

eosc | Blue-Cloud2026

# A smart federation between with EDITO (Datalab)

Marina Tonani,  
Mercator Océan International

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**5-6 November** 2025, Brussels [Belgium]



Funded by  
the European Union

# EDITO and BlueCloud

06/11/2025

 **Marina Tonani, Mercator Ocean International**



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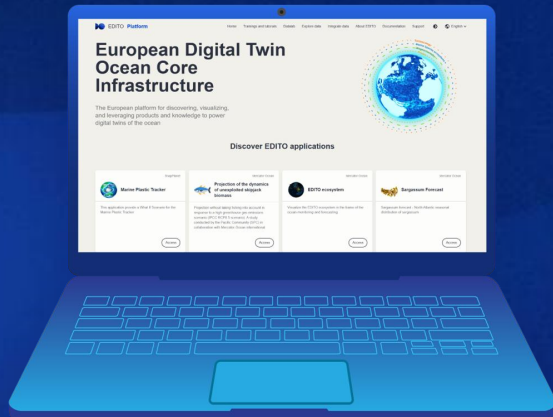
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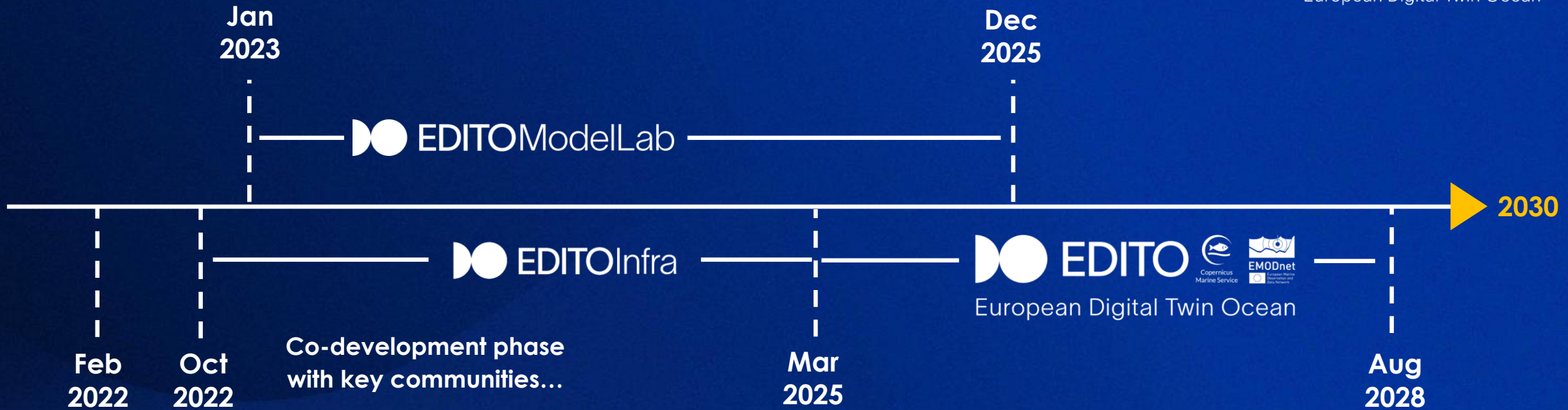




# EDITO is the core infrastructure platform of the European Digital Twin Ocean.

Our mission is to make ocean knowledge available to all.





European Commission  
announces groundbreaking  
new public service:  
The European Digital  
Twin Ocean.



