

IOC-31

Items 3.2, 4.1, 4.2



3.2 Report of Executive Secretary
4.1 IOC Medium-Term Strategy
4.2 IOC Program and Budget

Dr Vladimir Ryabinin, Executive Secretary, and IOC team

15 June 2021

IOC-30 (July 2019)



Outline

1. IOC in UNESCO, UN, world
2. IOC developments
3. Decade
4. Ocean management perspectives
5. IOC MTS 2022-2029
6. IOC Program and Budget
7. Summary/conclusions



Outline

1. IOC - in UNESCO, UN, world



2. IOC developments (largest part of report)



3. Decade



4. Ocean management perspectives



5. IOC MTS 2022-2029



6. IOC Program and Budget



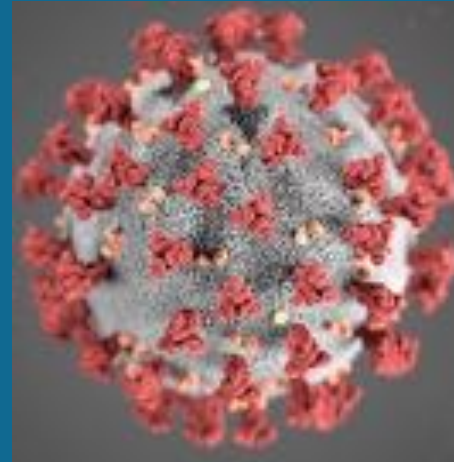
(large scale issues, please only refer to IOC/A-31/3.2.Doc(1), Add, Doc(2), Doc (3), 4.1 Doc, 4.2 (Doc) and many INF documents)

IOC-30 (July 2019) – IOC-31 (May 2021): Key IOC Influencers



Decade

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



Covid-19

**Remedial actions
and course correction**



**UNESCO
planning,
budgeting,
reporting,
preparing
for GC-41**

UNESCO



- **General Conference - 41 – November 2021**
- **Medium Term Strategy (C4) – 2022-2029**
- **Strategic transformation including field network optimization**
- **Budget (C5) discussions, same envelope expected, for UNESCO & IOC**
- **Global Priorities of Africa and Gender Equality remaining, focus on SIDS strengthening**

IOC in UNESCO

- **Growing interest by UNESCO Member States, especially in the Decade**
- **Cooperation with UNESCO Sectors: SC (climate, hydrology, biodiversity, SIDS); CLT (UCH), SHS (Ethics, AI), ED (OL)**
- **New SIDS Unit in Science Sector + post in Kingston**
- **Strategic Positioning – IOS review by OpenCities**
- **Corporate approach to be followed, e.g. in communication, logos**



IOC in United Nations



- **2030 Agenda and UN Decade of Action for Sustainable Development**
- **UN Decade of Ecosystem Restoration (UNEP/FAO)**
- **UN – Oceans**
- **UN Conference of the Ocean – now 2022**
- **UN Agencies: CBD, DOALOS, FAO, GEF, IAEA, IMO (WMO), ISA, UNDP, UNEP, UNU, WHO, WMO ...**

WMO:
WCRP, GOOS, GCOS
JCOMM -> JCB:
Joint
Collaborative
Strategy

Expanding circle of partners

- **IGOs: EC (DGs), ICES, PICES, IUCN, IHO, CPPS, SPC, IPCC, OECD...**
- **International Organizations: SCOR, ICSU->ISC, ...**
- **NGOs: GOF, Suez, The Economist, UN Global Compact, WOC, RevOcean, several foundations, ...**
- **Associations, Institutes, Projects: POGO, EMB, VLIZ, JPI, Communities for Ocean Action, Friends of Ocean Action, OKAN of Future Earth, ...**

Outline

1. IOC in UNESCO, UN, world

**2. IOC developments
(by far largest part of report)**



3. Decade

4. Ocean management perspectives

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Existing and Emerging Components of IOC Work



