



# Subsidiary Body for Scientific and Technological Advice

Ocean and Climate Change Dialogue 2023

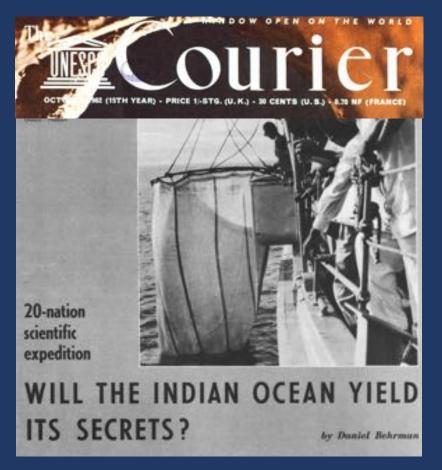
Dr Vladimir Ryabinin Executive Secretary, IOC of UNESCO Assistant Director General, UNESCO

**Bonn, 13 June 2023** 

1960s

# **IOC Evolving Agenda**

Now



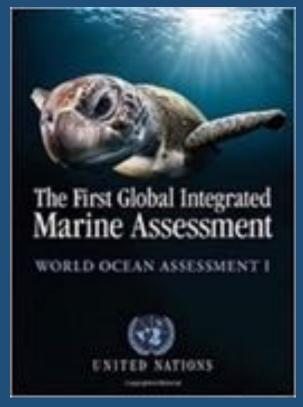


Intergovernmental UN platform for dialogue and cooperation in ocean science

Intergovernmental UN Platform to enable ocean science for addressing existential issues

#### 2016

# SDG14 of the 2030 Agenda



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









# Commitment of 17 Panel Countries to sustainably manage 100% of EEZ by 2025



## **5** key sectors for transformation:

- 1. Food (x6)
- 2. Energy ( x 40 )
- 3. Low carbon transport & ports
- 4. Ocean restoration / protection
- 5. Tourism

- 20% of Carbon emissions gap
- GDP of 15 T\$ by 2050

## 5 "enablers" for:

# "Sustainable Ocean Planning"

- 1. Stopping land-based pollution
- 2. Innovative lower-risk finance
- 3. Upgrading ocean accounting
- 4. Data + guidance (= science)
- 5. Ocean planning

+

6. Climate change mitigation/adaptation

# **Key Ocean Management Domains**



Coastal zone management and adaptation



Marine Spatial Planning/
Sustainable ocean economy



BBNJ, LMEs
MPAs, ecosystem
restoration



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



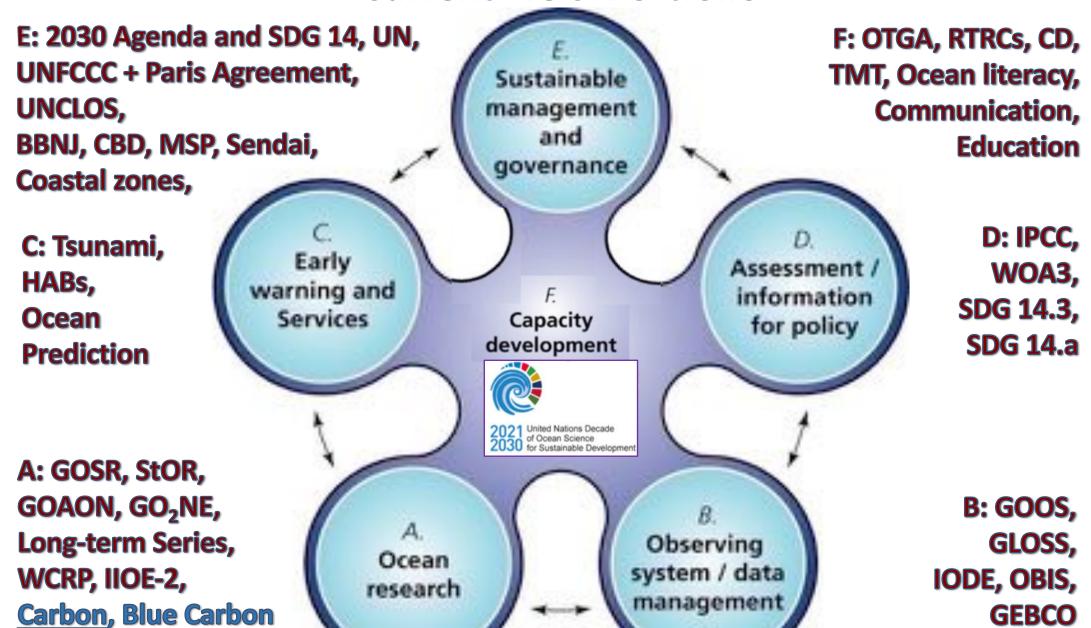
Regional and national capacity development



