From Blue-Cloud to the EOSC Node | European Digital Twin Ocean

Transforming marine research by providing an integrated environment built on EOSC principles.

Scan the QR Code to visit our website
blue-cloud.org

Core & generic federated services

The EOSC Node | European Digital Twin Ocean is an hybrid cloud platform, open to any user with a federated identity. It offers distributed resources via different technological and service providers that make their e-infrastructure services (computing, storage, analytics, SSO, AAI, generic services) available to the community, following data practices accepted by EOSC. The Node implements several core capabilities, as defined by the EOSC Federation Handbook, to ensure effective operation and service deliver.

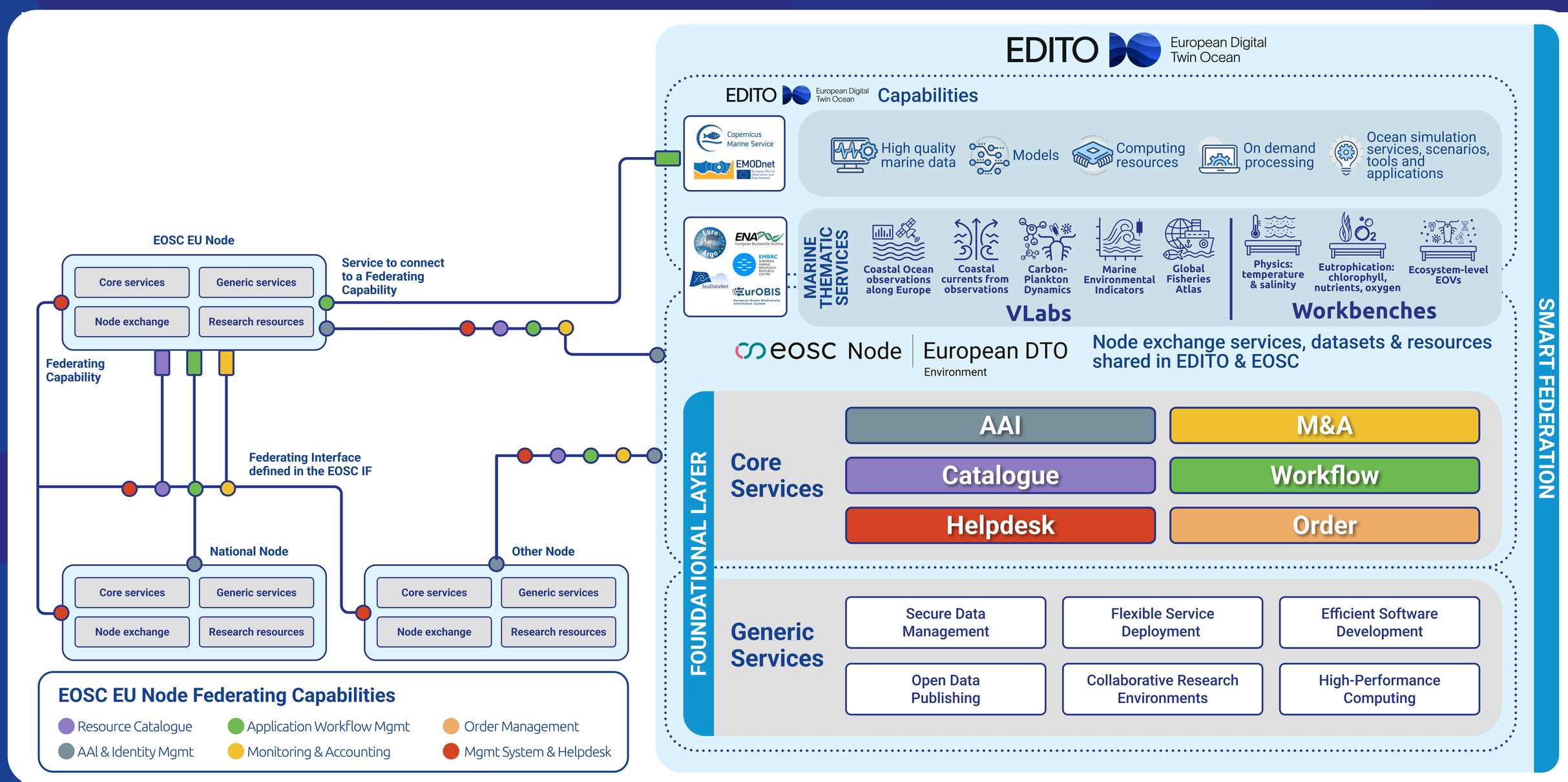
AAI | Application Workflow | Resource Catalogue | Monitoring & accounting | Order management | Helpdesk

FAIR Federate Data Services

Harmonised data collections with advanced subsetting, semantic enrichment, and provenance tracking, so researchers get exactly the data they need with full trust.

Marine Thematic Services

Virtual Labs (Vlabs) offer data products and analytical tools as real-life demonstrators for web-based open science, available for testing by research communities within the EOSC federation. The VLabs offer applications for data processing, publishing data results and managing computation routines. They also provide innovative services in the form of data products & analytical tools, showcasing the added value of web-based open science.



Blue-Cloud Training Academy

The Training Academy, in collaboration with IEEE, EuroGOOS, IODE and Ocean Teacher Global Academy from UNESCO, guides users in using services from this marine node and how to apply FAIR Data practices in marine research. Online on-demand Training Courses are available, to empower ocean scientists with comprehensive understanding and practical skills in using Vlabs running in the EOSC Node | European Digital Twin Ocean VRE.

Blue-Cloud Training Academy

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