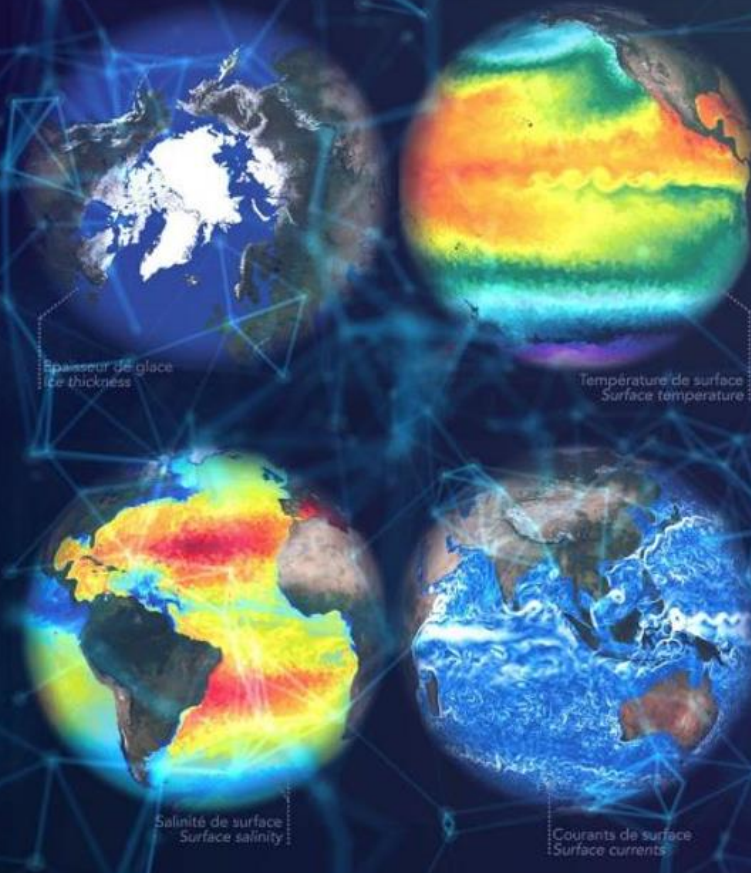


# A Decade Collaborative Centre for Ocean Prediction

Mercator Ocean International



## Background

- Community Consultation and Roles
- Proposal Process and Timeline

Organizational Structure,  
Phased Implementation and  
Financing



2021  
2030 United Nations Decade  
of Ocean Science  
for Sustainable Development



**MERCATOR  
OCEAN**  
INTERNATIONAL

# Community Consultation and Roles

September 27 – Open Community Dialogue

*75 participants from 18 countries representing more than 30 programmes and organizations*