Early warning systems



## **Current IOC Portfolio**





The science we need for the ocean we want

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

## **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

#### **ENDORSED OCEAN DECADE ACTIONS**

214 PROGRAMMES

214 PROJECTS

69 CONTRIBUTIONS

420 ACTIVITIES





14 COUNTRIES

8 WOMEN

7 MEN

3 MEETINGS

#### REGIONAL AND NATIONAL COORDINATION

COUNTRIES

7

REGIONAL TASKFORCES AND PROGRAMMES

Я

DECADE IMPLEMENTING PARTNERS



34

NATIONAL DECADE COMMITTEES

9

DECADE COLLABORATIVE CENTRES/ COORDINATION OFFICES

#### **ENGAGEMENT AND OUTREACH**



1 MILLION REACH 10 PATRONS AND
16 INSTITUTIONAL
MEMBERS OF THE
DOEAN DECADE
ALLIANCE

( © ? <sup>™</sup>

OVER 20 MEMBERS OF THE FOUNDATIONS DIALOGUE

5 INFORMAL IRKING GROUPS



MBERS ON TH

MEMBERS ON THE OCEAN DECADE NETWORK

#### **IOC WORK ON BLUE CARBON**

#### The Blue Carbon Initiative (BCI):

- Support scientific research on blue carbon
- Methods for assessing blue carbon stocks and emissions
- Provide policy guidance (e.g., NDCs guidance)

### **International Partnership for Blue Carbon (IPBC):**

- 1) Increase international commitments to protect coastal blue carbon ecosystems
- 2) Improve national policies
- 3) Accelerate on-the-ground action (Blue Carbon Accelerator Fund)

## Global Ocean Decade Programme for Blue Carbon (GO-BC):

- Enhance scientific cooperation at global/regional level
- Coordinate capacity building activities



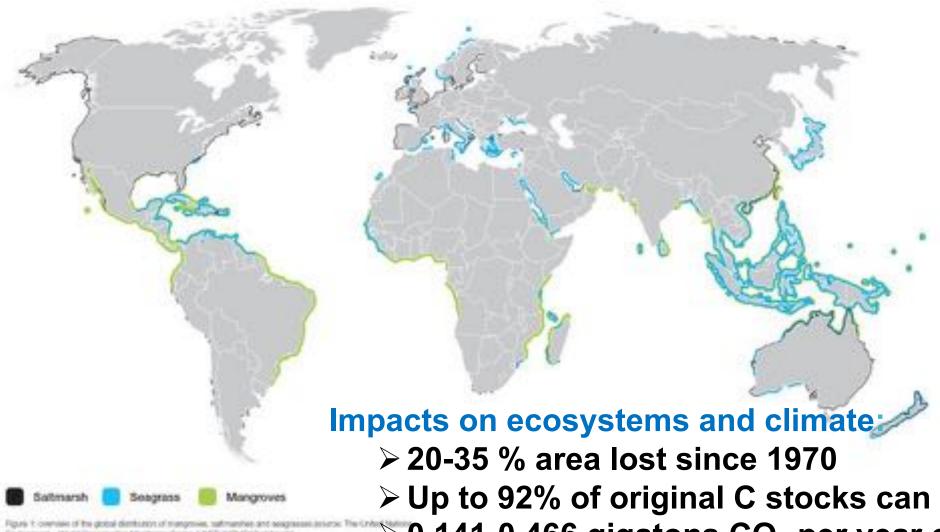














> Up to 92% of original C stocks can be released back

> 0.141-0.466 gigatons CO<sub>2</sub> per year could be avoided by preventing degradation of blue carbon ecosystems

## Ocean in UN Frameworks





8 GOOD JOBS AND ECONOMIC GROWT





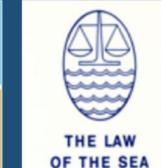












+ BBNJ





Convention on **Biological Diversity** 

**Kunming-Montreal GBF** 

**Ocean-Climate Dialogue** 















+ ILBI on Plastic Pollution 2024





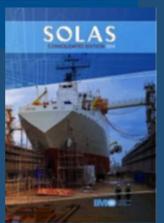


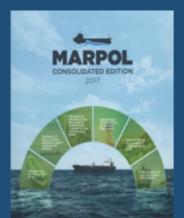
**Sendai Framework for Disaster Risk Reduction** 

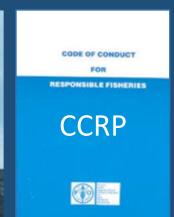
2015 - 2030















# More Effective Approach to Ocean Issues in UN



Agencies, Conventions, Frameworks, Protocols





**Private Sector** 

Science Community

Ocean Science - Policy interface



For the 1<sup>st</sup> time in history this is feasible (+ more effective):

climate-smart, ecosystem-focussed, ethical & equitable ocean management on the basis of science-supported planning for a sustainable blue economy

(UN needs a consolidated approach, call it an SDG14 Plan)