

IOC EC-53

Agenda item 3



United Nations  
Educational, Scientific and  
Cultural Organization



Intergovernmental  
Oceanographic  
Commission

# Report of Executive Secretary on Programme and Budget Implementation

(for the time period since Assembly-30 in June/July 2019)

**Dr Vladimir Ryabinin and IOC Team**

*UNESCO, 3 February 2021*



# Existing, Developing, Emerging and Potential Components of IOC Work

Regular  
Mandate

Decade

BBNJ

UNFCCC



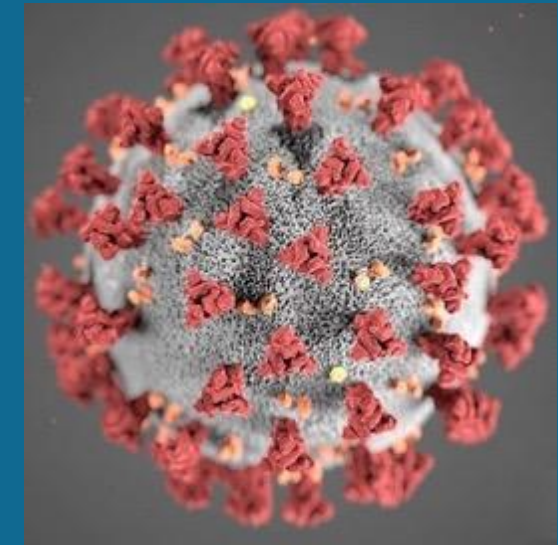
# July 2019 – February 2021: key Influencers



**Decade**



**High-Level Panel  
for a Sustainable  
Ocean Economy**



**Covid-19**

**Remedial actions  
and course correction**



# Existing, Emerging and Potential Components of IOC Work

2020-2021



**Integrated Ocean Management**

These factors will keep shaping the future of IOC work

# Growing IOC External Partnership Portfolio

UN & UN Agencies, Intergovernmental Organizations, International Organizations  
Non-governmental Organizations, **Philanthropy**, Associations, Institutes, Projects

MoUs to be signed with IGOs: Indian Ocean Rim Association, Pacific Community

## IOC in UNESCO: Highlights

- Support to IOC on importance and budget, major interest in the Decade
- Strategic Positioning – IOS review starting
- Priority work on **Africa, gender**, growing focus on **SIDS**
- IOC functional autonomy respected in UNESCO, double reporting
- Cooperation with UNESCO Sectors:  
SC (climate, hydrology, biodiversity); CLT (UCH), SHS (Ethics, AI), ED (OL)

# Reporting on IOC Functions – highlights only

**E:** contributions to 2030 Agenda and SDG 14, UN, UNFCCC + Paris Agreement, BBNJ, CBD, Sendai; Coastal zones, LME, ...

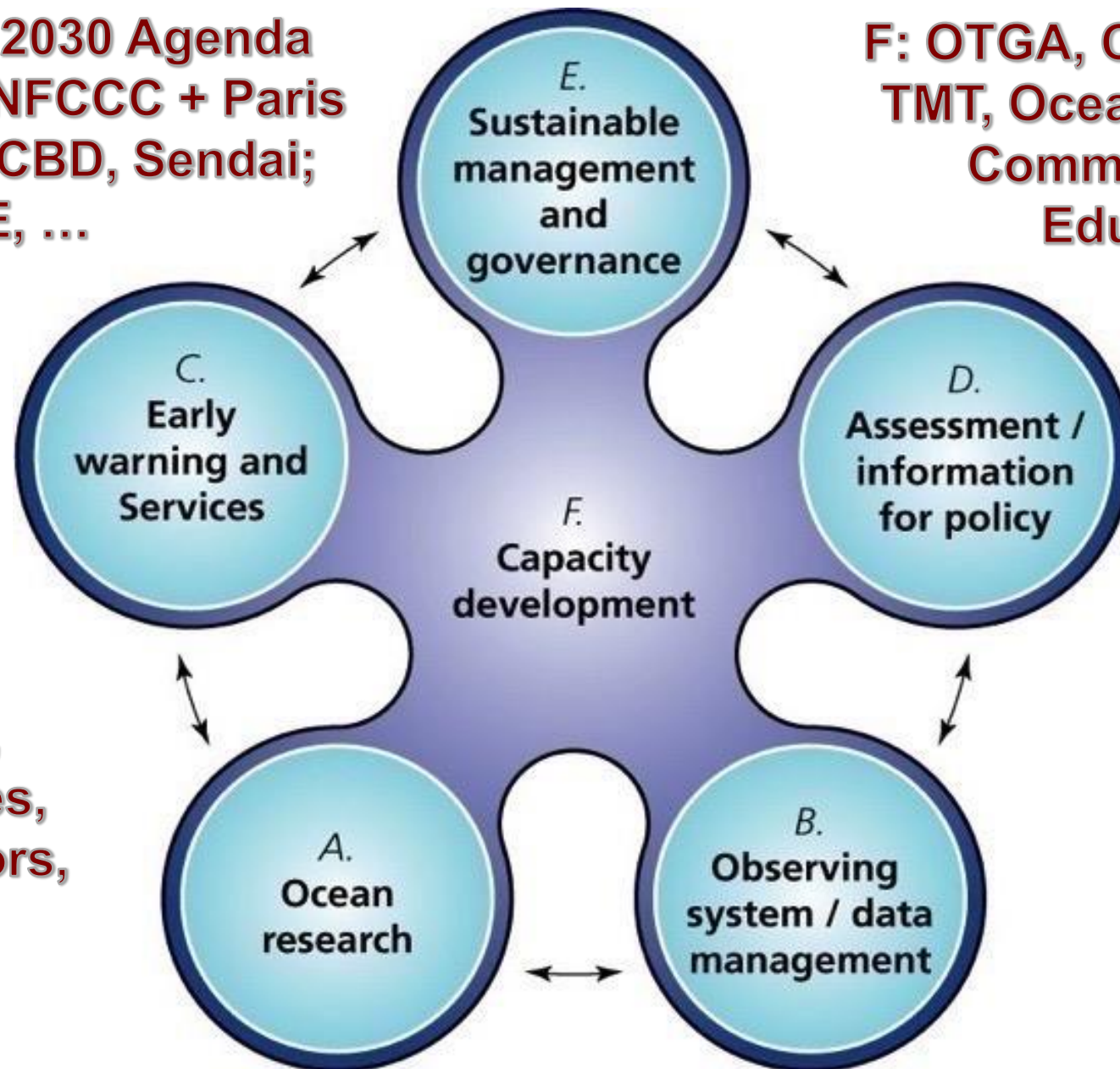
**F:** OTGA, CD, GOSR, TMT, Ocean literacy, Communication, Education, ...

**C:** Tsunami, HABs, Ocean Prediction and Services, WMO/IOC JCB, ...

**D:** IPCC, WOA, SDG 14.3, SDG 14.a, GEBCO, ...

**A:** IIOE-2, GOAON, GO<sub>2</sub>NE, Time Series, TrendsPO, Stressors, Carbon, GESAMP, WCRP, ...

**B:** GOOS, GLOSS, IODE, OBIS, ...



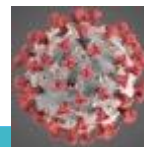


GOSR portal – place to access and update data <https://gosr.ioc-unesco.org/>

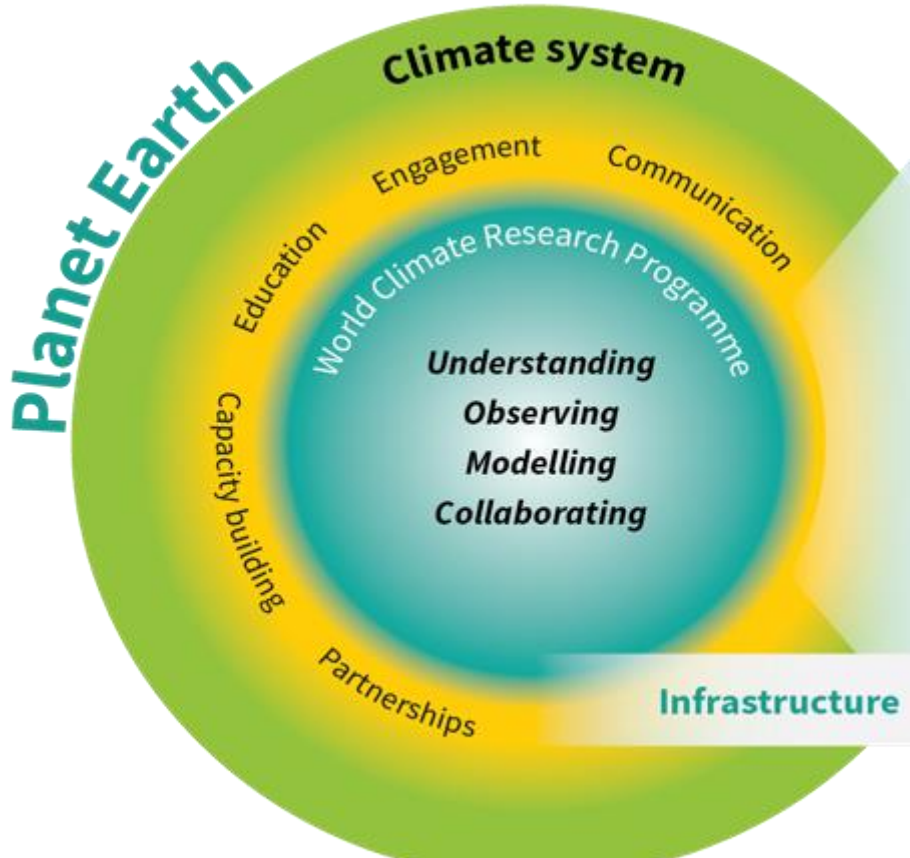
SDG Indicator 14.a.1 (**IOC - custodian agency for the indicator**): proportion of total research budget assigned to ocean science:  
**now globally 1,7%**

