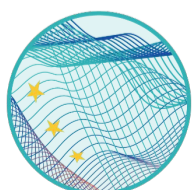
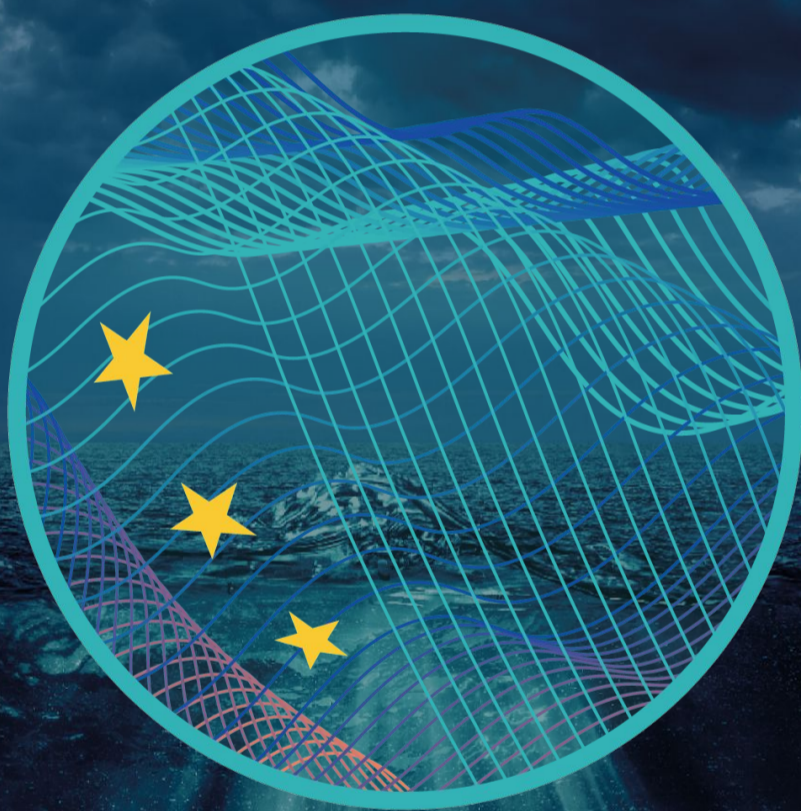


# ADVANCE MARINE RESEARCH INFRASTRUCTURES TOGETHER

Advancing EOOS, the European Ocean  
Observing System

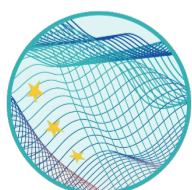
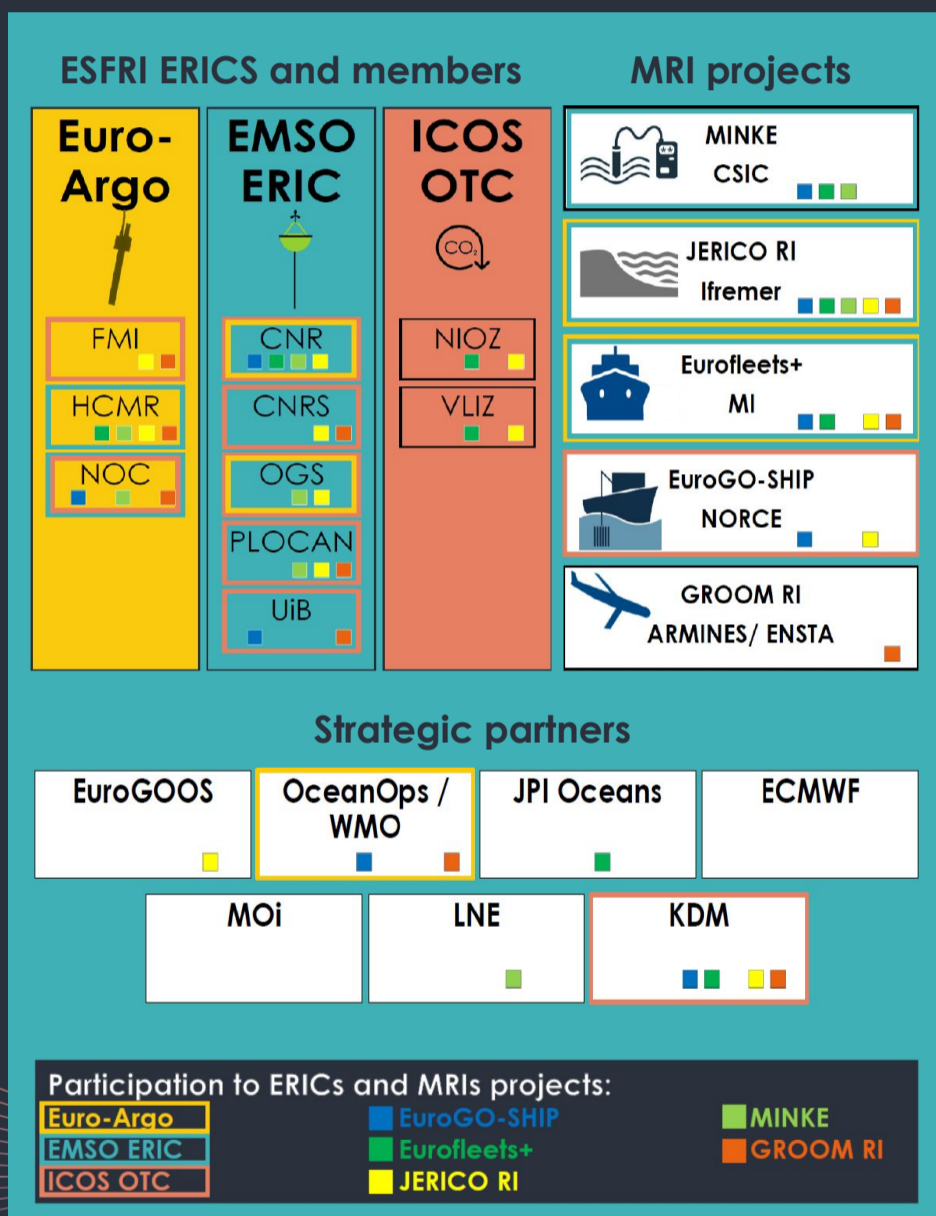


