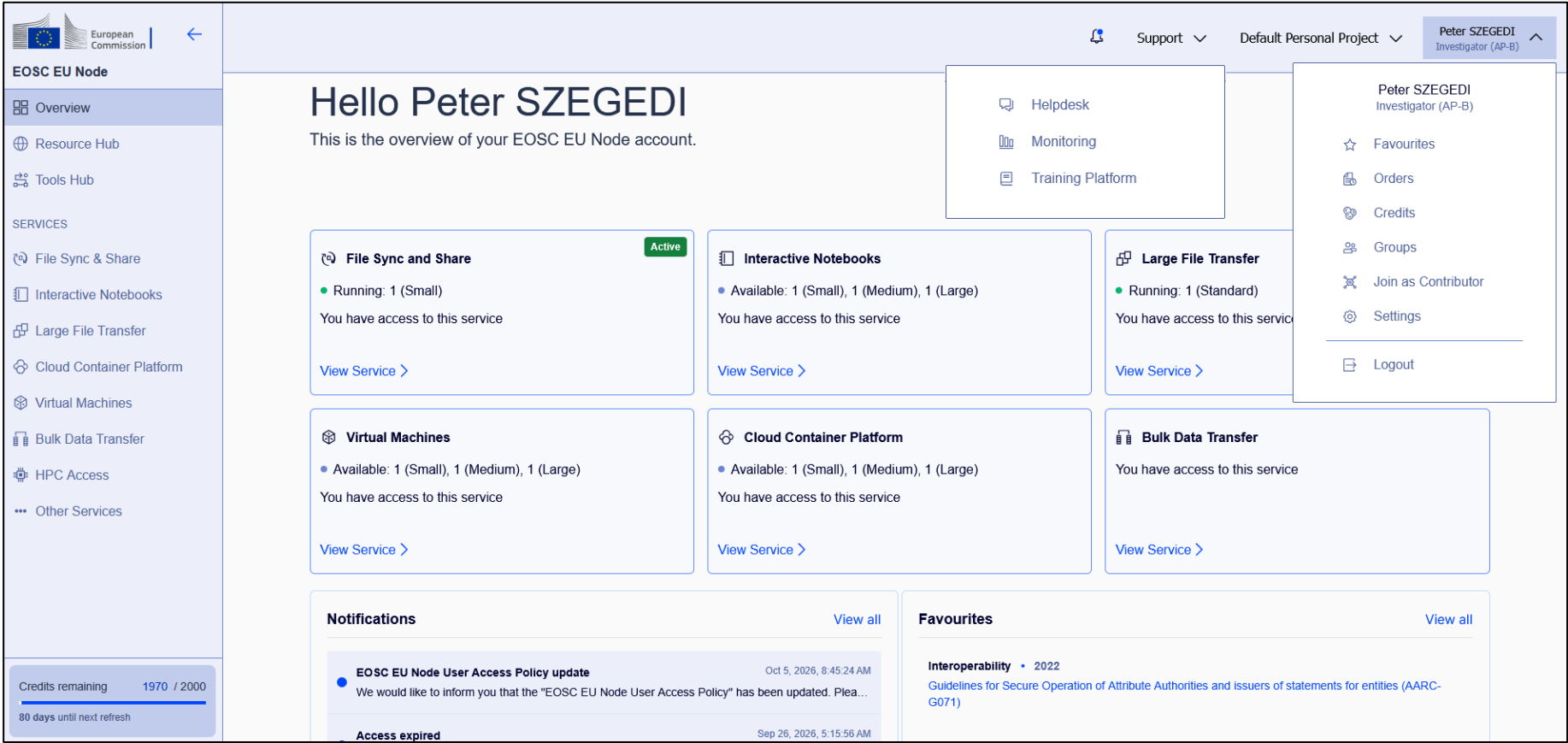
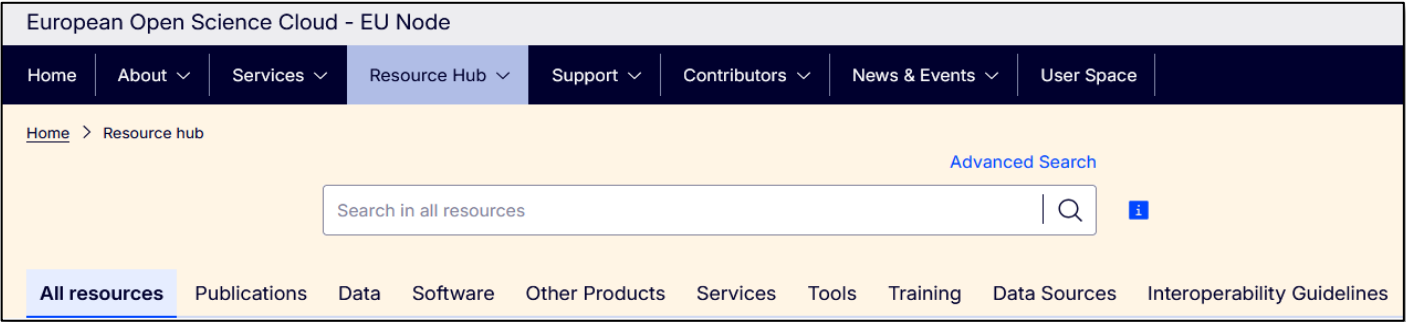
EOSC EU Node



