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UN Decade of Ocean Science for Sustainable Development

Dr Vladimir Ryabinin
Executive Secretary, IOC of UNESCO
Assistant Director General, UNESCO



2021
2030 United Nations Decade
of Ocean Science
for Sustainable Development

REGIONAL KICK-OFF CONFERENCE FOR THE UN DECADE OF OCEAN SCIENCE FOR SUSTAINABLE DEVELOPMENT 2021–2030 FOR THE TROPICAL AMERICAS AND THE CARIBBEAN REGION

16–17
December
2021

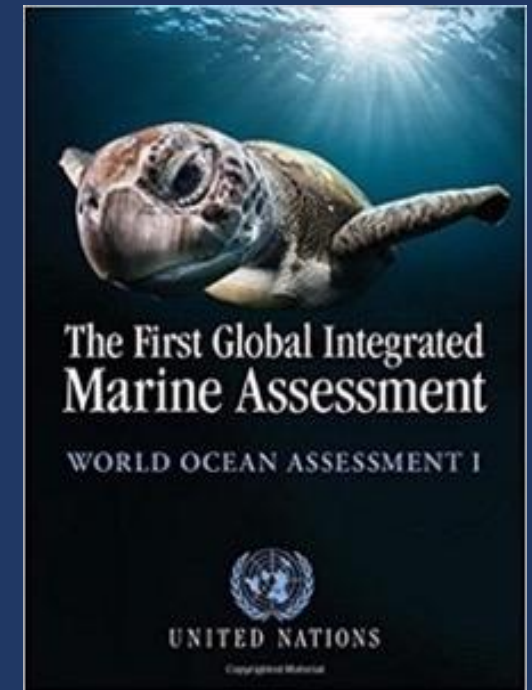


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Sustainable development is ocean-dependent and ocean-science intensive!

Humankind is running out of time to start managing the ocean sustainably



WE COMMIT

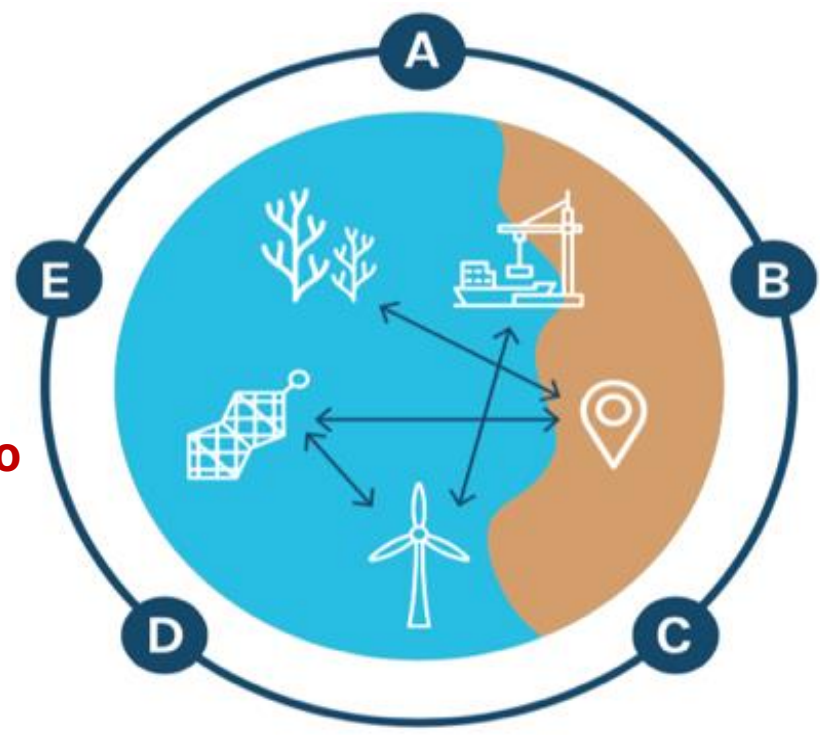
**to sustainably manage
100% of the ocean area
under national jurisdiction, by 2025.**