Confirmed the + role of international cooperation  
Benchmark at the start of the Decade

**Analysis of Covid-19 impact on ocean science, 2021**



# Function A



- 1 *Fundamental understanding of the climate system*
- 2 *Prediction of the near-term evolution of the climate system*
- 3 *Long-term response of the climate system*
- 4 *Bridging climate science and society*

Interactions across spatial and temporal scales

- Earth System Change
- My Climate Risk
- Digital Earths
- Safe Landing Climates
- WCRP Academy



Appropriate new Sponsorship MoU to be worked on



# Function A

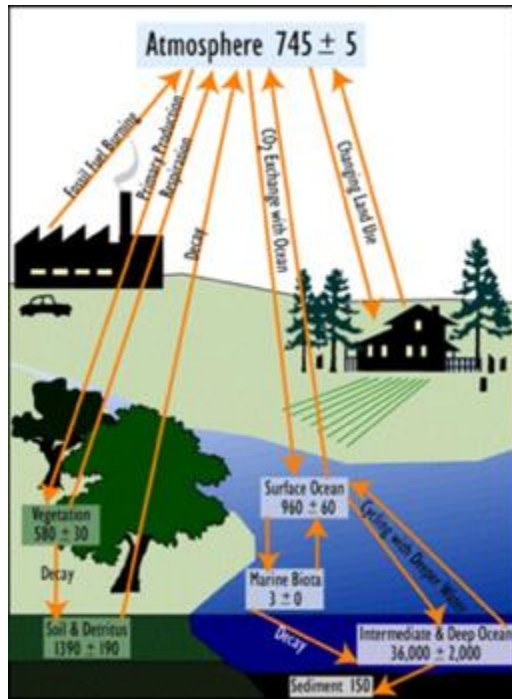
# Integrated Ocean Carbon Research (IOC-R)

## Current Objectives:

*Decrease uncertainty and understand processes. - **+28%***

## Future Objectives

*Climate Mitigation and Ocean Ecosystem Health - **22%?***



**98**

**GESAMP**  
Joint Group of Experts on the Scientific Aspects of Marine Environmental Protection

**HIGH LEVEL REVIEW OF A WIDE RANGE OF PROPOSED MARINE GEOENGINEERING TECHNIQUES**

**GESAMP WORKING GROUP 41**

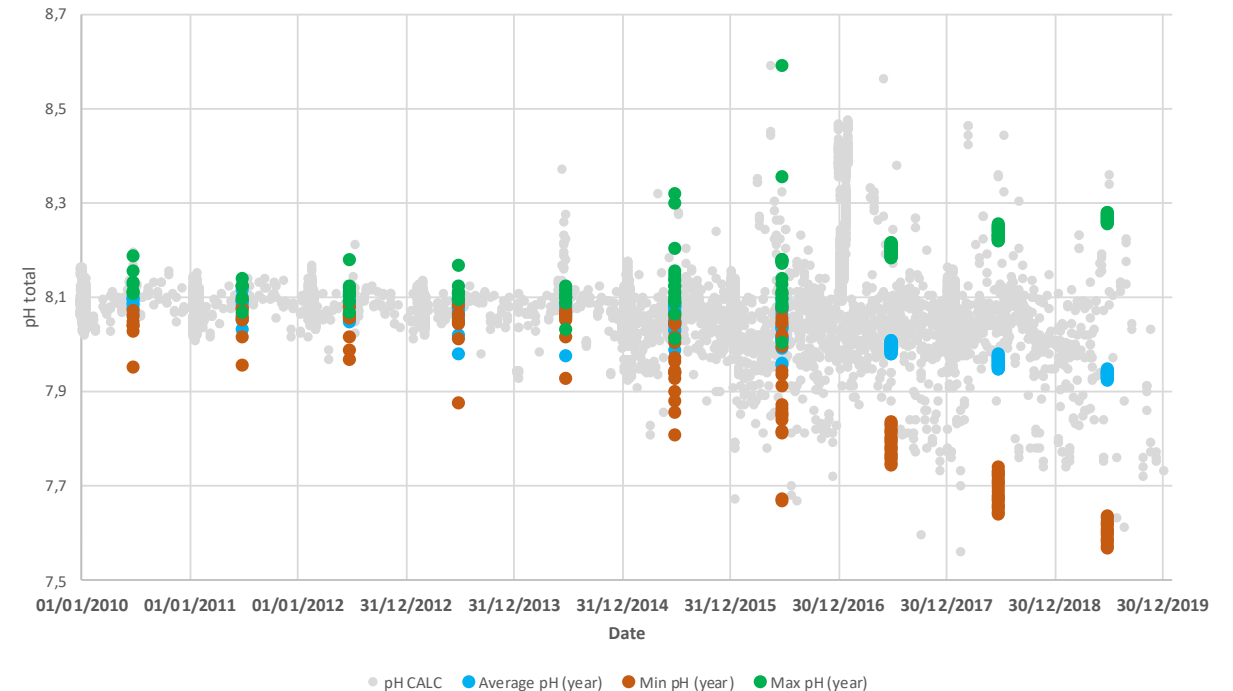
**REPORTS AND STUDIES**

IMO, FAO, UNESCO, IOC, WMO, UNDO, IEA, UN, UNDP, ISA, UN environment

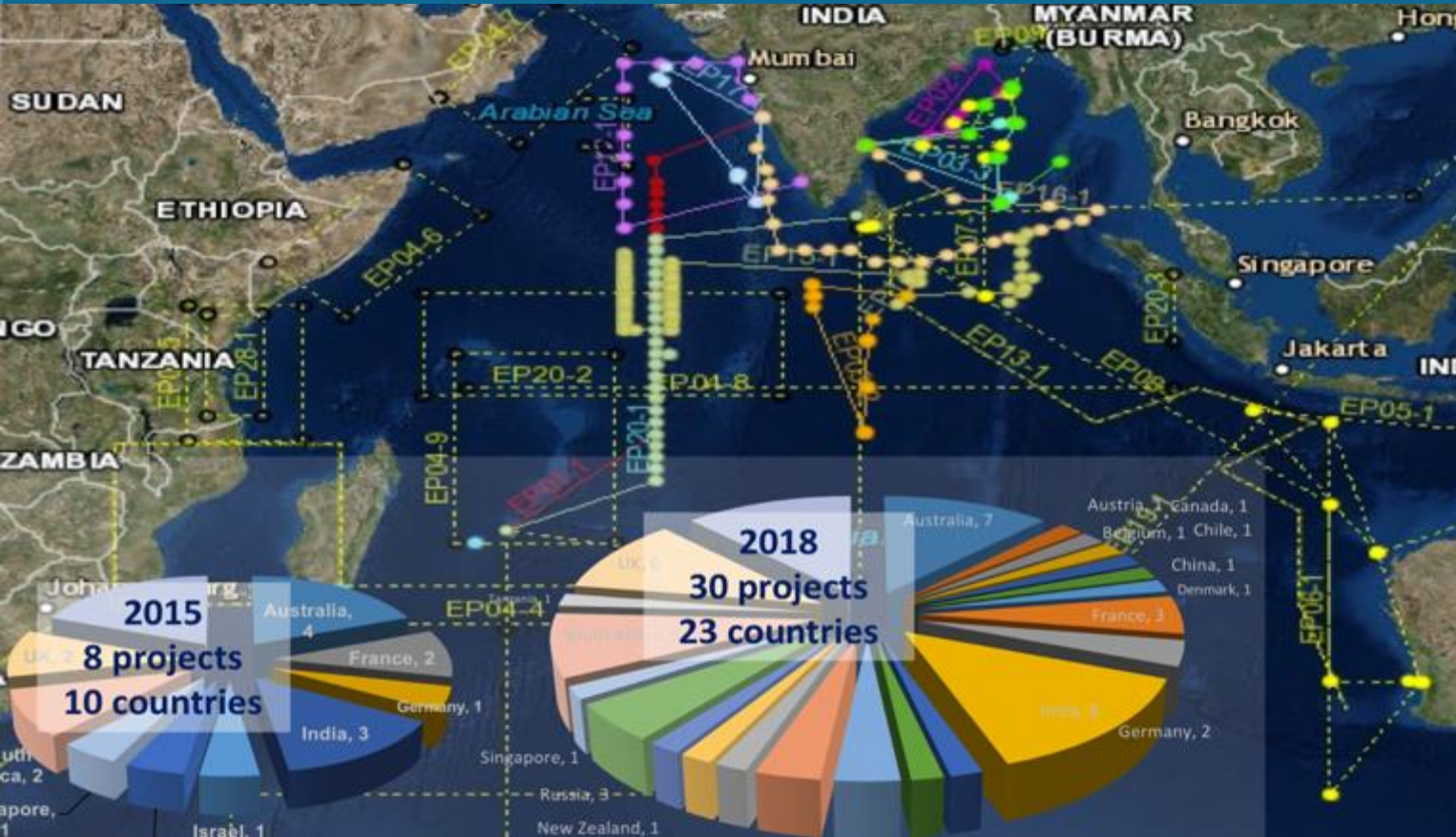
**SDG Indicator 14.3.1:** Average marine acidity (pH) measured at agreed suite of representative sampling stations (**IOC - custodian agency for the indicator**).