## ...and beta testers



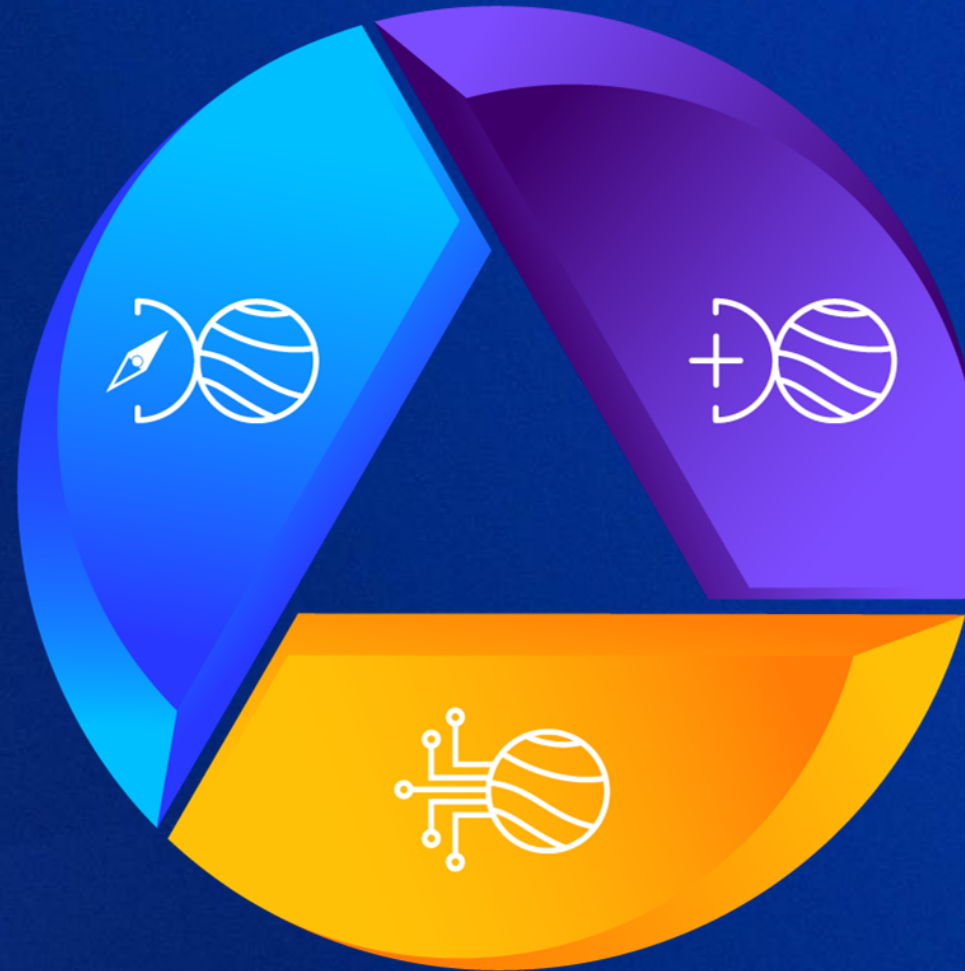
**By 2030,** EDITO envisions  
a fully operational service,  
serving as a global  
benchmark for digital  
ocean solutions.



# Our service offer

## Explore

Use the Digital Twin Ocean Platform



## Create

Build your external third-party services

## Contribute

Add data & services to the Digital Twin Ocean Platform

# What can you do with EDITO?



## Explore Explore Data



Understand the ocean Like never before.



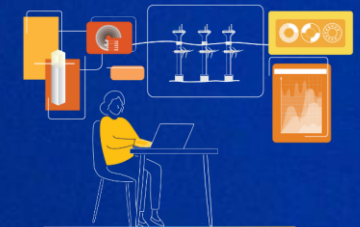
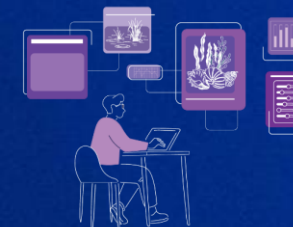
## Create Build Digital Twins & Applications

Develop APPs and “what-if” scenarios to understand trade-offs towards desirable ocean futures.



## Contribute Transform Knowledge Into Action

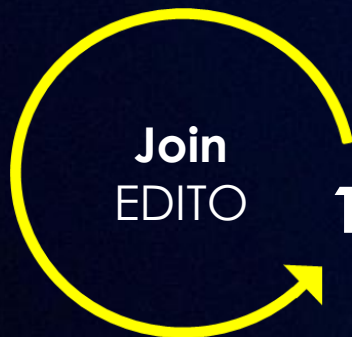
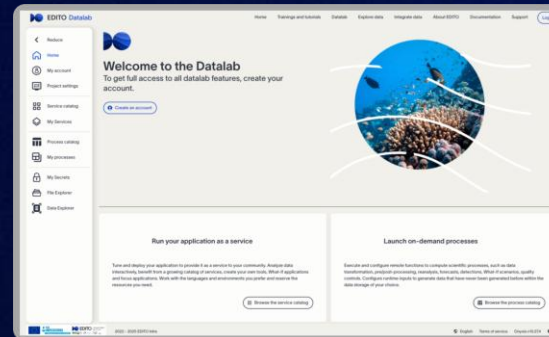
Add your data and services to EDITO to increase your reach and collaborate to protect biodiversity, stop pollution, and support a blue economy.





# ONBOARDING

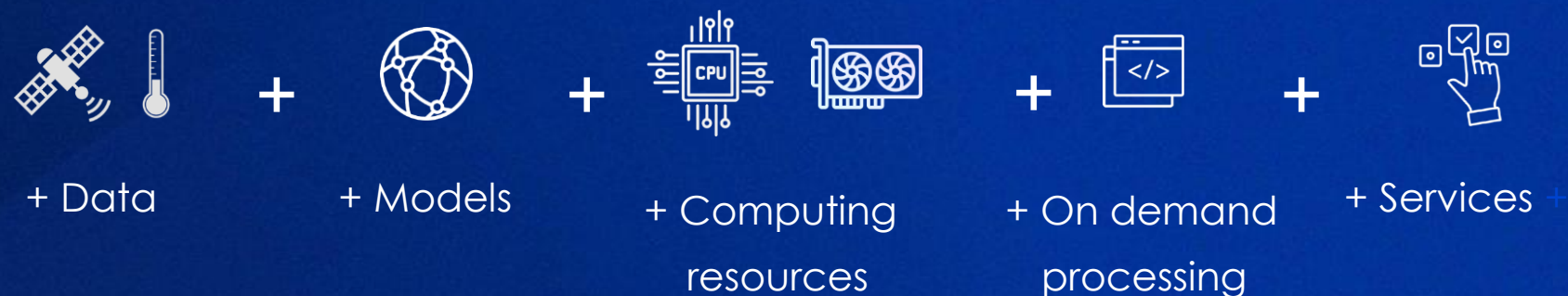
<https://www.edito.eu/>



# Our goals 2025-2028

Building the  
European  
Digital Twin  
Ocean,  
Together.