Five key sectors to be transformed towards a sustainable ocean economy

-  Sustainable ocean food production
-  Clean ocean energy
-  Low carbon transportation and ports
-  Ocean restoration and protection
-  Tourism

x6
x40
20% -> 1,5°
15T\$



Five enablers:

- 1) Data reform
- 2) Ocean Planning
- 3) Innovative finance and de-risking
- 4) Stopping land-based pollution
- 5) Upgrading ocean accounting

Key Ocean Management Domains



**Coastal zone
management
and adaptation**



**Marine Spatial
Planning/
Sustainable
ocean economy**



**BBNJ,
Marine
Protected
Areas, LMEs**



**Management
of fisheries
and aquaculture**



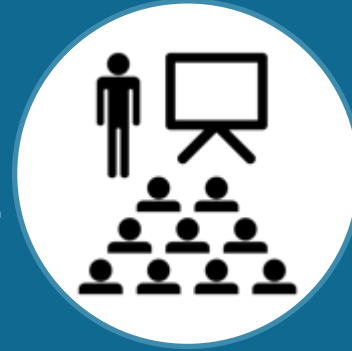
**Adaptation to
and mitigation
of climate change,
NDCs**



**Development of
national R&D
strategies &
ocean policies**



**Real-time
oceanographic,
weather/climate
services**



**Regional and
national capacity
development**



**Early warning
systems**



GENERAL ASSEMBLY OF THE UNITED NATIONS

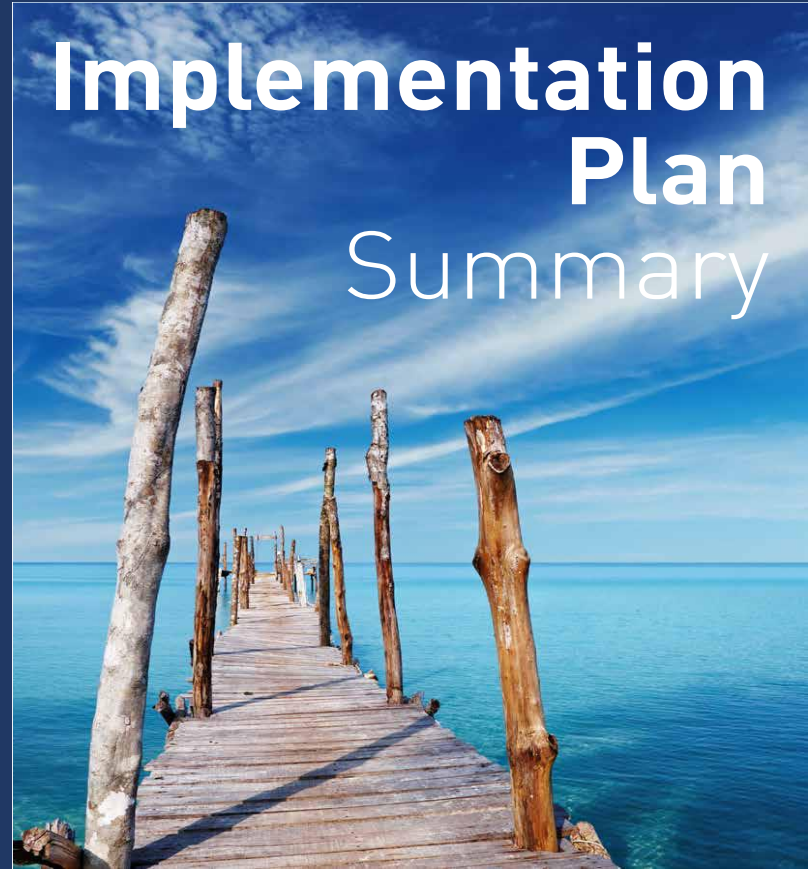


The Ocean We Need for the Future We Want

Proposal for an International Decade of Ocean Science for Sustainable Development (2021-2030)