OPERATIONAL FEDERATION



EOSC EU Node – Resource Hub and User Space



Evolution and take-up

Brussels - 2025

- **New UX/UI** and User Access Policy updates
- **More virtual credits** to all policy groups
- **Medium T-shirt** increased to 16 vCPUs with 64 GB RAM
- **File Sync & Share** (ownCloud) service is perpetual
- **Credit Vouchers** EC-funded projects are entitled to one-time credit top-up of 40k Credits
- **Open-source** architecture and software code

Florance - 2026

- **Large T-shirt** increased to 64 vCPU, 128GB RAM, 1 GPU
- **Infrastructure features:** Self-managed Kubernetes Cluster, HA SQL cluster (DBaaS)
- **EuroHPC Federation Platform** is onboarded
- **Jupyter Binder**, Conda Switcher, Token acquire for RTC
- **Group Spaces:** 500GB shared storage for group projects
- **Self-elevation** to Investigator; explicit MSCA support
- **Contributors Dashboard:** Nodes in the Resource Hub

Since 'Brussels' (Nov 25 – Sep 26)

+46%

registered users

x2.4

groups

x2.6

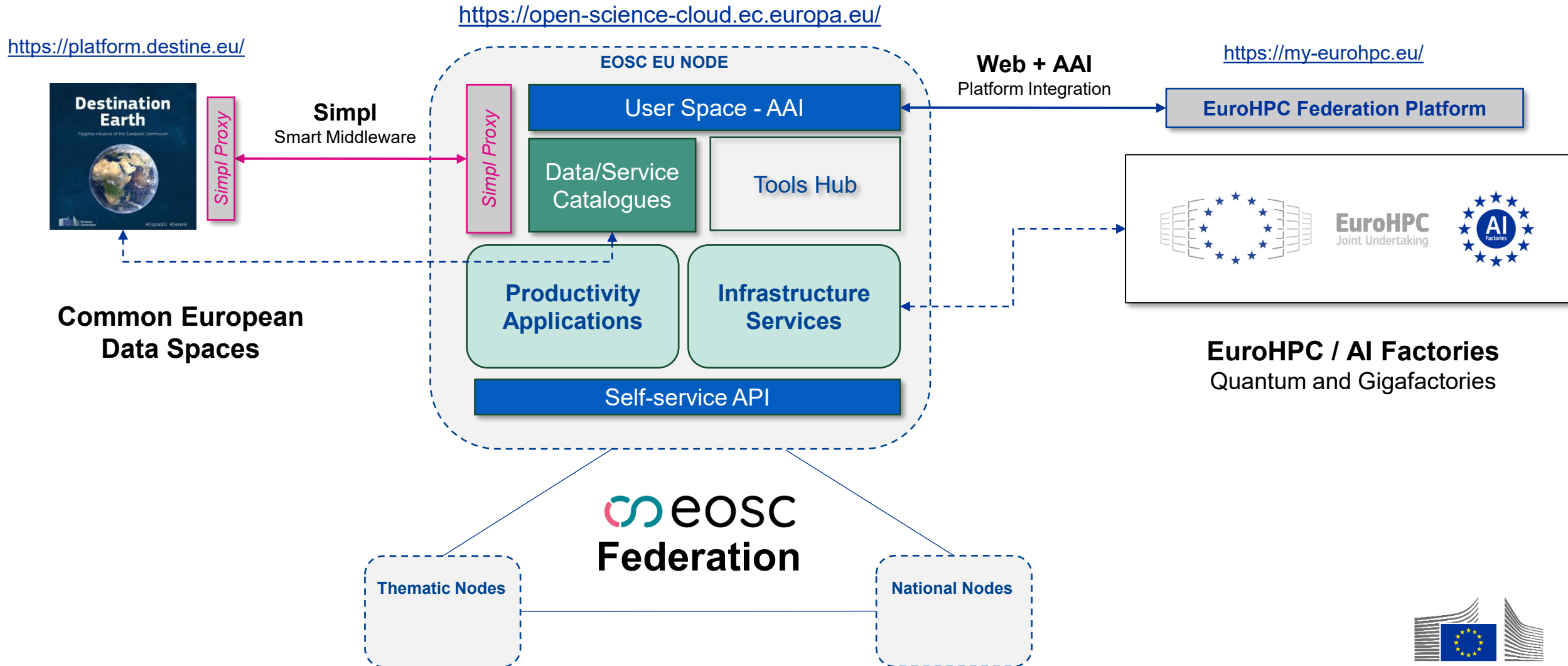
active cloud projects (VM/OKD)

x5.7

credits consumed



Gateway to EU flagships



Thank you



Peter Szegedi

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