



## WORKSHOP

Ocean Observation and  
Prediction for Coastal  
Sustainability in Africa



4 - 7 March 2024  
UNEP HQ, Nairobi, Kenya



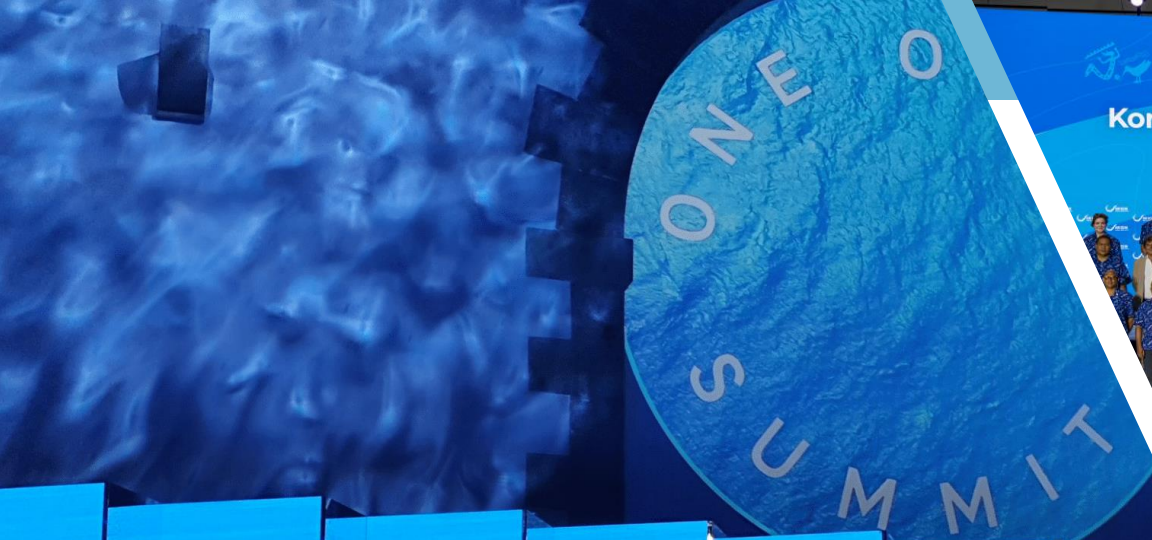
**MERCATOR  
OCEAN**  
INTERNATIONAL

# Ocean Observation and Prediction for Coastal Sustainability in Africa

Mercator Ocean International: Actions with Africa

Nairobi, March 4-7, 2024





Koror, Palau



April 13-14, 2022

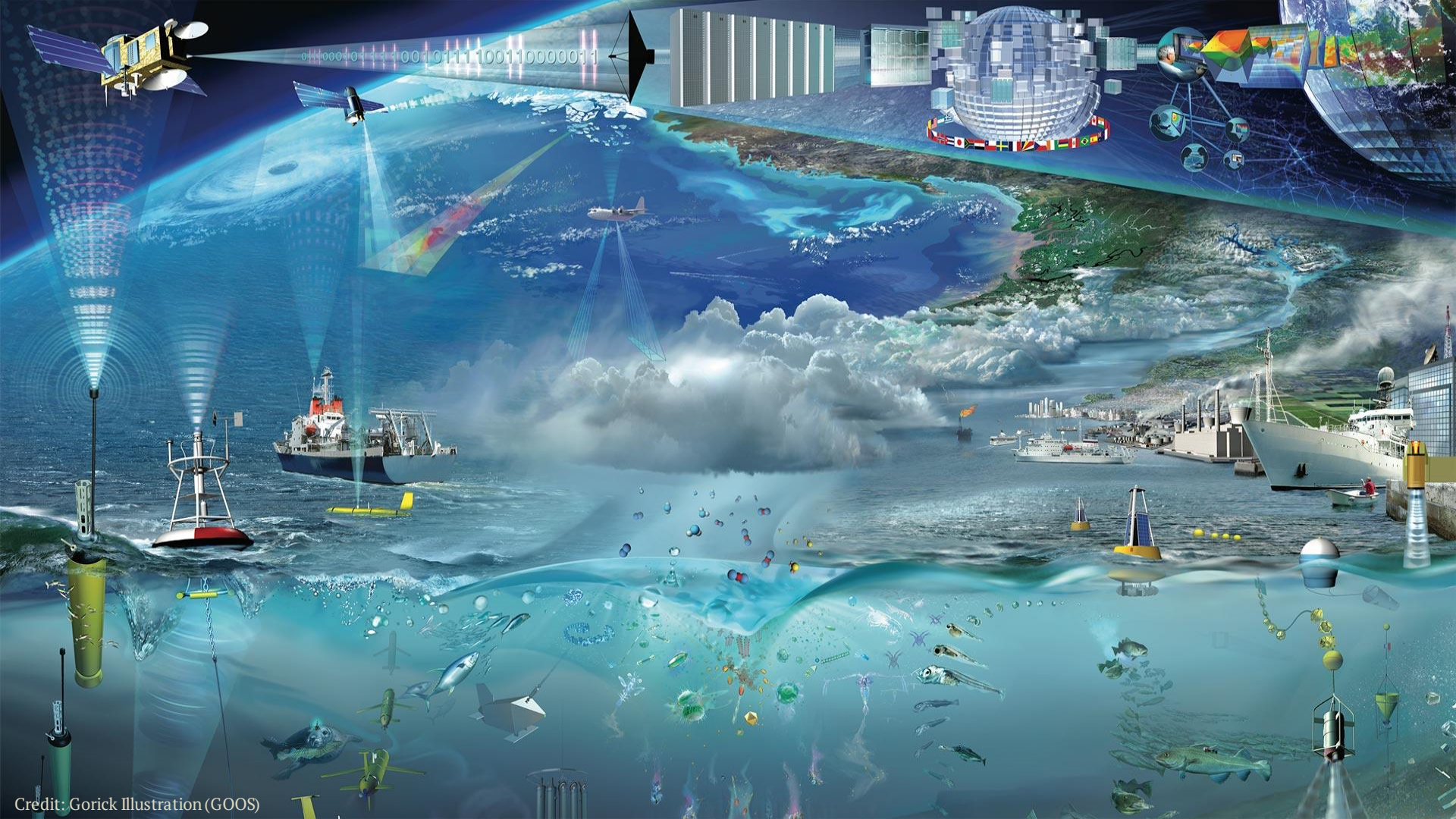


# The Science We Need for the Ocean We Want



2021 United Nations Decade  
2030 of Ocean Science  
for Sustainable Development

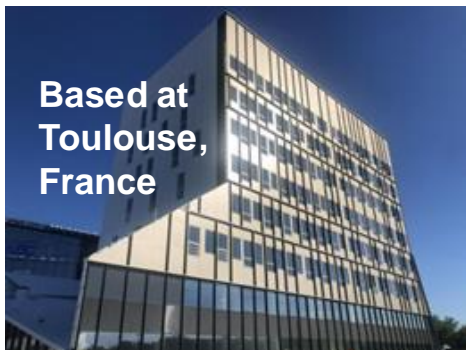




Credit: Gorick Illustration (GOOS)



A non-profit organisation transforming into an IGO



Based at  
Toulouse,  
France



## Ocean Forecasters

- . Development of global ocean models 3D
- . Operational ocean predictions
- . Delivery of a ocean service to public

With multinational shareholders



Météo France



Puertos del  
Estado



Puertos del



SHOM



IFREMER



IRD



CNRS



Met Office UK



CMCC



Entrusted by the  
EU to implement  
the Copernicus  
Marine Service



# G7

FUTURE OF THE SEAS  