Vision
The science we need for the ocean we want



Implementation Plan Summary

The United Nations Decade of Ocean Science for Sustainable Development (2021-2030)



DECADE OUTCOMES

"THE OCEAN WE WANT"

- Clean
- Healthy and resilient
- Productive
- Predicted
- Safe
- Accessible
- Inspiring and engaging

Implementation Plan Summary



The United Nations
Decade of Ocean Science
for Sustainable Development
(2021-2030)



OCEAN DECADE CHALLENGES



Pollutants



Ecosystems



Food from the Ocean



Ocean economy



Ocean-climate nexus



Ocean-related risks



Ocean observing system



Ocean digital representation

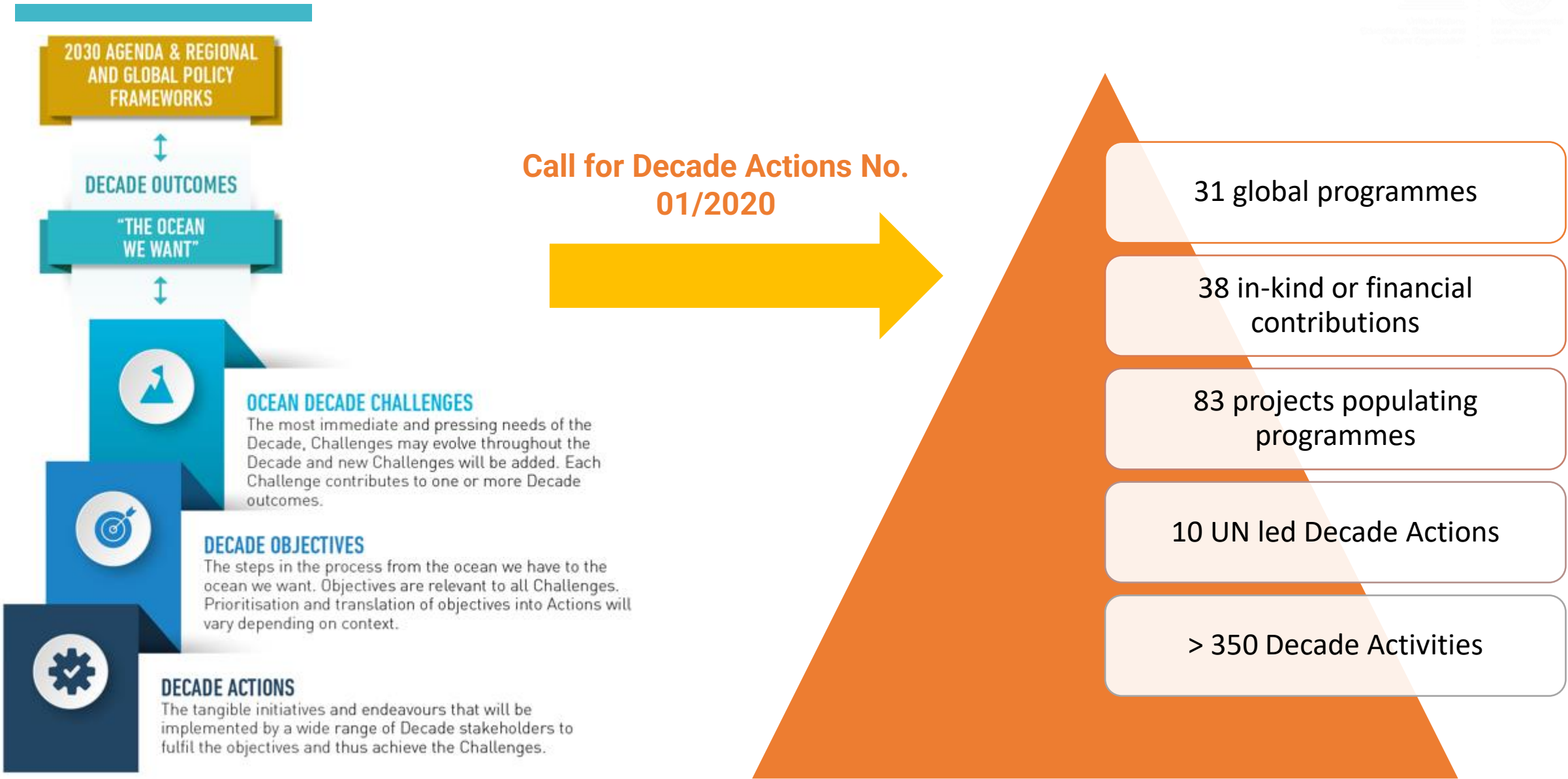


Capacity development



Behaviour change

Ocean Decade Action Framework



Breadth of Endorsed Programmes after 1st Decade call

...

- Deep-Sea Life + Deep Ocean Observing Strategy
