



EDITO Infra and Model Lab

Alain ARNAUD

Mercator Ocean international



Contractual and Formal situation



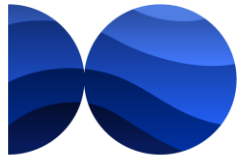
EU Public Infrastructure for the European Digital Twin Ocean

[HORIZON-MISS-2021-OCEAN-IBA-01]

- **Grant to identified beneficiaries, MOi & VLIZ representing CMEMS and EMODnet**
- **Project Adviser: Richard TAVARES (CINEA)**
- **Budget: 2,999,850.00 €**
- **Agenda: start October 1st, 2022**
 - Kick-Off Meeting: November 2022
 - Intermediate Review: January 2024
 - Final review: October 2024



Model Lab: A consortium based on ocean modeling expertise



EDITO
Model Lab

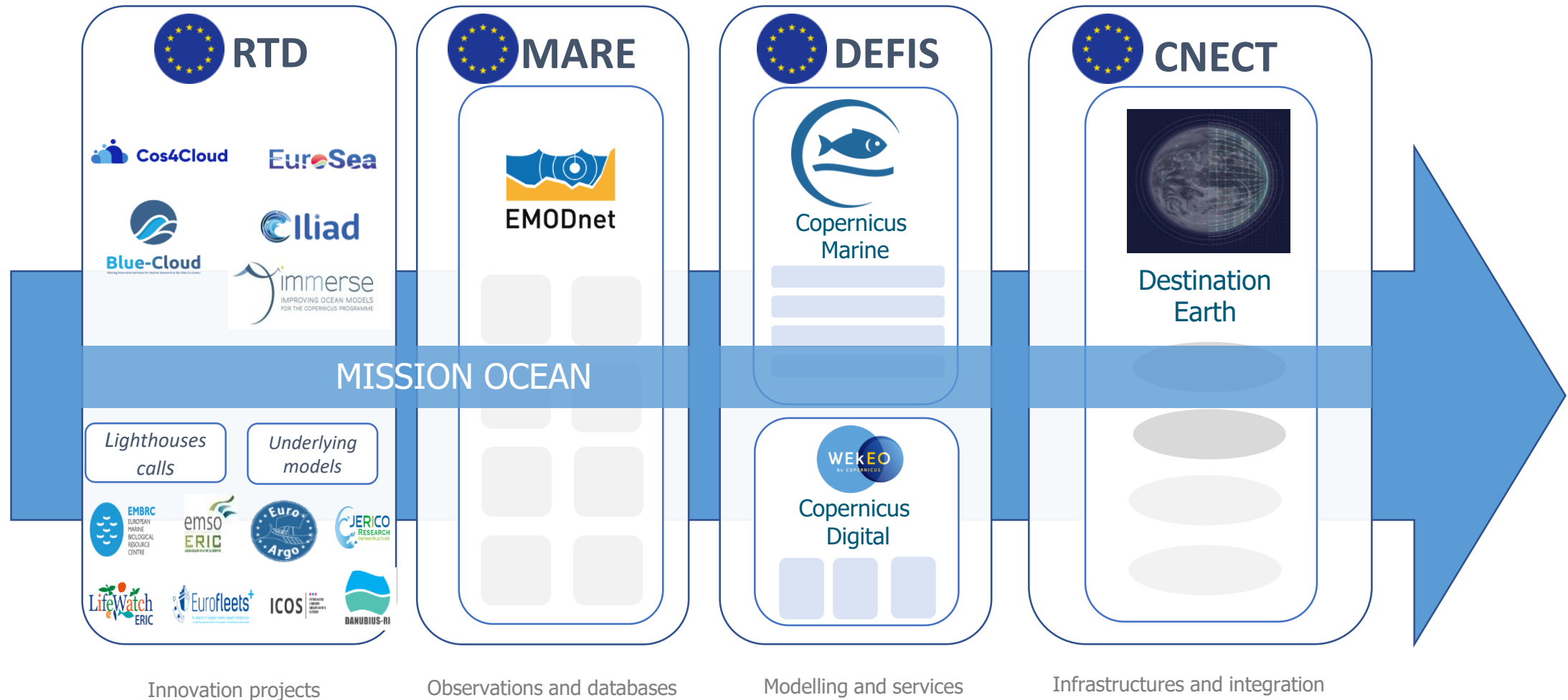
7M€ - 3-years project
Starting date: January 2023
Kickoff meeting 21-22 Feb 2023

