



Inspire
coastal challenges



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UNEP-GEMS Ocean



European Pavilion

Digital Ocean

Nice | France
2 - 13 JUNE 2025

Ocean and Coastal
Observations and Monitoring
at scale: The value chain from
data to impact through
partnerships approach



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Vision

Promote a healthy and resilient ocean supported by equitable access to high-quality, policy-relevant ocean data and information.



Mission

Support countries with data, tools, and capacity to monitor and manage the ocean sustainably, enabling informed decisions and progress toward SDG 14.



UN Ocean Decade

- Supports the UN Decade of Ocean Science and SDGs (esp. SDG 14 & SDG 17).
- Focuses on Ocean Decade Challenge 7 (sustainable ocean observing) & Challenge 8 (digital ocean representation).



Strategic Goals

- Promote and convene a transdisciplinary partnership approach on sustainable coastal and ocean use and ecosystem health.
- Enhance capacity development on key aspects of ocean monitoring. (SIDS and Developing States)
- Provide open access, quality assured and interoperable data, analysis and sets of indicators to governments and stakeholders.



WORLD
RESOURCES
INSTITUTE



A Centre collaborating with UNEP



Core Partners

Implementing partners –UN and Non UN

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Community of Practice (CoP)

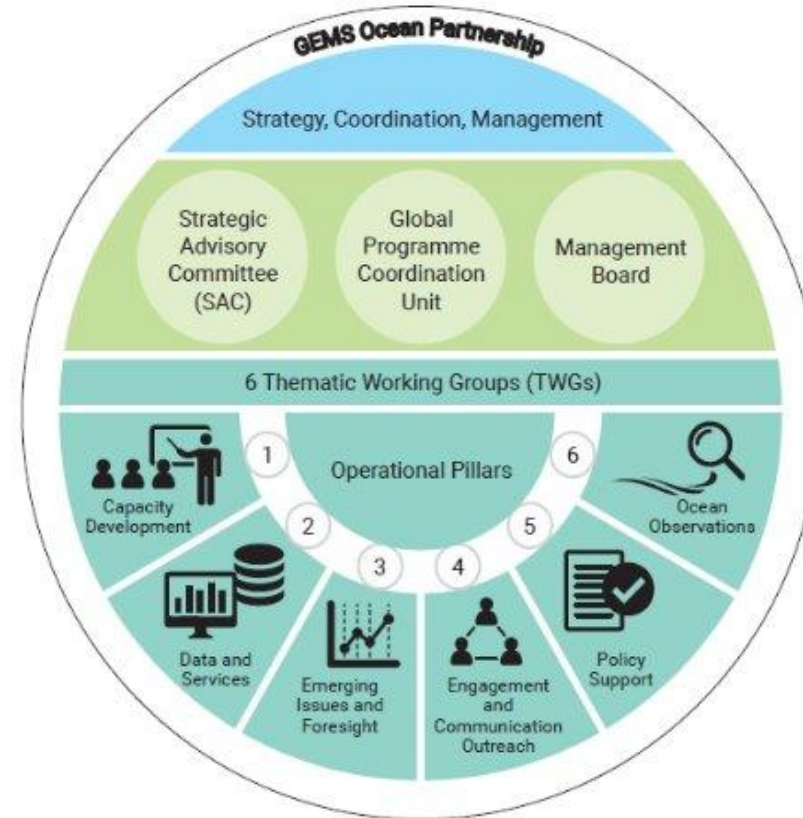
All the actors that responded on a voluntary in-kind/basis.

- Steering Committee (SC)

Provide strategic guidance including review and approval of work plans, advice resource mobilisation, agreement on data standards. Membership by transparent selection process, from representatives of observing, monitoring, modelling, political, MEAs and private sector communities.

- Thematic Working Groups (TWG)

Will act as the operational mechanism of the GEMS Ocean Programme and its CoP and develop deliverables to be reflected in work-packages. Possible TWG: Capacity Development, Data and Services, Engagement and Community outreach, Policy Support, Emerging issues and foresights.