Reporting via the Ocean Acidification data portal: <https://oa.iode.org/>

(With strong support by GOAON)



# IIOE-2 (2015->2020->2025)



## Perth Programme Office (PPO)

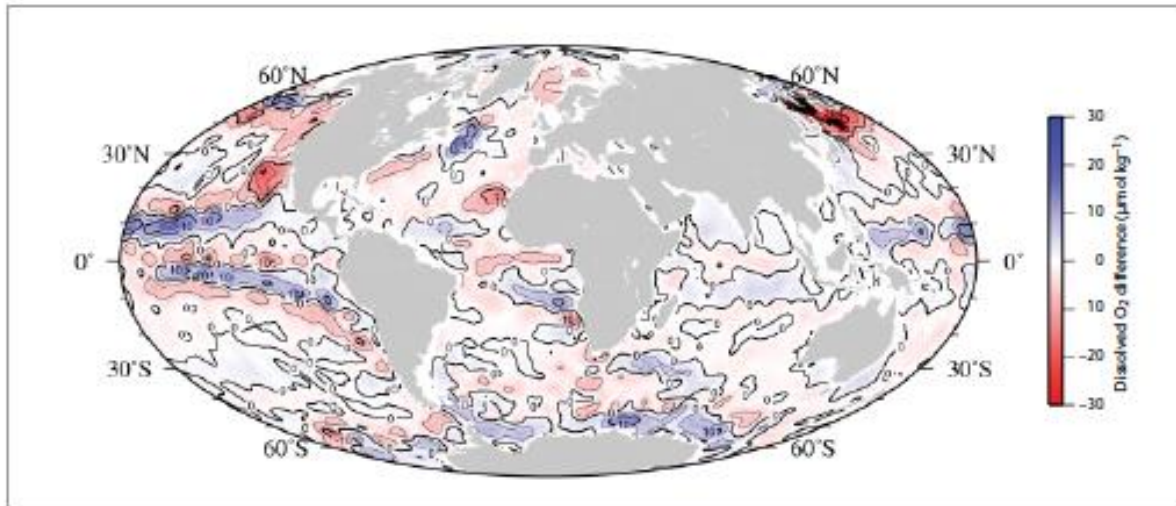
Change in modality of the Western Australian Government support:

- Cash support for 2021-2024
- Change: to be used locally
- A Decade Collaborative Centre from 2022 considered with focus on the Australasian and Indo-Pacific regions, to be developed preferably before the IOC 31<sup>st</sup> Assembly

## Proposal: IOC State of the Ocean Report (StOR)

An annual, concise but comprehensive, source of key information about state of the ocean

### Ocean Deoxygenation data



### Ocean Variables

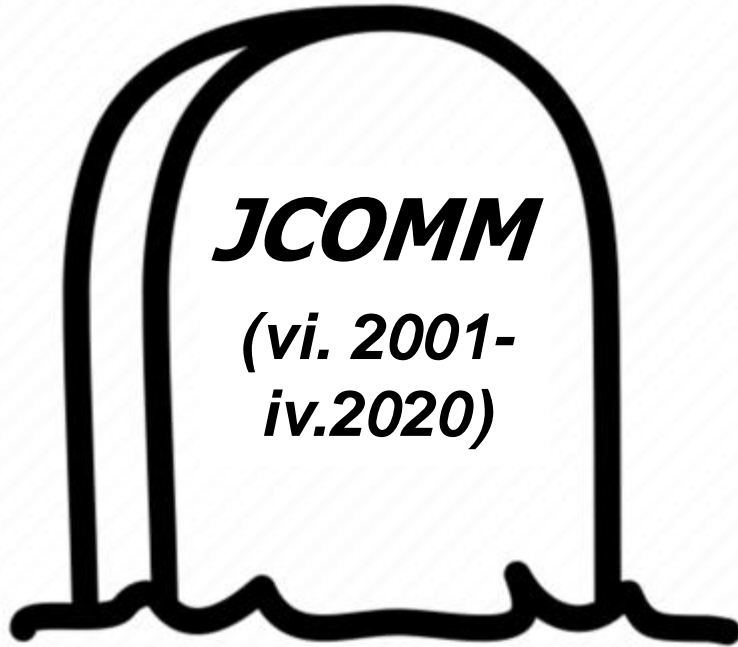
Status of ocean observation

Status of ocean planning

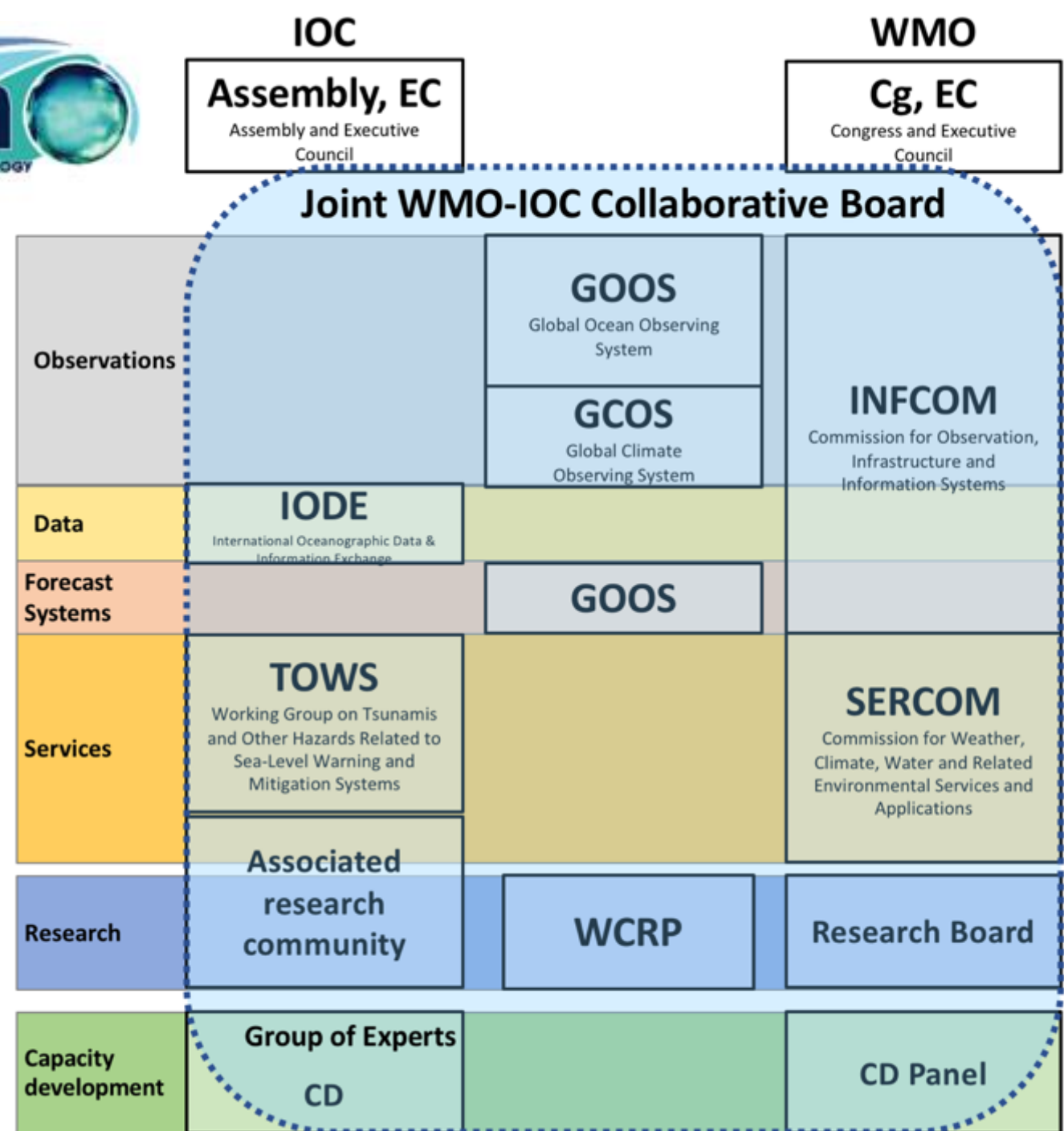
Status of ocean protection

...

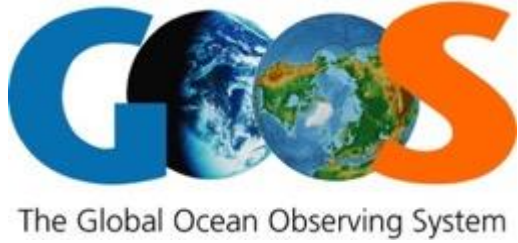
# Function B



**WMO/IOC Joint Collaborative Board:  
Plan of WMO and IOC cooperation: 2021 ->**



# Function B



Steering Committee Co-Chairs:  
Anya Waite & Toste Tanhua

- JCOMMOPS IOC/WMO joint office rebranded into OceanOPS
- 5-year strategy released
- 2020 Report Card on GOOS status (incl. COVID impact survey) using Sphilaus Ocean projection
- A WMO office in France/Brest, with financial support from WMO regular budget for manager
- Highlight: cooperation IOC/UNESCO & Vendée Globe Race



VENDÉE GLOBE: IMOCA SKIPPERS MAKE A LASTING CONTRIBUTION TO WEATHER AND CLIMATE FORECASTING



### VISION

To be the international hub and center of excellence that provides vital services in monitoring, coordinating, and integrating data and metadata, across an expanding network of global oceanographic and marine meteorological observing communities.



### MISSION

To monitor and report on the status of the global ocean observing system and networks, to use its central role to support efficient observing system operations, to ensure the transmission and timely exchange of high quality metadata, and to assist free and unrestricted data delivery to users across, operational services, climate and ocean health.