14 partners from 9 countries with expertise in :

- **Ocean modeling** from global scale to coastal, for ocean physics, biogeochemistry and marine environment
- **Supercomputing** including experts from computing centers and GPU concepthor
- **Artificial Intelligence** applied to ocean application
- **Software development**, model and tools co-development
- **Operational oceanography** with strong links with Copernicus Marine, Ocean Predict and UN decade
- Intermediate to final **User applications**



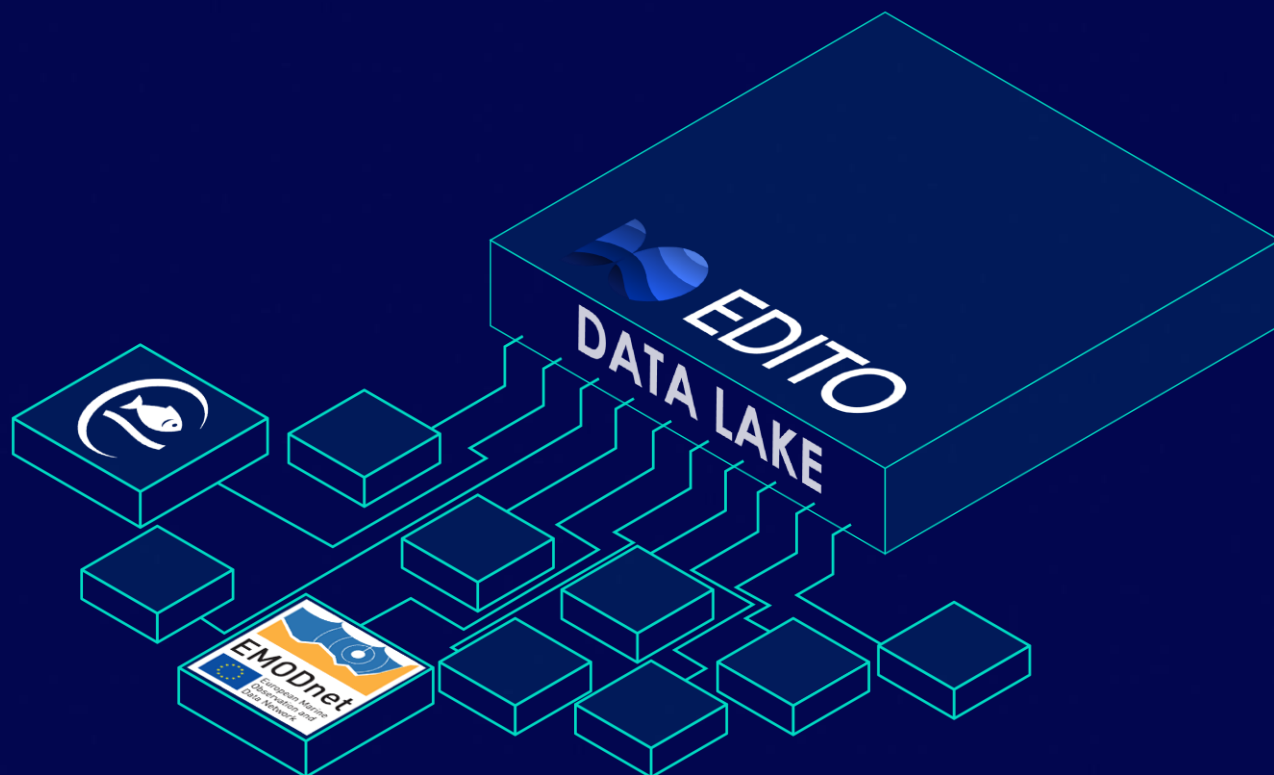
The Inclusive approach of EDITO – Preparing the DTOs



EDITO provides an architectural basis for the interconnection of assets



EDITO will set up a federated data lake



This data lake will enable seamless access to the whole EMODnet and CMEMS data



EDITO infra will set up a processing engine

for running models, AI Machine Learning, Hybrids models
and applications

First demonstrators will be developed in EDITO Model Lab





Example Integration of ILIAD assets: Data & Models & Apps



Integration of ILIAD assets: Data & Models









More to come son...
...Thanks for your attention