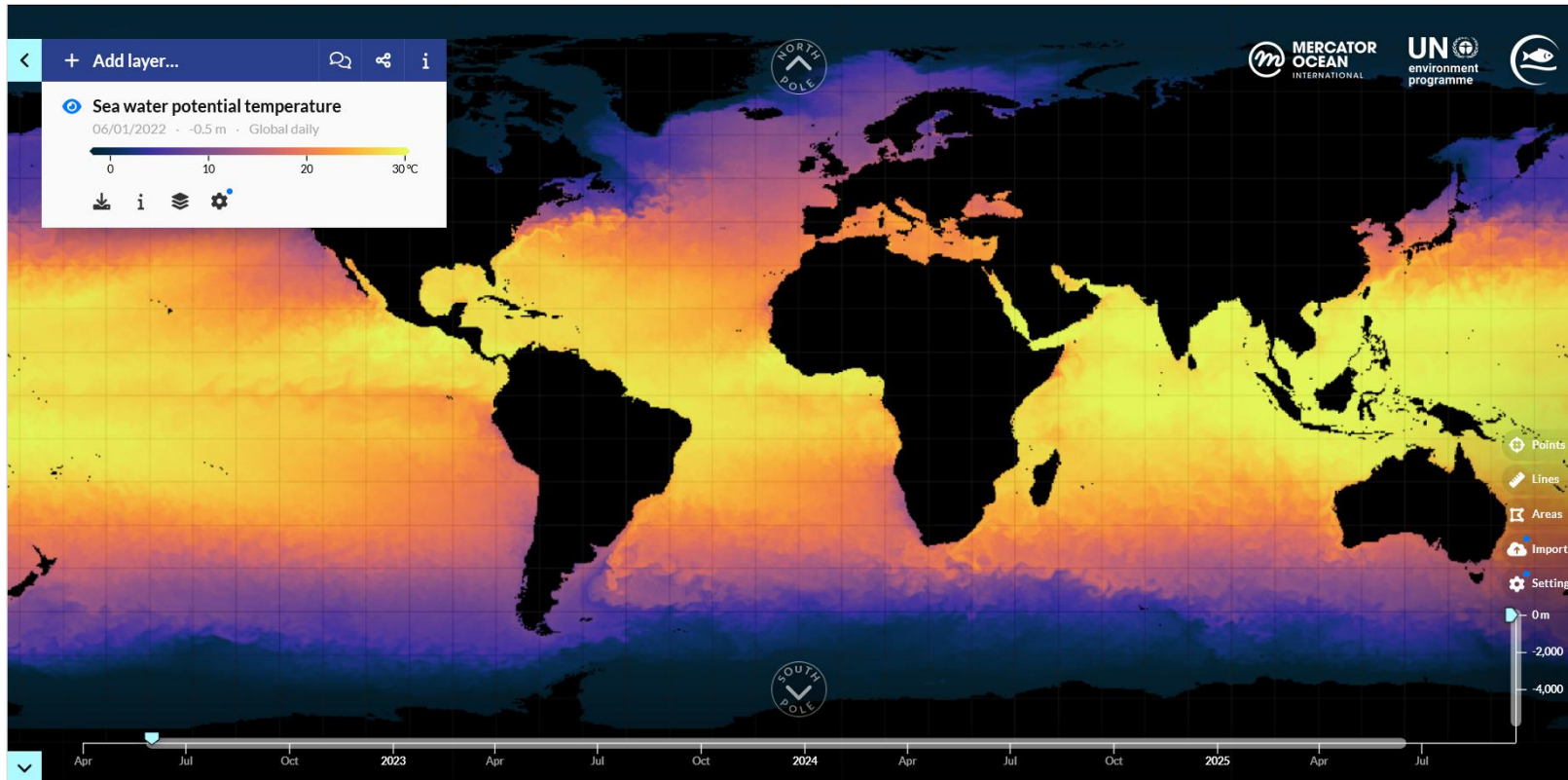
Potential structure of the GEMS Ocean Programme, including a proposed governance mechanism