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# All AMRIT Partnership TOGETHER

- ▶ Cooperation between national and european Marine Research Infrastructures and international organisations
- ▶ Key national operators part of several Marine Research Infrastructures

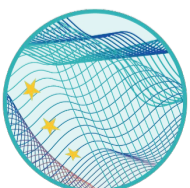
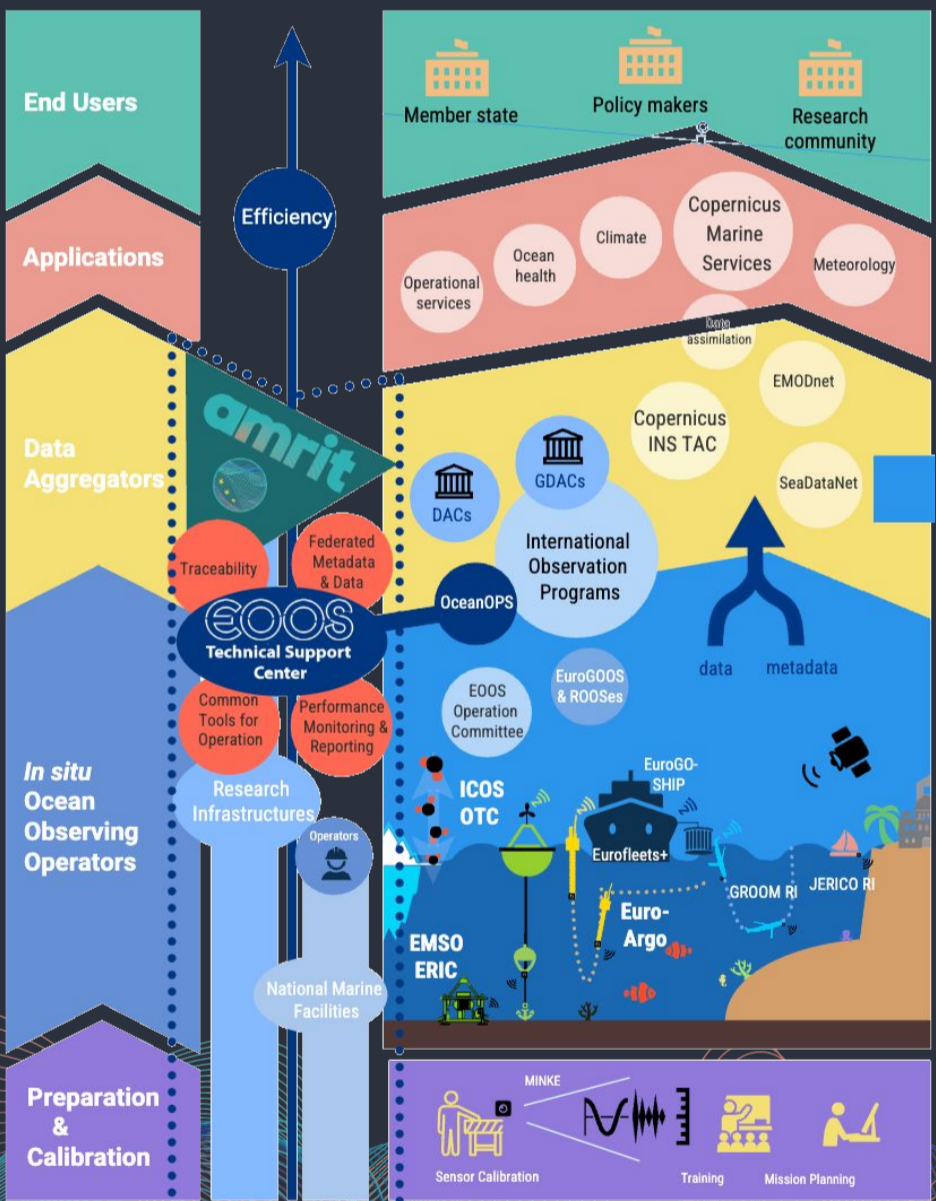