**Goal 1** Monitoring for the improvement of global ocean observing system performance

**Goal 2** Shape OceanOPS infrastructure for the future

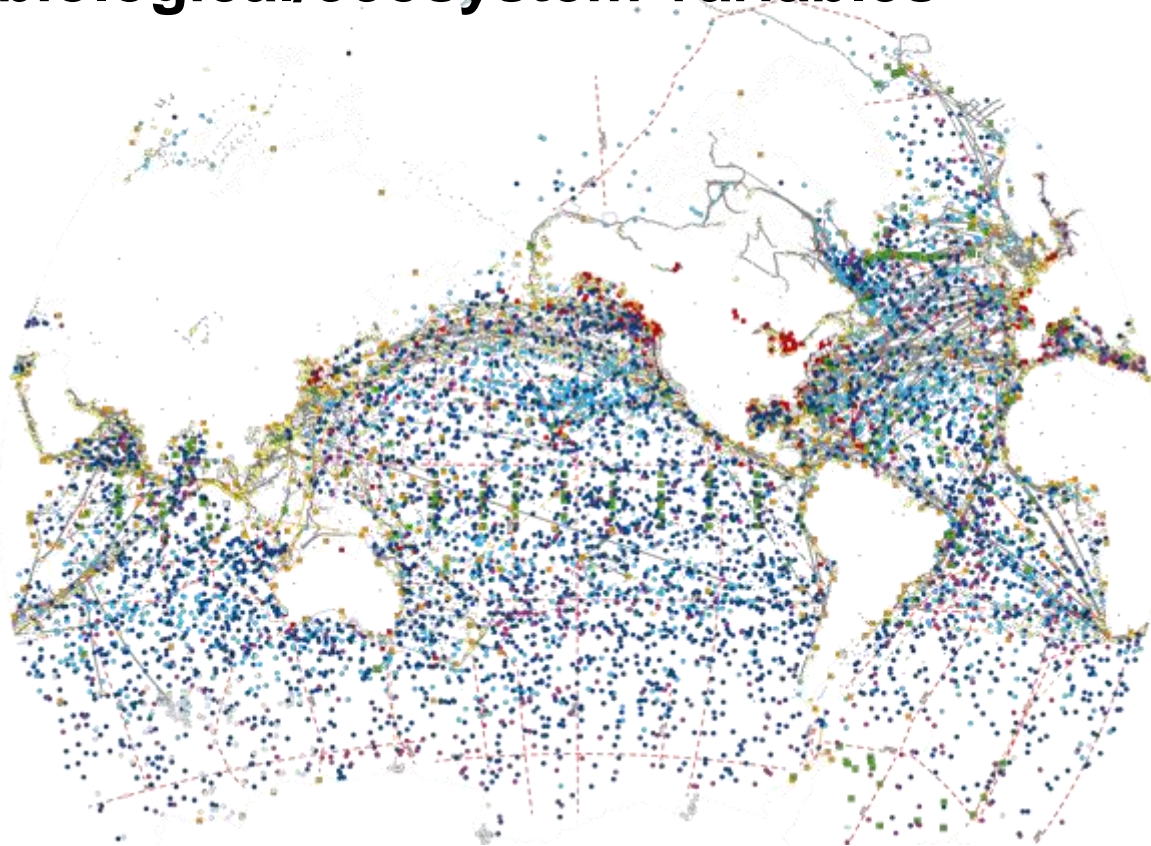
**Goal 3** Lead metadata standardization and integration across the global ocean observing networks

**Goal 4** Enable new data streams & networks

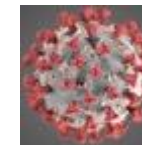
**Goal 5** Support and enhance the operations of the global ocean observing system

# Report Card 2020: state of observing system

- 9,349 *in situ* platforms by 86 Member States
- Increasing ability WRT biogeochemical and biological/ecosystem variables



Covid-19



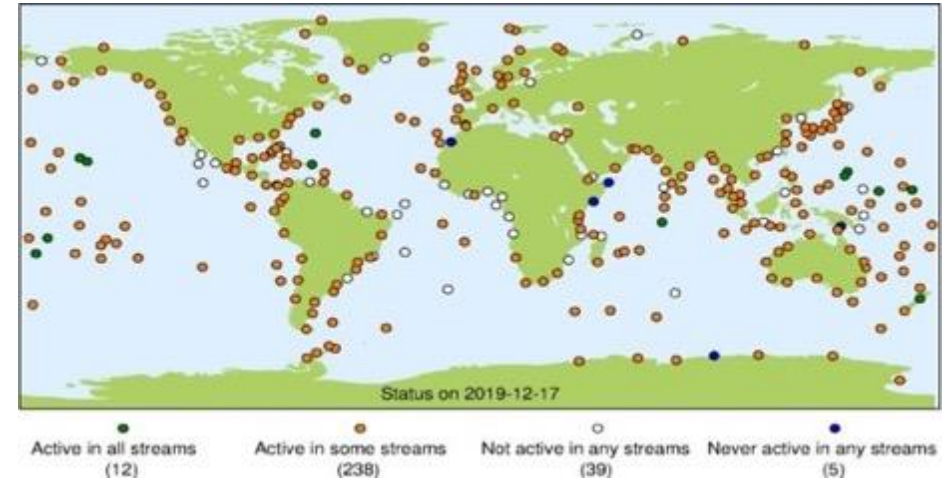
GOOS <i>in situ</i> networks	Covid-19 impact	
	June 2020	Projected status December 2020
Ship based meteorological measurements	Minor	Minor
Ship based aerological measurements	Minor	Minor
Ship based oceanographic measurements (XBT)	Major	Major
Sea level gauges	Minor	Minor
Drifting and polar buoys	Minor	Minor
Moored buoys	Minor	Minor
Interdisciplinary moorings	Medium	Medium
Profiling floats	Minor	Minor
Repeated hydrographic transects	Major	Medium
OceanGliders	Medium	Minor
HF radars	Minor	Minor
Animal borne ocean sensors	Minor	Medium



# Function B



- **GLOSS Data Archaeology (IOC, 10-12.3.2020)**
- **Manual on SL Measurements & Interpretation, Volume V: now available in 4 languages**
- **Manual on QC/QA.**



# GCOS

GLOBAL CLIMATE OBSERVING SYSTEM

< - > Review by Sponsors

# Function B



**On the rise. Several key activities started in 2020.**

**Funded by Government of Flanders, Kingdom of Belgium:**

- **IOC Ocean InfoHub, 2020-2023, access to marine and coastal data and information (focus on LAC, Africa, P-SIDS)**
- **CD: OceanTeacher Global Academy 2 project (to further improve the flagship IOC-OTGA initiative (focus on all regions)**
- **Pacific Islands Marine bioinvasions Alert Network 2020-2023 (P-SIDS)**

**Development of ODIS (e-environment for discovery of and access to data, information and associated products or services)**

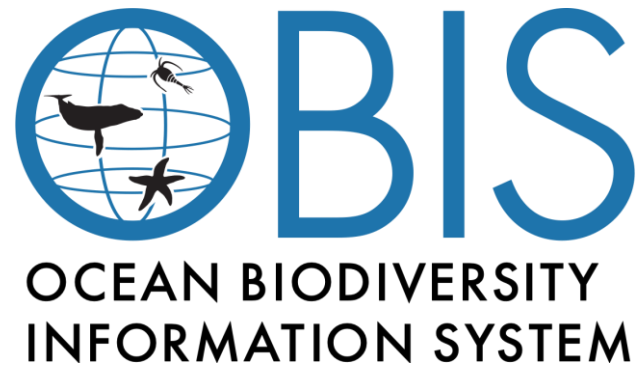
**WOD Cloud upgrade for submission and extraction of data to WOD (cooperation with RevOcean/ODF/C4IRO)**

**Data Community Building for the Decade. A Decade data conference.**



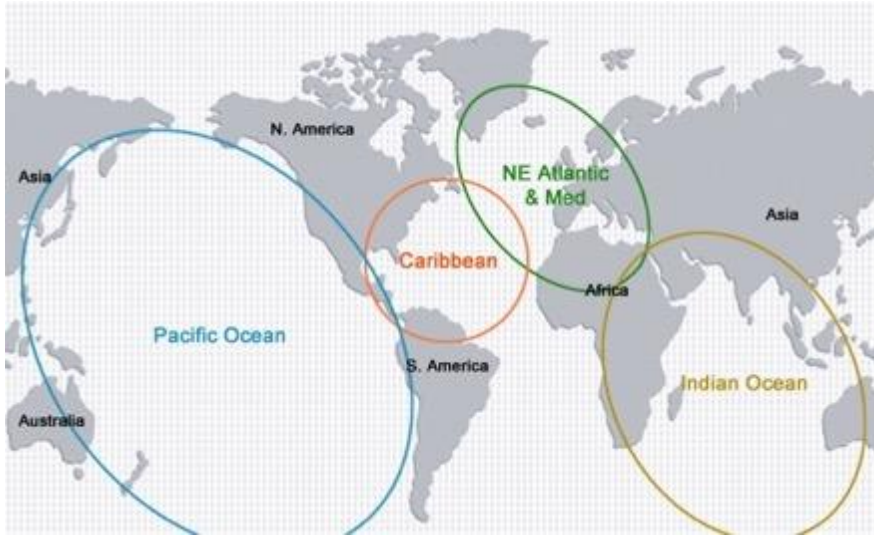
# Function B

---



- **20th Anniversary on 22 May 2020**
- **Changed name: Biogeographic -> Biodiversity**
- **Record number of new records in 2020: 6 million!**
- **± 65 M distribution records and 68 M measurements**





- Technical WG/TT/expert meetings/trainings
- CARIBEWave, IOWave, NEAMWave (some – postponed)
- **World Tsunami Awareness Day (WTAD) – 5<sup>th</sup> November 2020: a 30-day campaign with UNDRR including 5 regional webinars**
- **Central American Tsunami Advisory Center - in trial mode from August 2019**
- **South China Sea Tsunami Advisory Center - operational 6 November 2019**
- **IPMA (Portugal) accredited as Tsunami Service Provider (TSP) in NEAMTWS area**