Governance Mechanism



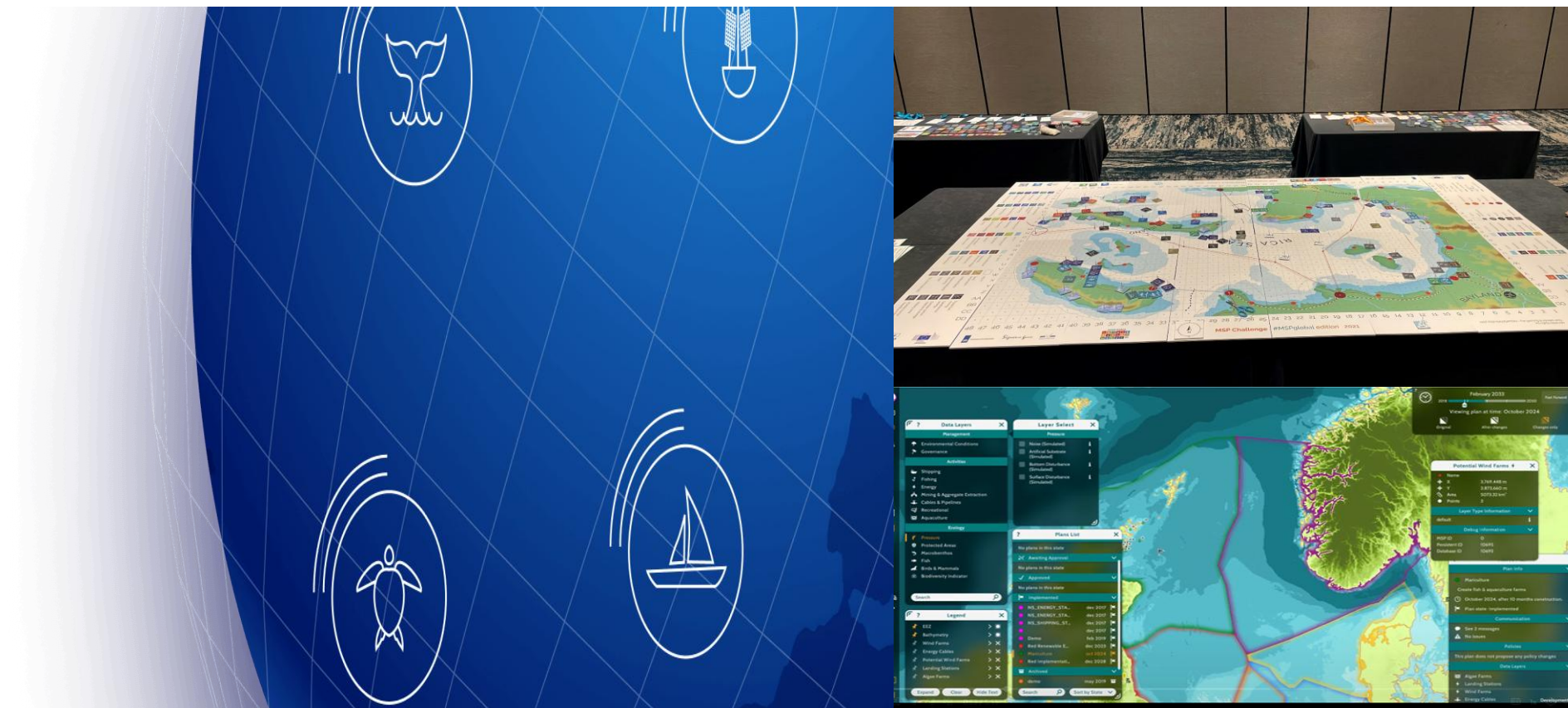
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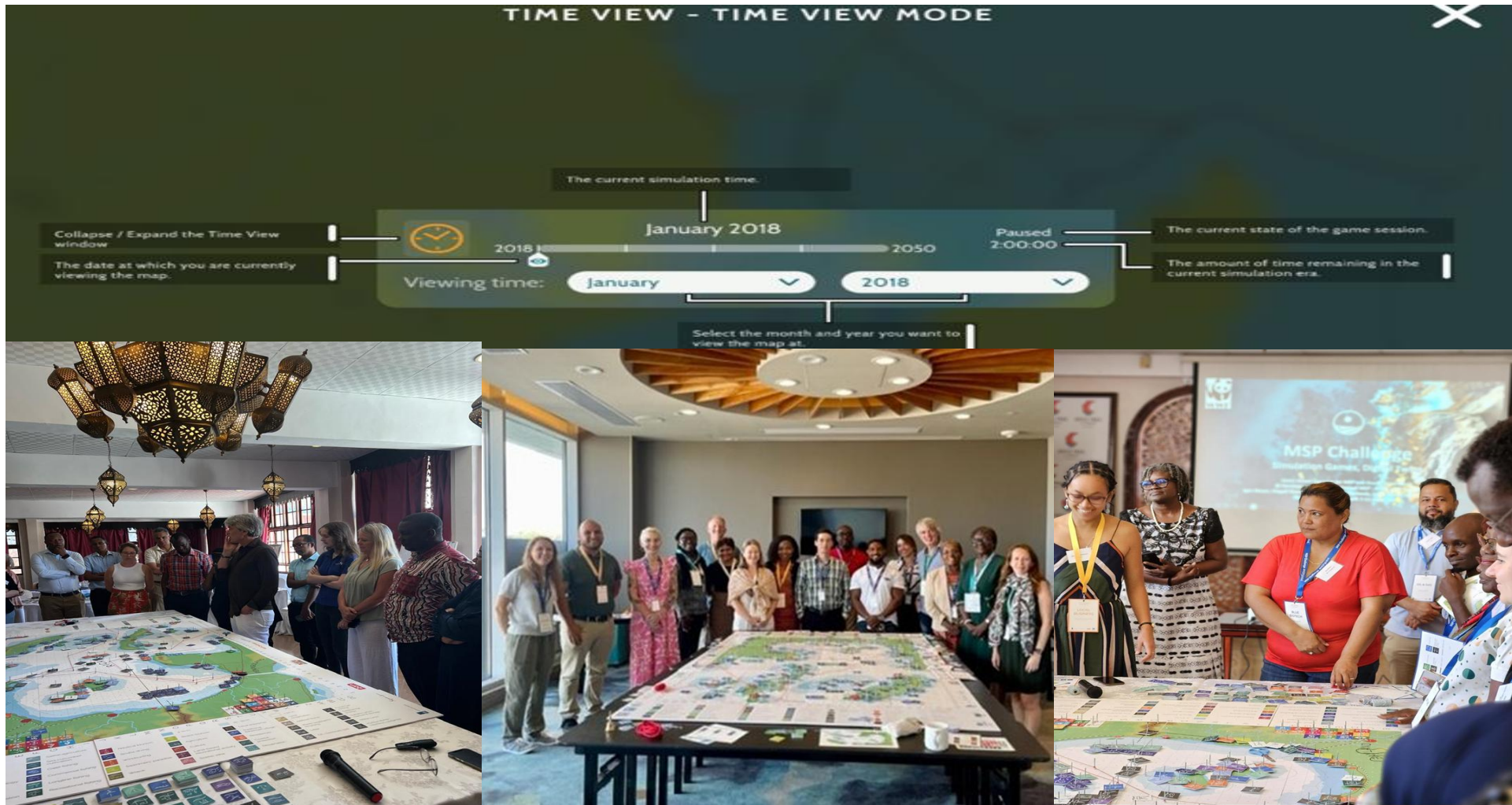


Customized My Ocean Tool from Mercator Ocean International

- Combine and display global 4-dimensional break down of Essential Ocean Variables
- Sea water potential temperature
- Chlorophyll a concentration



Digital Twin of the Ocean
Marine Spatial Planning Global Tool Virtual Platform and Game Board
Innovative Workshops in Caribbean Sea and the Northern Mozambican Channel
Region



**Marine Spatial Planning Global Tool Virtual Platform and Game Board
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Region**





- ✓ Ocean Decade- DCC for Ocean Prediction; Data and Knowledge Management
- ✓ EO services collaboration - GMES
- ✓ UNEP- World Environment Situation Room (WESR)
- ✓ Donor support



EO AFRICA



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Thank you very much for your attention

For more info kindly contact:
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*"Aspiring to Achieve the Sustainable Development Goal 14:
to "Conserve and sustainably use the oceans, seas and
marine resources for sustainable development"*