- CoastPredict, Deltas, Estuaries Monitoring
- Marine Biodiversity Information Management and Forecasting System
- Sustainability of Marine Ecosystems, Coral Reef Sentinels
- **Cultural Heritage Framework, Ocean Voices, Decade of Ocean Empathy**
- **Early Career Ocean Professionals, Empowering Women for the Decade**
- **Ecosystem for Ocean Solutions, Ocean Cities**
- Ocean Prediction Capacity of the Future, Observing Air-Sea Interactions
- Digital Twins of the Ocean
- Ocean Oxygen Decade, Ocean Acidification
- Twilight Zone Ocean Network, Fisheries Strategies
- Pacific solutions, Mediterranean
- SeaBed 2030
- Ocean Observing, Best Practices, Ocean Literacy

...



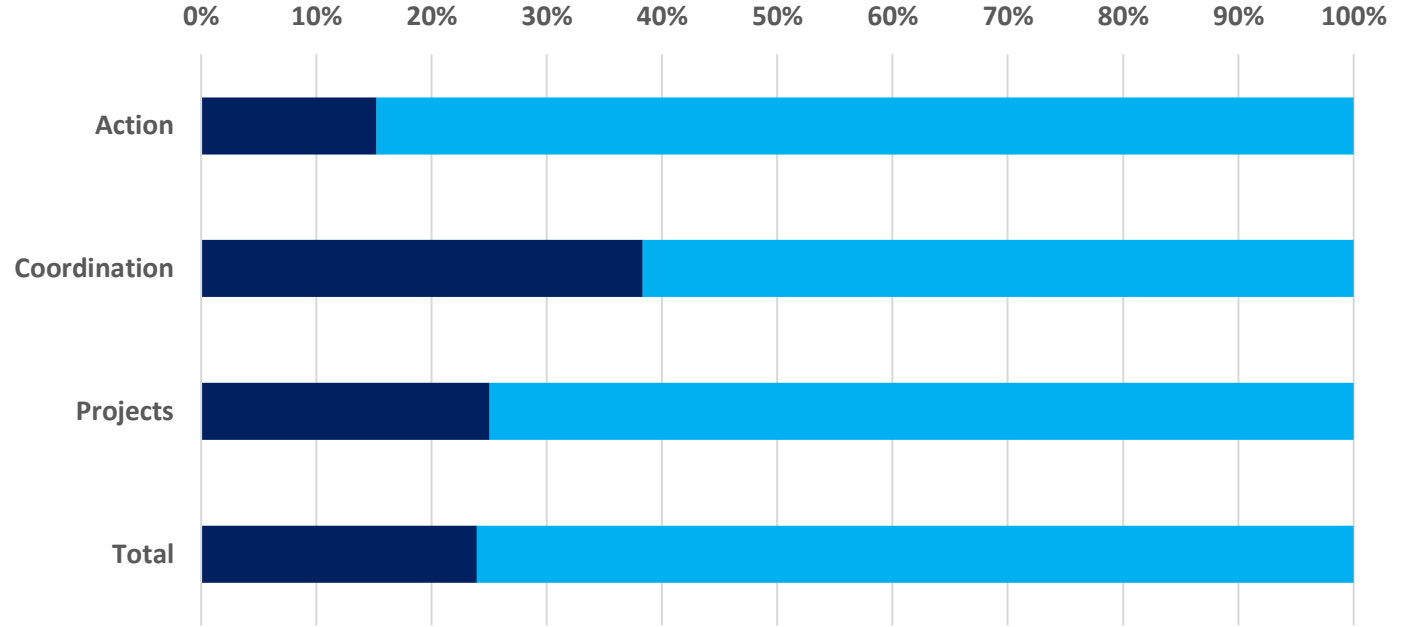
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Resource Needs of Endorsed Programmes