# Function C

# Tsunami Warning Services



United Nations  
Educational, Scientific and  
Cultural Organization



Intergovernmental  
Oceanographic  
Commission

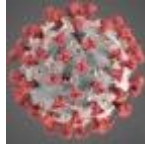


United Nations  
Educational, Scientific and  
Cultural Organization



Intergovernmental  
Oceanographic  
Commission

## COVID19



Short-term  
and long-term  
assessments



School as COVID19 Isolation Centre, Barbados

Asia-Pacific

**Tropical Cyclone Harold clean-up hampered by coronavirus with Vanuatu reluctant to open borders**



Badly damaged buildings are pictured near Vanuatu's capital of Port Vila after Tropical Cyclone Harold swept past  
Source: Getty Images



Intergovernmental Coordination Group for the  
Indian Ocean Tsunami Warning and Mitigation System  
(ICG/IOTWMS)

**Guidelines for Tsunami Warning Services,  
Evacuation, and Sheltering during COVID-19**

- **1<sup>st</sup> ever global IOC, ICES, PICES, IAEA Global HAB Status Report reporting on impacts of HABs to be launched February 2021**
- **IPHAB XV: online, March 2021**
- **Task Team on Early Detection, Warning & Forecasting HAB Events: Guidelines for EWS for HABs. FAO - implementer of demonstration project**
- **Joint with GESAMP, 2022: Open Science Meeting on drivers of *Sargassum* population dynamics as a basis for modelling, forecasting and mitigation.**
- **Best Practice Guidelines for the Study of HABs and Climate Change.**
- **IOC-SCOR GlobalHAB: [postponed](#).**

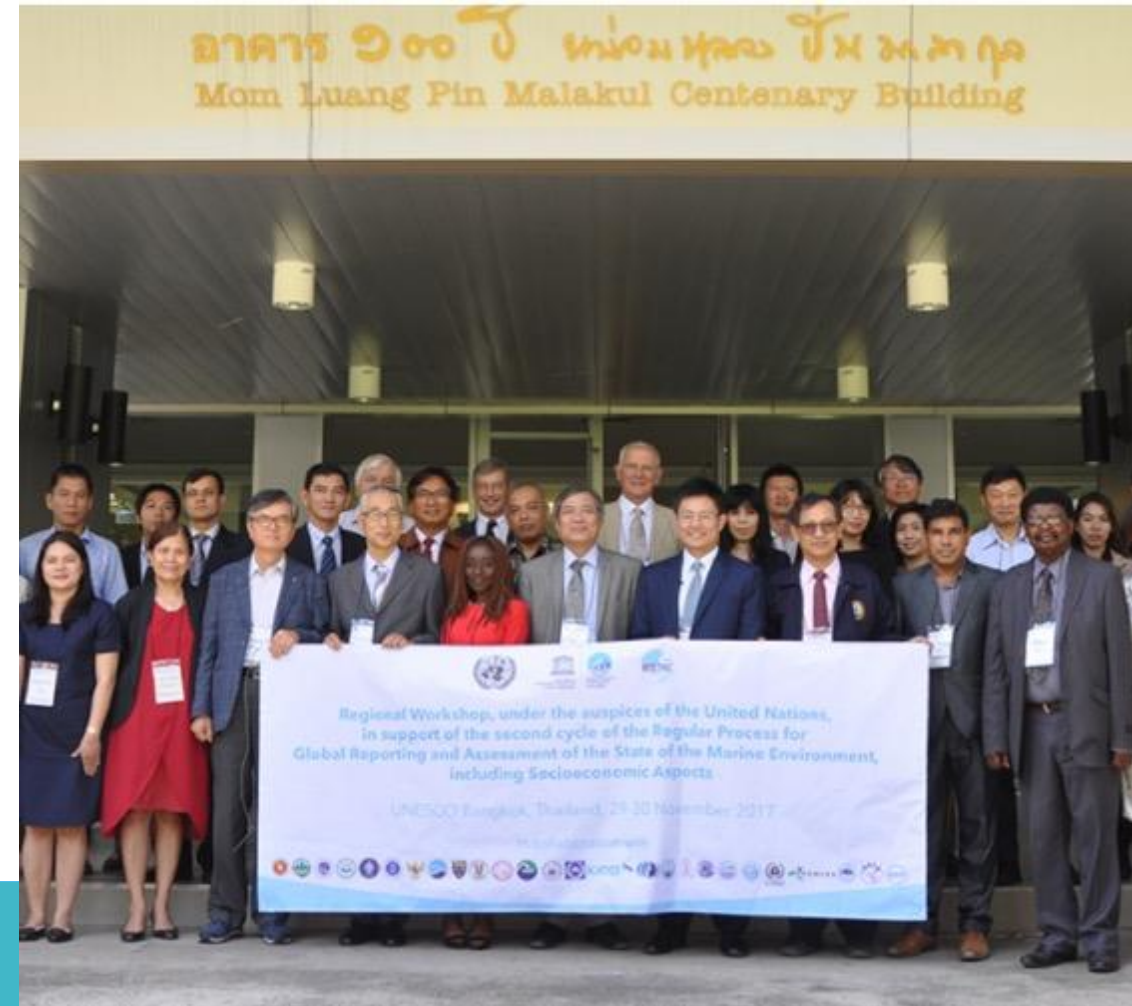


# Function D

## World Ocean Assessment 2<sup>nd</sup> Cycle



- IOC contributed data & information
- IOC recommends that UN agencies review the draft report of the 3<sup>rd</sup> cycle
- Exploring options with UN DOALOS to strengthen the links between the 3<sup>rd</sup> cycle of the Regular Process and the Ocean Decade (e.g. in CD and science – policy interface)
- In making: a joint event on the science-policy interface in advance of the launch of the 2<sup>nd</sup> WOA (date TBC)



# Function D (B)

**GEBCO**



- Hosting of the GEBCO Symposium and Guiding Committee – Focus on the UN Ocean Decade (January 2021)
- New GEBCO Chair, appointment of 2 new IOC members to GGC
- Seabed 2030 guidance through Sponsors meeting (with IHO and NF) and GEBCO GC
- IOC GEBCO User Requirement Working Group established (Chair: IOC Officer F. Nogueira, Report to IOC-XXXI)



THE NIPPON FOUNDATION-GEBCO



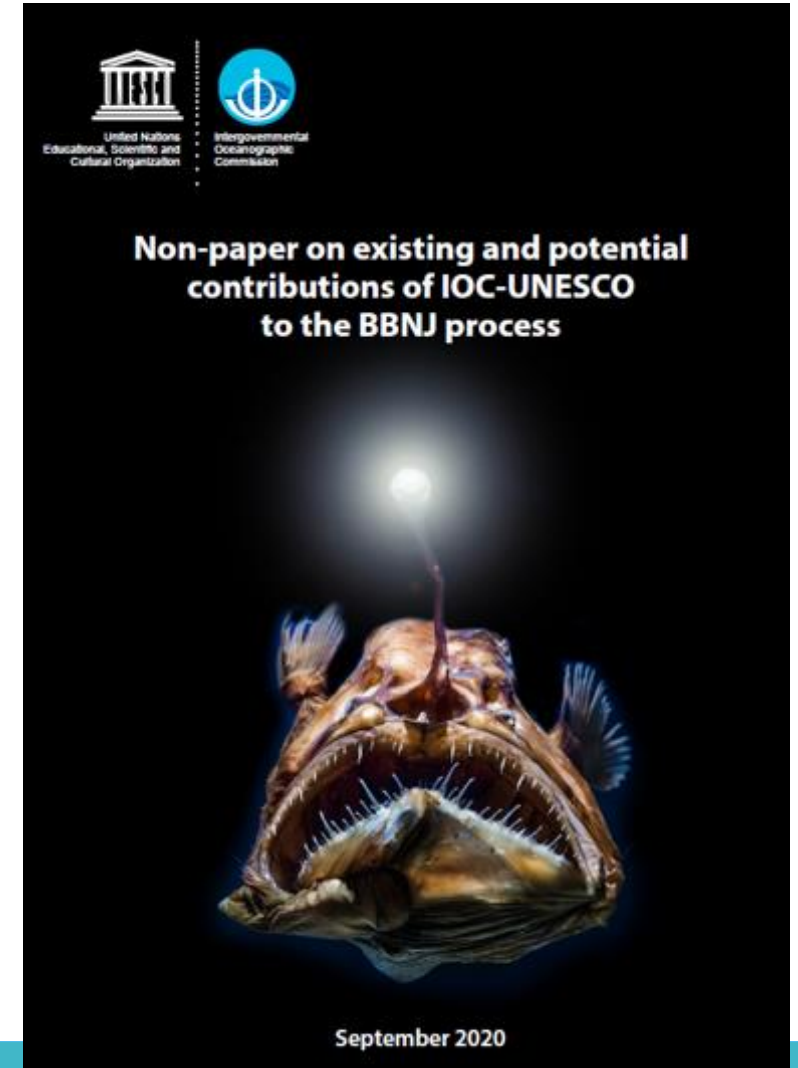
**6% -> 19%**



# Function E

## ILBI on BBNJ

- 4<sup>th</sup> meeting of UN Intergovernmental Conference suspended
- Revised draft text of ILBI (November 2019) refers to potential for IOC to manage Clearing House Mechanism on TMT
- IOC Non-Paper: describes existing, new & expanded services of the IOC that could support a future ILBI. It will inform intersessional work and negotiations when they recommence



# Function E (based on D)

# UNFCCC



- UNFCCC CoP-25 held in Madrid, Spain (December 2019)  
IOC: Ocean Day, UN-Oceans side event, Ocean Community
- Ocean – Climate Dialogue - mandated outcome of CoP-25:
- Road to CoP – 26 in Glasgow (“Blue CoP”?)