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# AMRIT main Product: The EOOS Technical Support Center

- ▶ To improve the overall data value chain and Copernicus services
- ▶ AMRIT EOOS Technical Support Centre (TSC) is the cornerstone in establishing and maintaining the EOOS
- ▶ EOOS TSC integrates the information services needed to operate sensors and platforms at sea and supports its users



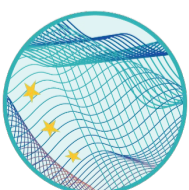
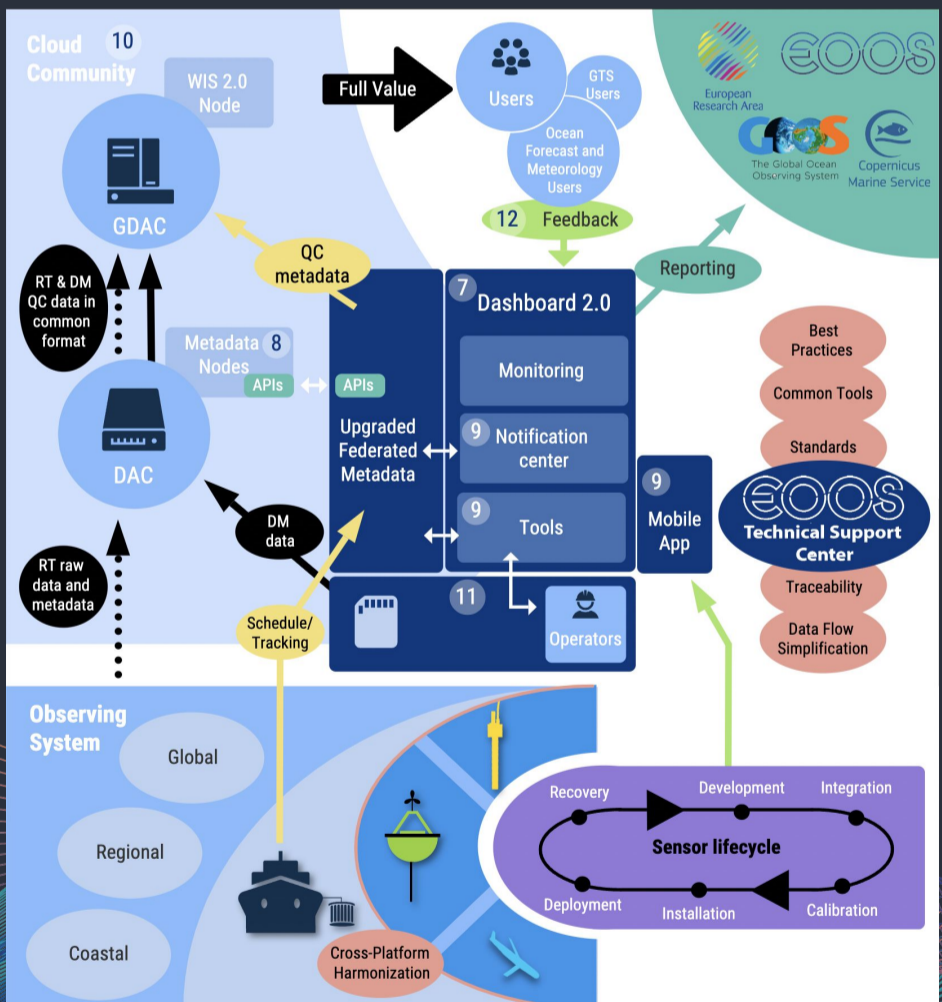
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# THE EOOS INTEGRATED DASHBOARD