& OCEANS INITIATIVE



# Geo

BLUE PLANET

**Jose Moutinho**  
AIRCentre

Steering Committee Co-Chair  
(Cascais, Portugal)

European Office  
(Toulouse, France)



Steering Committee Co-Chair  
(Mazatlán, Mexico)

**Ana Carolina Ruiz-Fernandez**  
University of Mexico

Asian Office  
(Busan, Rep. of Korea)

Steering Committee Co-Chair  
(Accra, Ghana)

**Kwame Adu Agyekum**  
GMES & Africa  
University of Ghana





# Active Thematic Working Groups

- Coastal geomorphology
- Coastal flooding
- Eutrophication
- Fisheries
- Marine Litter
- Climate adaptation
- Sargassum



Steering committee and all WGs include members from several African countries

All GEO Blue Planet activities support and contribute to the **UN Decade of Ocean Sciences for Sustainable Development** and inclusion and diversity

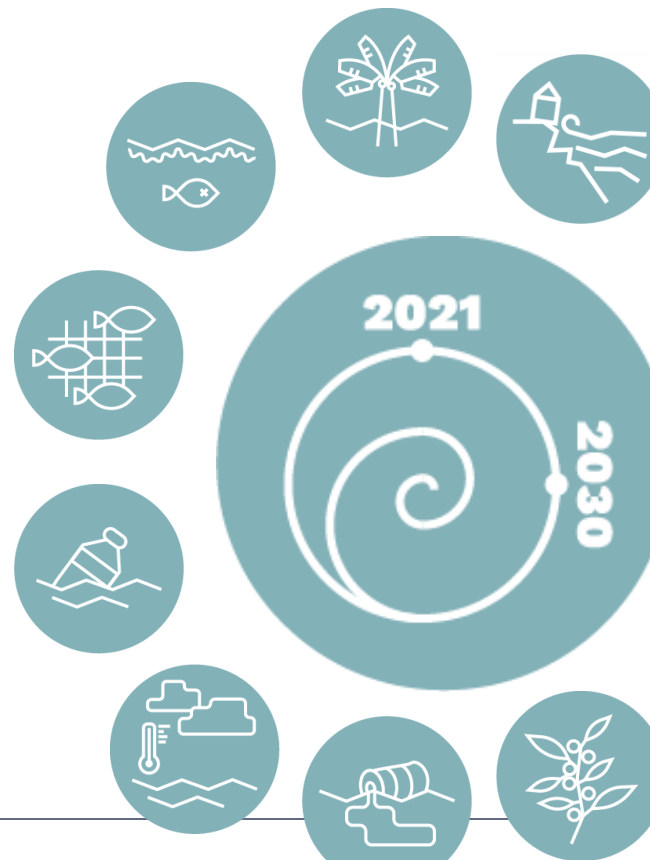


2021  
2030

United Nations Decade  
of Ocean Science  
for Sustainable Development



ECOP  
Early Career  
Ocean Professionals



# GEO BLUE PLANET 5<sup>th</sup> SYMPOSIUM

24 - 28 October 2022 | Accra, Ghana

[symposium.geoblueplanet.org](https://symposium.geoblueplanet.org)