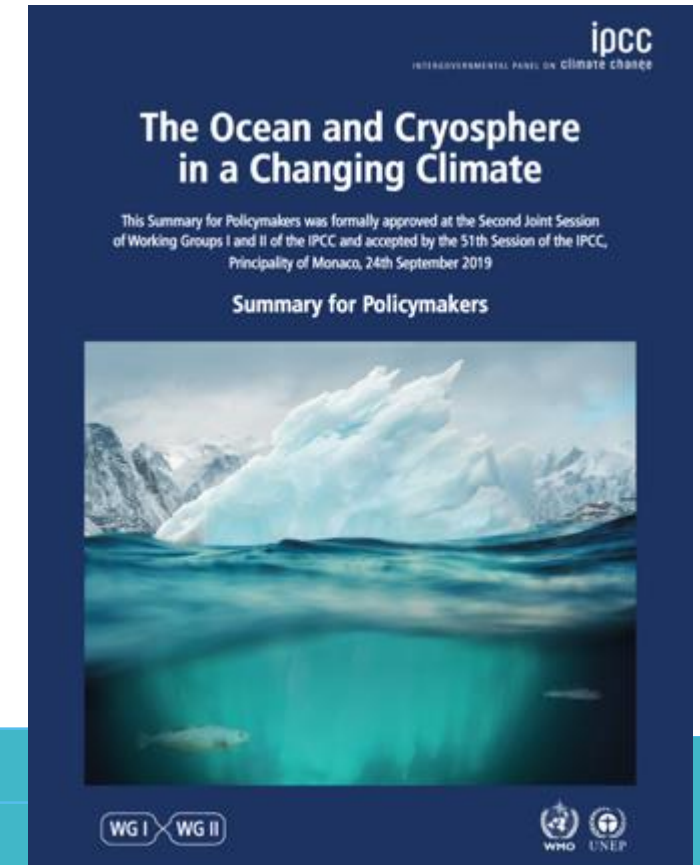
**Ocean and Climate  
Change Dialogue**  
to consider how to  
strengthen adaptation  
and mitigation action



United Nations  
Framework Convention on  
Climate Change



**2 December 2020**  
21:30–24:00 CET /  
08:30–11:00 (next day) Fiji time  
**3 December 2020**  
21:30–24:00 CET /  
08:30–11:00 (next day) Fiji time



- Involvement in developing a post-2020 global biodiversity framework (GBF)
- Input to the definition of targets and indicators for the post-2020 GBF, including Recommendations to ensure coordination with OBIS and GOOS
- Exploring opportunities for synergies between post-2020 GBF and Ocean Decade
  - monitoring and evaluation framework
  - joint analysis of ocean science priorities



# Function E



HIGH LEVEL PANEL for  
**A SUSTAINABLE  
OCEAN ECONOMY**



- IOC - in Advisory Network, Peter Haugan – Expert Group Co-Chair
- Report: *“Ocean knowledge for a sustainable ocean economy: Synergies between the Ocean Decade and the outcomes of the High Level Ocean Panel”* :
  1. Analyse synergies between the Ocean Panel and the Ocean Decade
  2. Set out a process to develop joint initiatives so that ocean knowledge can underpin sustainable and equitable development
- IOC is a partner in the Sustainable Ocean Plan Action Coalition





## MSPglobal ONLINE EVENTS APR – DEC 2020



40  
EVENTS IN  
6  
LANGUAGES



MORE THAN  
5,000  
PARTICIPANTS



MORE THAN  
100  
COUNTRIES  
INVOLVED



TOPICS

- ✓ Climate Change
- ✓ Participative Mapping
- ✓ Gender
- ✓ ICAM/ICZM
- ✓ Ecosystem-based Management
- ✓ Blue Economy
- ...and others!



United Nations  
Educational, Scientific and  
Cultural Organization



Intergovernmental  
Oceanographic  
Commission



Sustainable  
Development  
Goals

marine  
spatial  
planning  
global



Co-funded by the  
European Maritime and  
Fisheries Fund  
of the European Union

# Function E

## ICAM, Blue Economy for SIDS and Coastal Risk Reduction for local communities



National Consultants to summarize lessons learned and best practices of managing coastal risk from a local community perspective

ANGOLA	BANGLADESH	COSTA RICA	GABON	GHANA	LEBANON
Silvi	Sanjoy	Natalia	Brice	Kwadwo	Vera

MYANMAR	SENEGAL	URUGUAY	VENEZUELA	GLOBAL
Thet	Nassirou	Monica	Patricia	Bruce

National Consultants to support national consultations and strengthen knowledge on environmental pressures across borders

GULF OF GUINEA	CAMEROON	MOZAMBIQUE	GABON	KENYA
Donatus	Kamdoum	Eulalia	Brice	Jacqueline

National Consultants to support Blue Economy activities in SIDS

TRINIDAD AND TOBAGO	CABO VERDE		
Sarah	Ryan	Marina	Jorge

National Consultants to support the organization of trainings on Marine Spatial Planning and Sustainable Blue Economy

CARIB./LAT. AM.	COSTA RICA	EL SALVADOR	GHANA	GHANA
Porfirio	Natalia	Jose	Alberta	Kwadwo

GUATEMALA	KENYA	LEBANON	MADAGASCAR	MAURITIUS
Christian	Abbie	Vera	Andriantsilavo	Sharveen

MEXICO	MOZAMBIQUE	TANZANIA
Antonio	Clousa	Maria

Technical report on the status of coastal vulnerability African

WORKBOOK  
A Step-by-Step Approach  
HOW TO REDUCE COASTAL HAZARD RISK IN YOUR COMMUNITY

COMMUNITY GUIDE  
A Step-by-Step Approach  
HOW TO REDUCE COASTAL HAZARD RISK IN YOUR COMMUNITY

EN FR ES PT  
AR CN RU



### GEF IV: LEARN Phase V

- Next phase of signature GEF knowledge management and coordination initiative in partnership with UNDP, UNEP and others
- IOC Executing agency building on its work in LMEs, MSP
- Project submitted for GEF CEO Endorsement: January - February 2021

### Sargasso Sea

- Foundational GEF project in partnership with UNDP, for the stewardship of the Sargasso Sea – Pilot approach for ABNJ Management
- Project preparation phase launched – September 2020



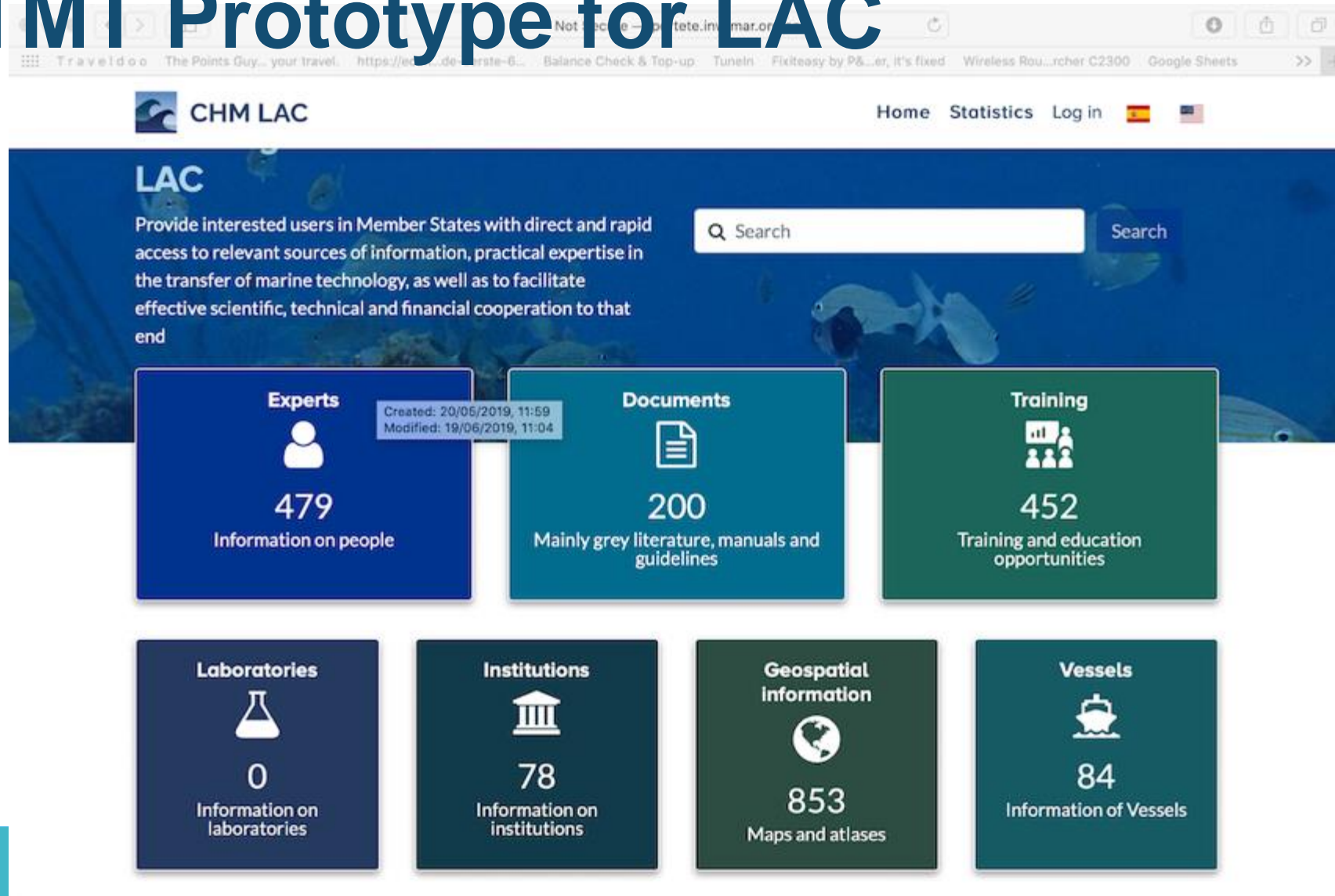
- **April 2020:**  
**OceanTeacher Global Academy - 2 project**  
**(Government of Flanders, Kingdom of Belgium) → new region – Pacific!**
- **September 2020:**  
**Launch of the second IOC Capacity Development Needs Assessment Survey**
  - **9096 emails sent to 115 developing country Member States.**  
**996 surveys filled (11% response rate - below average (29%) for online surveys.**
  - **Out of 115 developing country Member States only 18 responded.**
- **October 2020:**  
**Second Session of the IOC Group of Experts on Capacity Development**  
**Ariel Troisi and Alan Evans re-elected as co-Chairs**  
**More at IOC-31**
- **Good Work of UNESCO C2C Centres in I.R. Iran, India, emerging C2C in Philippines, Chairs**