- ▶ An operational dashboard for EOOS / GOOS operators and stakeholders
- ▶ Modernized data exchange towards WMO WIS 2.0 standard
- ▶ Overarching API for metadata exchange, controlled vocabulary and ontology server
- ▶ Cloud-based community platform for open-source developments
- ▶ Mobile application for flashing, registering and tracking platforms / sensors
- ▶ A multidirectional notification centre, centralising and relaying metadata, data and technical alerts

**Dashboard operated by the EOOS TSC, developed and maintained by the AMRIT Scrum Team**



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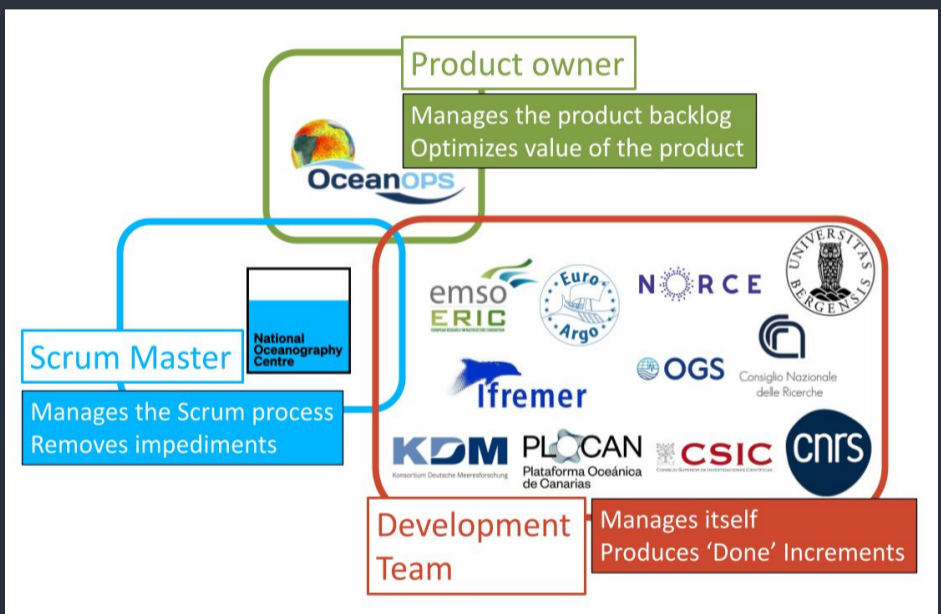
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# THE EOOS TECHNICAL SUPPORT CENTRE

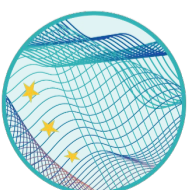
## Key services of the EOOS TSC

- ▶ A unified information service covering the full lifecycle - from planning to delivery - featuring an overarching API for metadata exchange and systematic PID allocation
- ▶ Cross-platform, standardized data acquisition services for Essential Ocean Variables, supported by a controlled vocabulary and ontology server
- ▶ An IT federation of existing and emerging services, including a cloud-based community for open-source development, supported by European Research Infrastructures

## AMRIT Scrum Team



- ▶ AMRIT brings together software developers from all Research Infrastructures to collaboratively develop, maintain, and operate open, shareable, and interoperable applications.
- ▶ Developers organize themselves into **Scrum teams** to facilitate collaboration and share their progress. The **Agile Scrum team methodology** is used for IT development within AMRIT and will continue to be applied within the EOOS TSC ecosystem.



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# BLENDED EOVS, INTEROPERABILITY, DATA PATHWAYS, IMPROVED QUALITY

**Enhancing the quality of Essential Ocean Variables (EOVs) through improved data FAIRness, quality, and quantity**

AMRIT will assess data pathways for EOVs across multiple platforms and develop a blueprint for delivering integrated EOVs datasets. This work will support the creation of global data products that combine heterogeneous data sources. Initial focus will be on a selected subset of EOVs: **temperature, oxygen, and ocean colour.**

**AMRIT WILL ADVANCE EOVS IN LINE WITH ITS 2023-2027 STRATEGY AND BEYOND, AND SUPPORT THE EUROPEAN COMMISSION'S VISION FOR SHARED RESPONSIBILITY IN OCEAN OBSERVING ACROSS EUROPE.**



SCAN HERE  
[www.amritproject.eu](http://www.amritproject.eu)



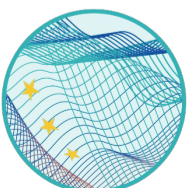
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