## Scale up EDITO's capabilities



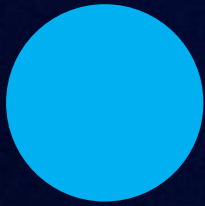
## A thriving EDITO Community





# VALIDATION

## DATA and METADATA

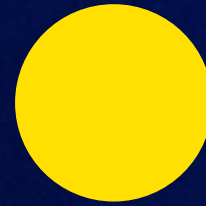


### Syntactic validation

Catalog API only accepts  
Syntactic valid STAC  
catalogs/collections/items.

Otherwise HTTP Bad Request Error

API

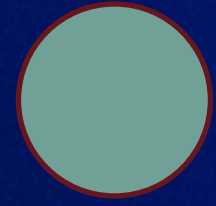


### Semantic validation

Thematic validation of the metadata  
Content i.e. variable names, units.

Data format

(META) DATA



### Quality validation

Scientific validation

Data Stamping

DATA

# Co-development via Community Building

Engage and grow the impact and sustainability of your data, services and applications





# Co-development via Community Building

Financial Support for Third Parties (FSTP)

- The maximum amount to be granted to each third party is € 500.000
- Contract duration 10 & 12 M
- 3 Calls (2025-2028)

€ 2M



Emerging challenges  
in coastal management



Marine biodiversity  
monitoring



Climate scenario  
modeling



Additional  
data



Local models



Innovative services



What-if scenarios

## Needs of:

Policymakers · public authorities · stakeholders

## Implementation of:

Marine Strategy Framework Directive · Common Fisheries Policy · Marine Protected Areas · Marine Renewable Energy · Fisheries or Aquaculture  
and related impact assessments (impact of environmental changes on human activities, impact of policies)

# EDITO2 Governance



## **EDITO Advisory Board:**

**High-level guidance on strategy and policy.**

*Participants:* MOi, VLIZ, SSBE, External experts.

*Frequency:* Annual



Copernicus  
Marine Service



**EMODnet**  
European Marine  
Observation and  
Data Network

## **EDITO Community Expert Group:**

**Share key EMODnet and Copernicus Marine developments, including technical recommendations and opportunities for alignment.**

*Participants:* representatives of MOi, VLIZ, SSBE, EMODnet (Coordinators and TWG) and Copernicus Marine Service.

*Frequency:* Bi-annual



## **EDITO Project Forum:**

**Collaborative forum with key EU projects and initiatives.**

*Participants:* Projects onboarded on EDITO, funding recipients via onboarding calls.

*Frequency:* Bi-annual



## **Steering Committee:**

**Main decision-making body.**

*Participants:* DG MARE, DG RTD, DG DEFIS, MOi, VLIZ, SSBE.

*Frequency:* Quarterly, ad-hoc



**Advisory  
Board**

**Steering  
Committee**



# EDITO Datalab and BlueCloud VRE



SMART FEDERATION





Individually,  
WE ARE ONE DROP



Together,  
WE ARE AN OCEAN

*Cit. R. Satoro*



# Join the Digital Ocean Forum 2025

27 & 28 November  
Hotel nhow Brussels Bloom  
Brussels, Belgium

Register today!

<https://ec.europa.eu/eusurvey/runner/DOF2025>

## Digital Ocean Forum #4

BRUSSELS, 27 & 28 NOVEMBER 2025

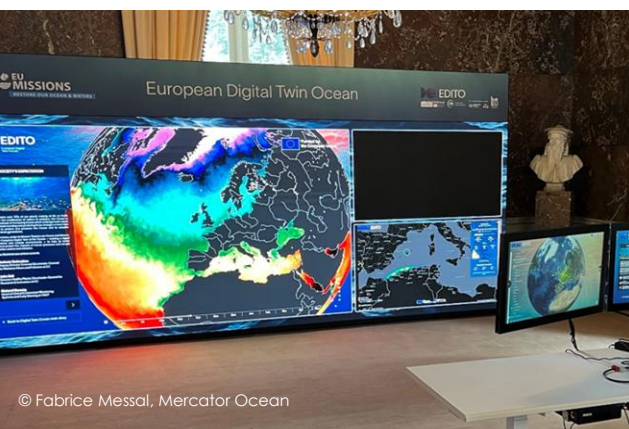


 **EU  
MISSIONS**  
RESTORE OUR OCEAN & WATERS



 **EDITO** European Digital  
Twin Ocean  
supported by  
   

<https://events.edito.eu/2025-digital-ocean-forum>



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# Thank you!

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# Coffee break

10:30 - 11:00

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