- First regional Symposium “**Local Action in Support of Global Traction**”
- **181 participants from 16 countries and diverse sectors** (academia, industry, regional governing agencies, Ghanaian public authorities, Earth Observation experts, NGOs and media).
- Specifically geared towards improving our **engagement with African nations** in an effort to
  - expand the Earth Observation community of practice
  - strengthen local capacity
  - provide access to resources, tools and services.

Mercator Ocean International is an ocean monitoring leader

Implementing the **Copernicus Marine Service**



Partner of the **UNEP GEMS Ocean Programme**

Feed the UNEP's World Environment Situation Room



2021 2030 United Nations Decade of Ocean Science for Sustainable Development



EDITO: the European Digital Twin of the Ocean



European Digital Twin Ocean



European Digital Twin Ocean

Ocean Prediction DCC, connecting the world around ocean forecasting



Ocean Prediction

UN DECADE COLLABORATIVE CENTRE



Funded by the European Union



INTERNATIONAL OCEAN GOVERNANCE  
EU COMPONENT TO GLOBAL OCEAN OBSERVATIONS

Coordinating **EU4OceanObs** with support of European Research Executive Agency, EC DGs: RTD, MARE, DEFIS, INTPA





SCIENCE



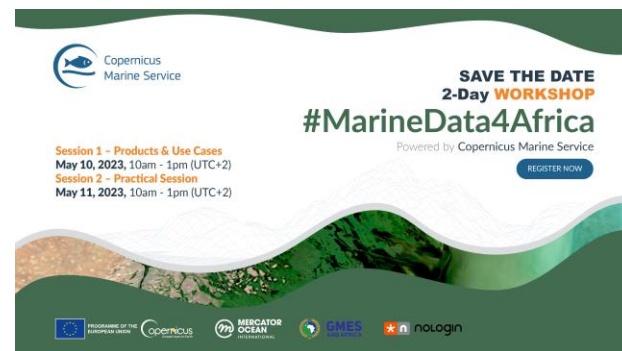
POLICY

**Mercator Ocean International**, as the entrusted entity for the implementation of the EU **Copernicus Marine Service**, and in line with its general interest mission towards a sustainable ocean, has been cooperating since early 2018 with **GMES and Africa**.



Mercator Ocean International activities support the main principles of **GMES and Africa**:

- Develop Access to data and Information Services
- Develop Regional and National training capacities
- Raise Awareness among users and Communities
- Contribute to Policy and Institutional Framework



To adapt and facilitate the use of Copernicus in the African context, supporting the **Africa Blue Economy Strategy**

☐ Trainings

☐ Hackathons

☐ Workshops

☐ Network for ocean prediction

Format	Area	Event
Training	Continent	<b>MarineData4Africa Training Workshop</b> Copernicus Marine Service 2-day online workshop
Course	Benin	<b>Ocean Science governance, Data exploitation &amp; Blue network</b> Copernicus Marine Service 1 week master's program course
Workshop	West and North Africa	<b>GMES4Africa Monitoring Ocean Variables</b> Copernicus Marine Service & Geo Blue Planet 3-day workshop co-organised with EUMETSAT and University of Ghana
Summit	Continent	<b>Ocean Innovation Africa Summit '23</b> Copernicus Marine Service & Geo Blue Planet Entrepreneurship and innovation in the blue economy sectors
Workshop	Continent	<b>Ocean Obs &amp; Prediction to address Coastal Sustainability in Africa</b> Geo Blue Planet Led by the Geo Blue Planet Working Group on Coastal Geomorphology
Meeting	Continent	<b>OceanPrediction DCC - Regional Team for African Seas</b> Kick-off meeting
Selection committee	Western Indian Ocean	<b>World Economic Forum - Uplink Great Blue Wall Challenge</b> Mercator Ocean International supports the Great Blue Wall Initiative alongside IUCN, WIOMSA, UNECA
Entrepreneurship development	South Africa	<b>OceanHubAfrica partnership</b> Support of OHA's acceleration programme - signature of a MoU
Training	Continent	<b>Early career Ocean Professionals Africa</b> On going discussion to improve support

Thanks to the strong relationships with its **African partners**, Mercator Ocean International will ensure the **ongoing provision of services and data** and will enhance **cooperation** to support the upstream (ocean observation and forecasting) and downstream (use and policy) sectors in Africa.

Mercator Ocean International is fully committed to serve both **Agenda 2063** and **UN SDG 14** for developing EO-based Operational Oceanography expertise in Africa, based on strong AU/EU partnerships





**THANK  
YOU**