## Predicted / Safe / Accessible

Multiple Stressors on Ecosystems

Sustainable Development of the  
Ocean Economy

Ocean-Climate Nexus predictions for  
ocean, climate, weather

Multi-hazard early warning services

Ocean Observing System

Digital Representation of the Ocean

Equitable Access to data,  
information, knowledge, technology

## Agreed DCC-OP Roles:

Collaborative Framework for  
Decade Goals

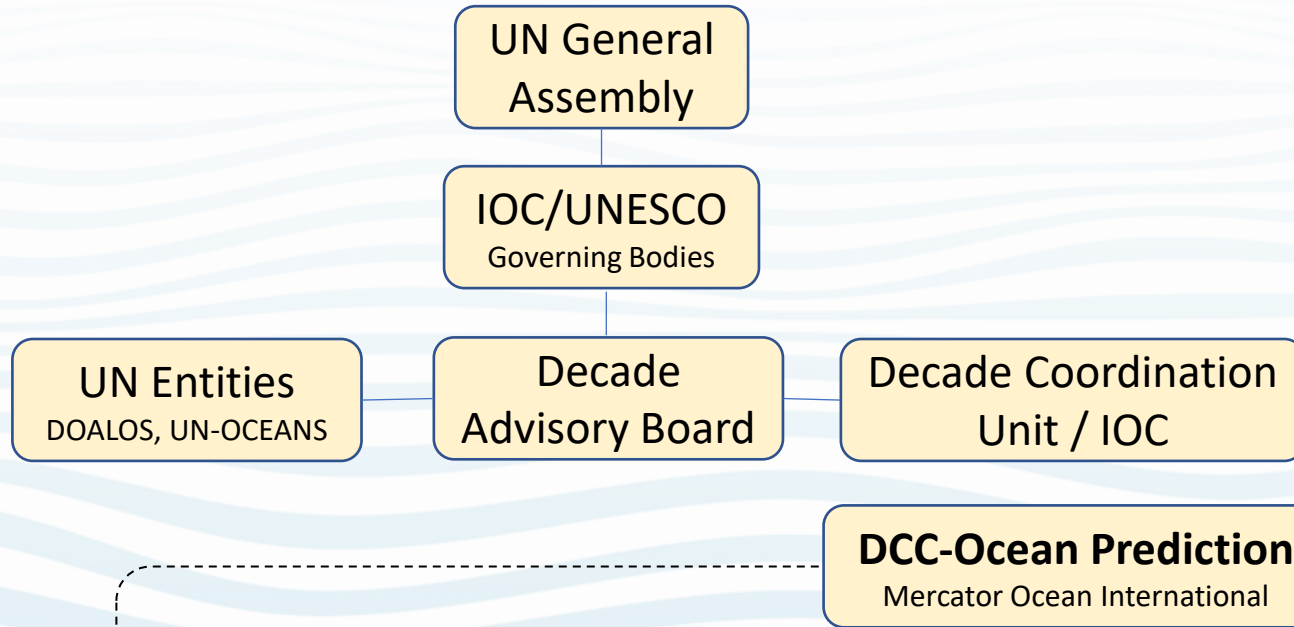
Interoperability & Standards

DTO core platform support

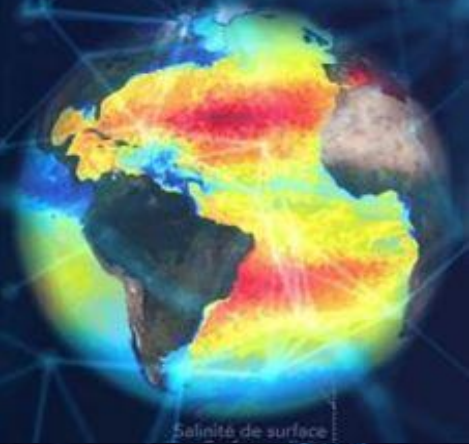
Piloting the Global Ocean  
Modelling and Forecasting  
System



# Organizational Structure



A Decade Collaborative Centre  
for Ocean Prediction



## DCC-Ocean Prediction Mercator Ocean International

### Decade Programmes



ForeSea (open ocean), CoastPredict (coastal),  
DITTO (digital twins), OASIS (air-sea fluxes),  
MarineLife 2030, Deep Ocean Observing Strategy  
and Challenger 150 (deep ocean ecosystem  
modelling), new / developing... (OBON – omics).

### Intergovernmental Programmes and Sponsors

UNESCO-IOC, IODE / Ocean Best Practices System,  
GOOS / GCOS, WMO-IOC ET-OOFS, UNEP GEMS  
Ocean, International Science Council, G7 FSOI, ...



### European Programmes

Copernicus (Marine, WEKEO), EMODnet,  
EU4OceanObs, EuroGOOS / EOOS,  
European Marine Board, JPI-Oceans...  
Marine Research Infrastructures, Mission Ocean,  
Destination Earth, Sentinels...

### Global Programmes

GEO Blue Planet, OceanPredict, Future Earth  
programmes and Ocean KAN, SCOR, POGO, SOLAS,  
IMBER, GEOTRACES, WCRP, ...

# Proposal Process and Timeline

**December** - Proposal submission

- *Supported by French National Delegation to UNESCO-IOC*
- *Approved by the Management Board of Mercator and its shareholders from France, Italy, Norway, Spain, and the UK.*

**Dec / Jan 2022** - Feasibility study commissioned by UNESCO to collect or clarify any additional information needed to confirm that the proponent can perform the tasks required.

**1<sup>st</sup> Quarter 2022** - Final decision by IOC Executive Secretary.

**1<sup>st</sup> Quarter 2022** - Signature agreement between Mercator and UNESCO.



# Phased Implementation

## IOC Guidelines: DCC Full-time Staff Commitments

*(min. 4 staff / 5-years)*

- Centre Coordinator
- Technical Specialist
- Communications / Engagement Specialist
- Administrative Assistant

## Year 1 (2022)

1 full-time Coordinator  
Part-time Specialist(s),  
Comms / Engagement,  
and Admin Assistant

## Year 2 (2023)

Fully-staffed centre

## Financing

Estimate for fully-functioning Centre (staff and operating costs) = € 600k / year.

**Year 1:** France €150k / year; Mercator €150k / year

**Year 2:** Seeking €300 k / year beginning in 2023

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