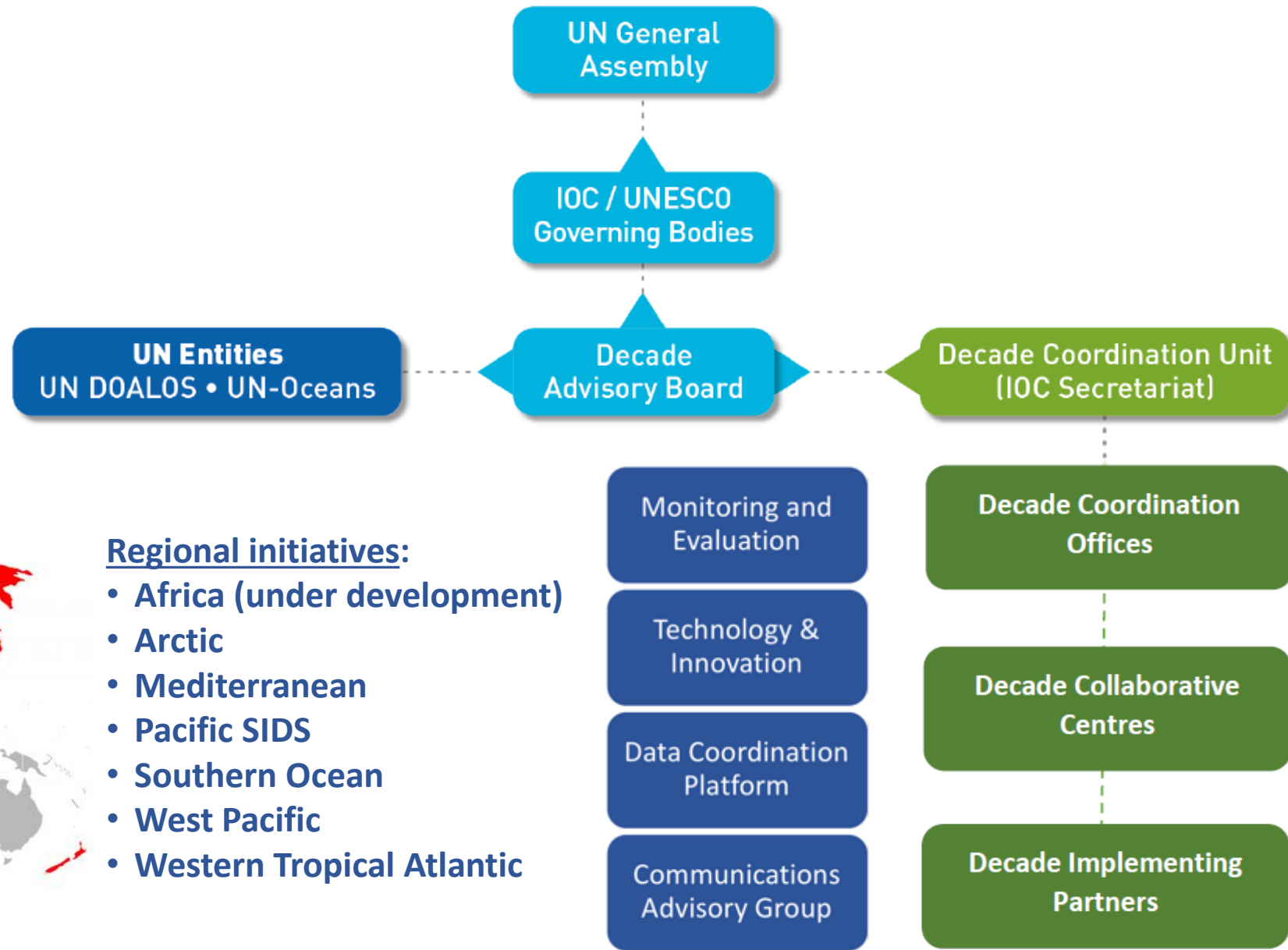
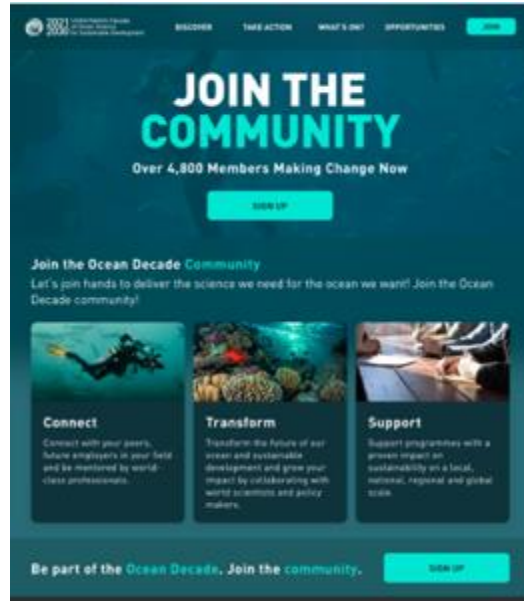
	Need (USD million)	Secured (USD million)	Gap (USD million)
Action costs	461	69	391
Coordination costs	37	14	23
Project costs	3039	759	2280
TOTAL	3539	844	2695