# Function F

## Capacity Development

# CHM/TMT Prototype for LAC

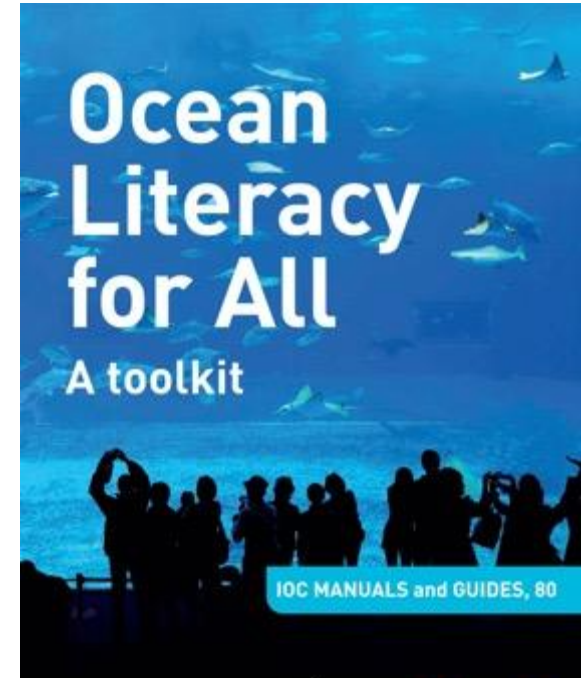
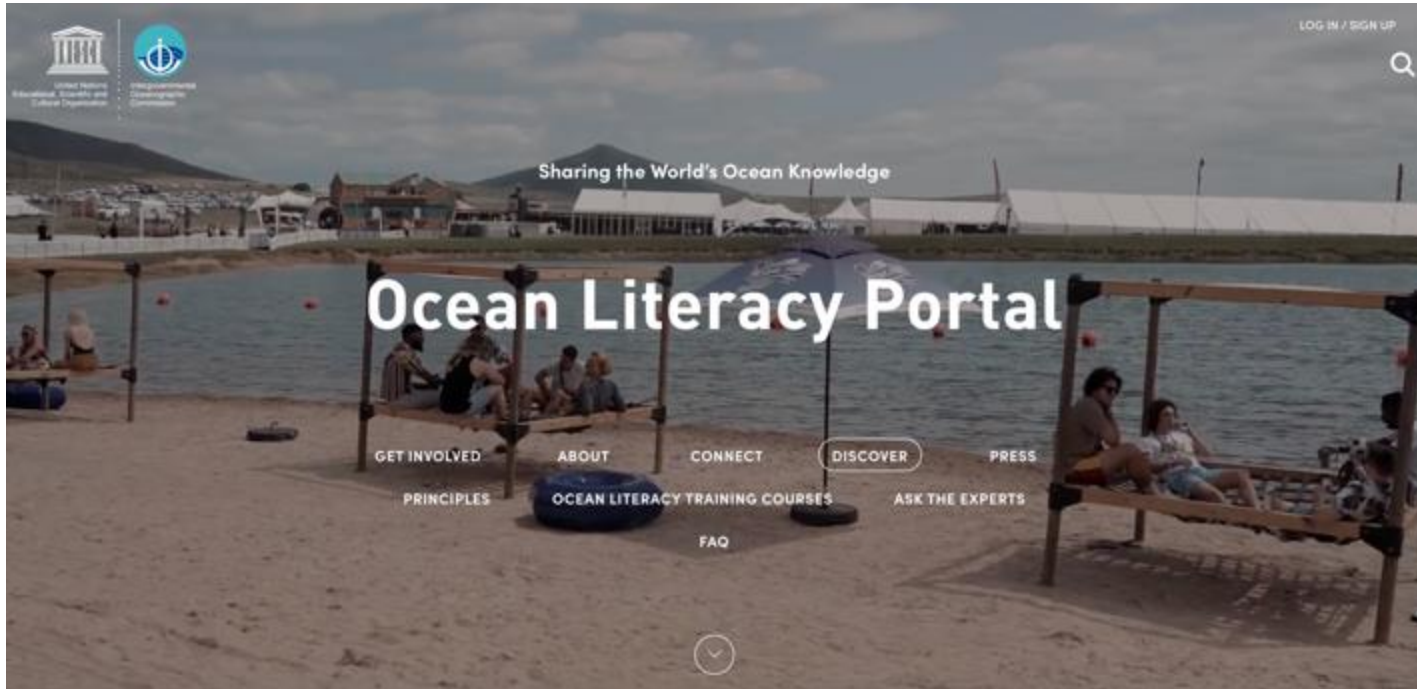


# Function F

# Ocean Literacy

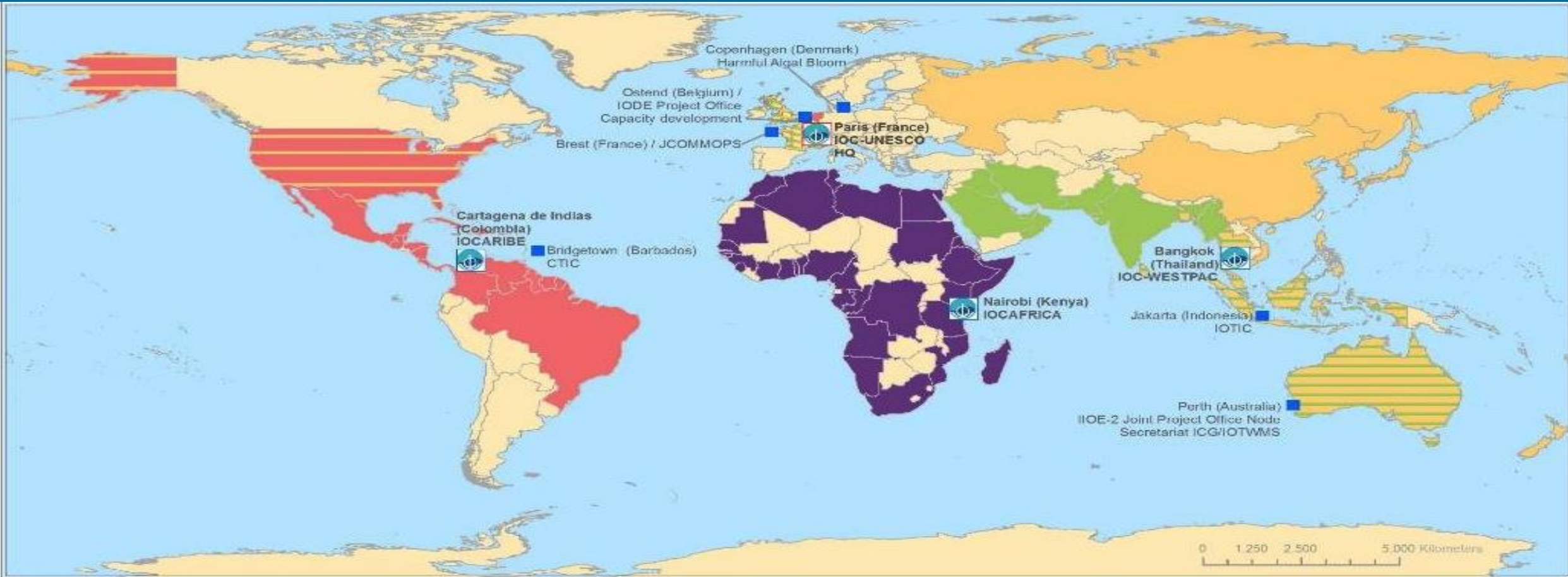


Significant outreach, planning, design efforts



Tested in schools of 36 countries

# IOC work in the regions *(Think globally – act locally)*



IOC-UNESCO/MPR, 2016

The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the IOC-UNESCO.

- |   |                           |   |                                   |
|---|---------------------------|---|-----------------------------------|
|  | IOCAFRICA Member States   |  | IOC-UNESCO Secretariat            |
|  | IOCARIBE Member States    |  | IOC Sub-Commissions               |
|  | IOCINDIO Member States    |  | IOC Programme and Project Offices |
|  | IOC-WESTPAC Member States |   |                                   |

# IOCARIBE (“renessanse” due to covid?)



United Nations  
Educational, Scientific and  
Cultural Organization



Intergovernmental  
Oceanographic  
Commission

## Sargassum:

### Information Hub

4 Sargassum Webinars with UNEP, GESAMP, GlobalHAB

Sargassum Monitoring / Forecasting System under development with NOAA and UNEP

HAB-ANCA: Implementing IOC Ciguatera Strategy.

Focus on national standards

CLME+ Training & Capacity Development Portal launched

Caribbean Marine Atlas Project: progress

MSP: 8 regional workshops/webinars

IOCARIBE & IHO Regional work on seabed mapping

LAC Ocean InfoHub



- ✓ **Survey for the comprehensive proposal for an African Ocean Observing System**
- ✓ **Regional node for the Ocean Info Hub**
- ✓ **Preparation of training materials for regional training courses impacted by the COVID-19 pandemic, to be organized virtually**
- ✓ **MSP consultations in 10 Member States**  
**Cameroun, Cape Verde, Gabon, Ghana, Kenya, Madagascar, Mauritius, Morocco, Mozambique, and Tanzania.**  
**MSP workshop for Gulf of Guinea.**
- ✓ **Other workshops:**
  - **Canary Current Eastern Boundary Upwelling workshop (Cape Verde)**
  - **Tsunamis and other ocean related hazards (Egypt, Nigeria), with UNDRR**
  - **Virtual conferences on Sargassum (joint with IOCARIBE and UNEP)**



# WESTPAC development since June 2019



## July-Dec 2019: Field activities

Seawater collection and handling for carbonate chemistry, 19 Dec 2019



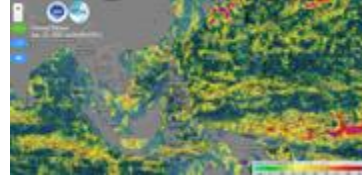
RTRC-MarBEST on Assessment of Carbon Stock and Sequestration in Seagrass, 4-12 Nov 2019, Bintan Island, Indonesia



RTRC-ODC training on Air-Sea Interactions, 17-28 Jun 2019, Qingdao, China



A Harmful Jellyfish Sampling Protocol Workshop 7-9 Aug 2019, Penang, Malaysia



Ocean Forecasting Services for Coral Reef Conservation, 11-13 Sep 2019, Phuket, Thailand



Distribution, Source, Fate and impact of marine microplastics, 6-8 Nov 2019, Shanghai, China



InOcean Oxygen Network 20-22 Nov 2019, Manila, the Philippines

## 2020: Webinar Series

## UNESCO/IOC Regional Network of Training and Research Centers (RTRCs) on Marine Science in the Western Pacific

- Ocean Dynamics and Climate: First Institute of Oceanography, MNR, China
- Marine Biodiversity and Ecosystem Health: Indonesian Institute of Sciences
- Reef Management and Restoration: University of the Philippines Diliman
- Marine Toxins and Seafood Safety: Institute of Oceanography, Vietnam
- Marine Plastic Debris and Microplastics: East China Normal University
- Phuket Marine Biological Center, Thailand



# IOCINDIO

**IOC/INF-1394**  
Paris, 4 January 2021  
English only

**Decision IOC-XXX/3.3.4 by IOC-30: IOCINDIO Chair to prepare, with the help of the IOC Secretariat, a proposal for changing the status of IOCINDIO that would contain the mission, the objectives, terms of references, budgetary implications, secretarial arrangements and other necessary provisions.**

**THE CASE FOR A NEW GOVERNANCE FOR IOCINDIO:  
A PROPOSAL FOR CHANGING THE STATUS OF IOCINDIO IN A SUB-COMMISSION  
OF IOC FOR THE INDIAN OCEAN**

**Online Consultation of IOC Member States:  
on 16 February 2021**  
Responsible: Mr Justin Ahanhanzo, IOC

**Further elaboration:  
IOCINDIO-VIII,  
to take place before IOC-31**

**Area? Impact on WESTPAC & IOCAFRICA? Interest of MS? Commitments?**

# Communication

- Team
- New website
- Newsletter
- Social media
- The World Oceans Day
- Communication by programmes
- Press (articles in leading magazines), TV
- Generation Ocean
- Goodwill Ambassadors
- Outreach, partnerships
- IOC branding within UNESCO

**SAVE THE DATE**  
**A BRAVE NEW OCEAN**  
HIGH-LEVEL VIRTUAL EVENT  
FEBRUARY 2021 16.15H CET

United Nations Educational, Scientific and Cultural Organization | Intergovernmental Oceanographic Commission

## One Planet, One Ocean

Select Language | Search

### Member States Portal

ENTER PORTAL

**2nd International Indian Ocean Expedition**  
2015-2025  
(A basin-wide research program co-sponsored by IOC-UNESCO, SCOR and IGOOS)

## Newsletter

Volume 4, Issue 12  
December, 2020

**euronews.eco**  
environment coastal & offshore

### Harmful Algae News

An IOC Newsletter on Toxic Algal Blooms  
No. 64 - December 2020 - www.ioc-seafood.org/Tab

#### The Recurring Great Atlantic Sargassum Belt Impacts the Caribbean and South Florida

**Content**

- Featured article: The Recurring Great Atlantic Sargassum Belt (Dr. Bruce Logan) ... 1
- Baselin WAs**  
Ciguatera moves from imported reef fish to New Zealand ... 2  
IP reports of ciguatera in a tropical lagoon in the Gulf of Guinea ... 3
- Other IAOB Reports**  
Mortality impact of toxic Dinophytes on six Southern shellfish farms ... 4  
Bloom of *Gyrodinium aureolum* in the Gulf of Mexico ... 5
- Networking and Science Communication**  
New Global IAOB Thematic Sargassum Bloom ... 11  
IP-IOB Science Centre ... 12  
Inaugural Workshop: Collaborate with the Citizens ... 14
- Calendar**  
Low Altitude Wind ... 15  
Mozambique Sargassum ... 16  
Hazard IP-IOB 2021 ... 17  
Call for abstracts ... 18

**ICHA**  
IOC INTERNATIONAL COASTAL HAZARD ASSOCIATION



## Budget implementation 2018-2019

- Reference document IOC/EC-53/3.1(2) of 14 May 2020 Part I
- Implemented according to adopted workplans – total expenditure \$24.5M

## Budget Outline 2020-2021

- Reference document IOC/EC-53/3.1(2) of 14 May 2020 Part II
- Workplans developed consistent with Resolution XXX-3 and IOC-XXX/2 Annex 9 - based on the appropriated regular programme budget of \$ 534.6M for UNESCO (US\$ 11M for IOC)
- XB SECURED AT 31.12.2019 - \$ 2.6M; XB GAP - \$ 13.2M; TOTAL - \$ 26.6M

**XB Gap Filling overall on track but uneven among functions and mostly tightly earmarked, similar to 2018-2019**

**COVID-19: expenditure rate at 30 June 2020 = 18% (UNESCO average) vs 25% linear rate**



# The Ocean We Want



United Nations  
Educational, Scientific and  
Cultural Organization

Intergovernmental  
Oceanographic  
Commission

Ocean  
We  
Want

Scientifically  
Sustainably  
Managed  
Ocean



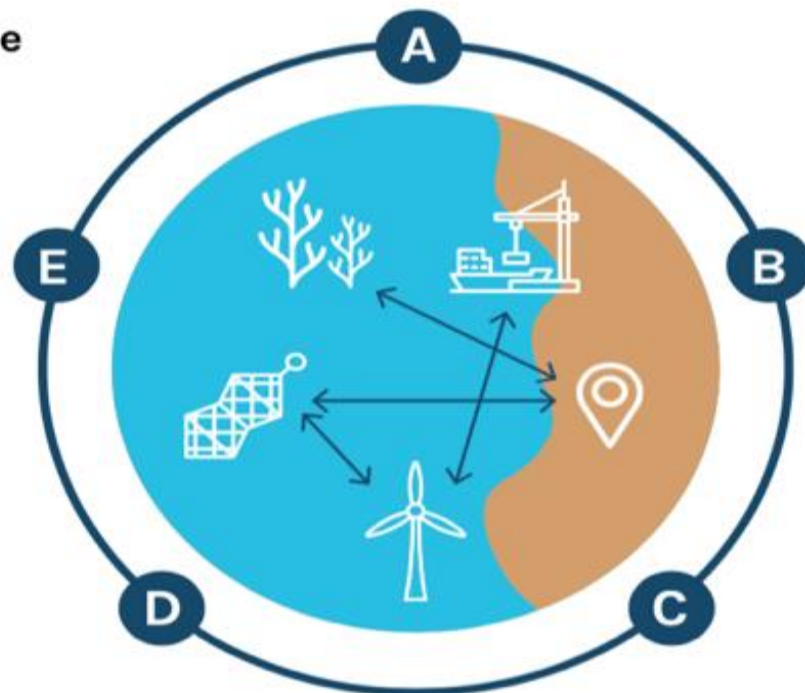
**WE COMMIT**  
to sustainably manage  
100% of the ocean area  
under national jurisdiction, by 2025.








HIGH LEVEL PANEL for  
A SUSTAINABLE  
OCEAN ECONOMY

Five cross-cutting enablers for a sustainable ocean economy

- A) Data reform
- B) Goal-oriented ocean planning
- C) Innovative finance and de-risking
- D) Stopping land-based pollution
- E) Upgrading ocean accounting



Five key sectors to be transformed towards a sustainable ocean economy

-  Sustainable ocean food production **x6**
-  Clean ocean energy **x40**
-  Low carbon transportation and ports **20% -> 1,5°**
-  Ocean restoration and protection **15T\$**
-  Tourism

# Summary

- **Active, successful implementation of the Programme, despite Covid-19**
- **Explosive increase in outreach due to the online mode of work**
- **Leadership position, largely due to the Decade**
- **IOC or Decade? IOC and Decade?**
- **IOC is the smallest but one of most successful parts of UNESCO**
- **No way to increase the RP budget - > no prospects for staff and hardship for program work. More output for the same price. But is it sustainable?**
- **IOC-31: presentation on healthy and optimal IOC**
- **We can save the ocean, we can start managing it sustainably, IOC may have a critical role in that development, but for that IOC has to have the resources. Do Member States want this?**

**True leadership/commitment by Chair and Officers,  
hardest work by most of Secretariat**

**THANK YOU!**