Secured Funding vs. Gap (27/34 programmes)



±24% of total resource needs are secured
(although project related needs are underestimated)

Building the architecture of the Decade – Governance & Coordination



Regional initiatives:

- Africa (under development)
- Arctic
- Mediterranean
- Pacific SIDS
- Southern Ocean
- West Pacific
- Western Tropical Atlantic



15 October 2021 – 31 January 2022

2021 United Nations Decade
2030 of Ocean Science
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Call for Decade Actions No. 02/2021

- **Thematic or regional programmes addressing primarily Challenges 1 – Marine Pollution, 2 – Ecosystem Management and 5 – Ocean Climate Nexus (programmes addressing other Challenges to be addressed via an Expression of Interest)**
- **Soliciting projects for 23 endorsed programmes that have indicated that they are ready to participate in the Call**
- **Sponsored Call for Decade Actions (projects) with AXA Research Fund and Meer Wissen Initiative**
- **Support mechanisms for lead partners in LDCs and SIDS**

A major contribution of the Ocean to sustainability is possible



through sustainable
ocean planning
based on science

Mainstream

- Carbon policies
- Adaptation measures
- Biodiversity conservation
- Ecosystem health

Areas of Benefit:

- Climate
- Biodiversity
- Ocean Economy
- Human Wellbeing



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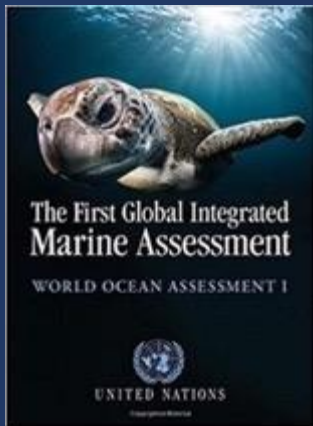
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Take home message:

The Decade is capable of and seems to start creating a major positive transformation in ocean science (Science + Technology + Economy + Ethics) x (co-design)

Goal and Vision:

harmony in human relation with the Ocean based on new level of science



Humankind is running out of time to start managing the ocean sustainably

2016

Thank you ! ¡Gracias!