**Science for
Integrated
Ocean
Management**

These factors will keep shaping the future of IOC work

IOC work on Functions – highlights only

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

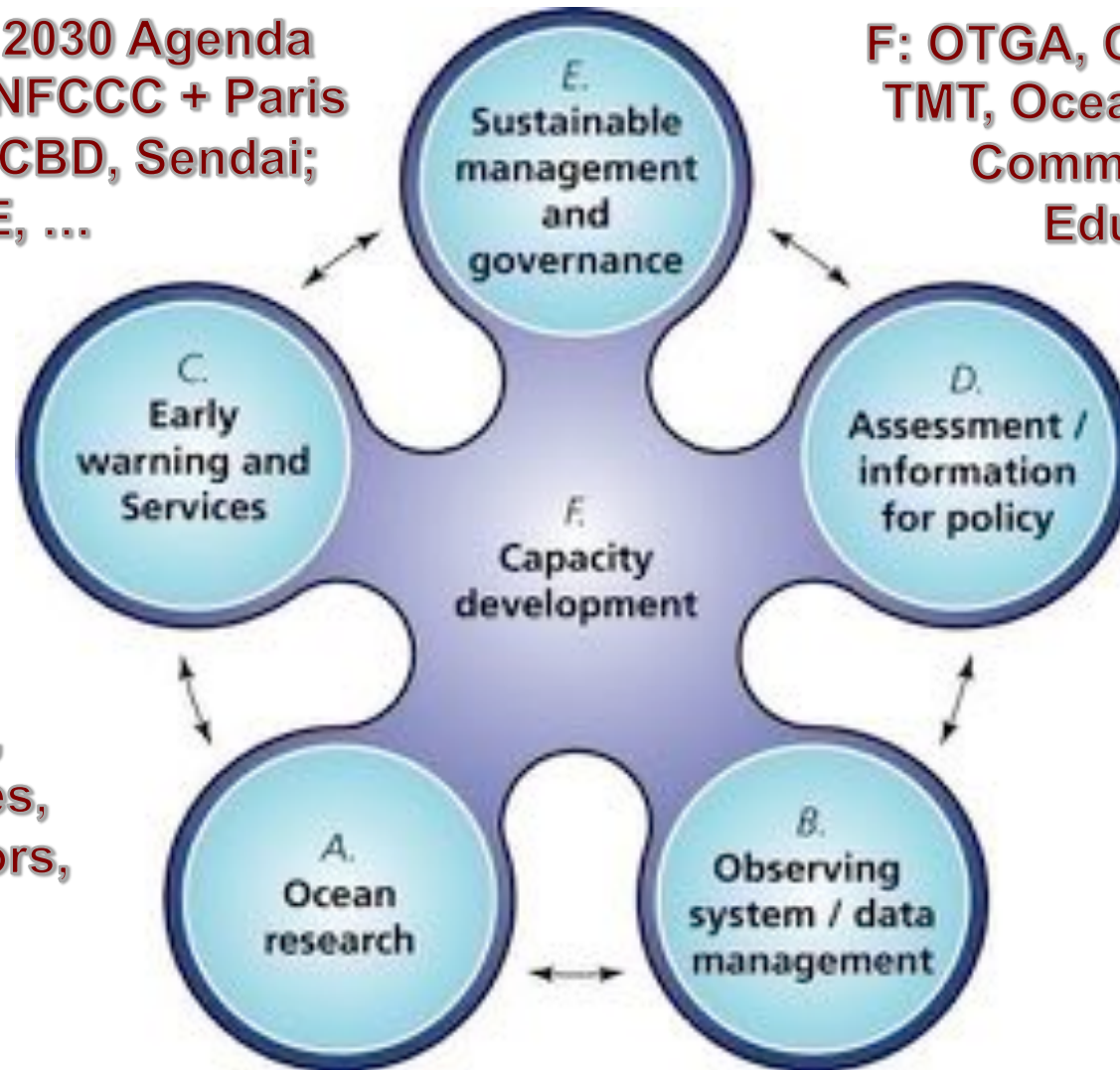
F: OTGA, CD, GOSR, TMT, Ocean literacy, Communication, Education, ...

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

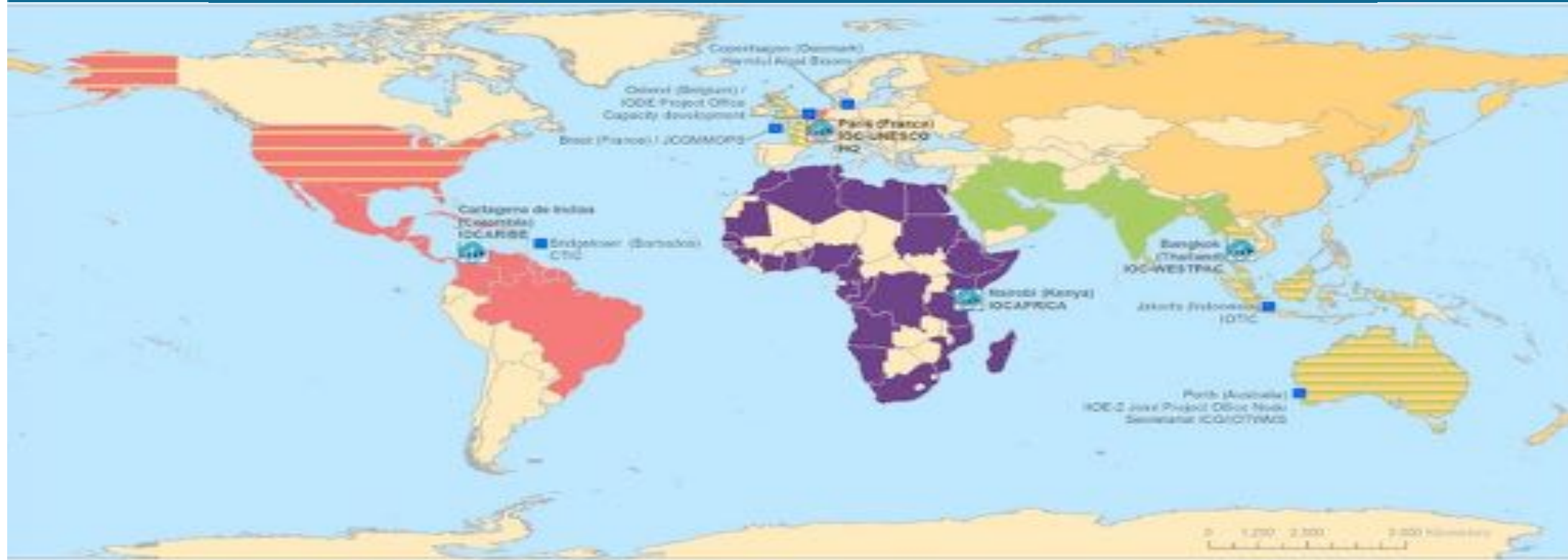
D: IPCC, WOA, IPBES, SDG 14.3, SDG 14.a, GEBCO, ...

A: IIOE-2, GOAON, GO₂NE, Time Series, TrendsPO, Stressors, Carbon, GESAMP, WCRP, ...

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



IOC work in the regions (IOCINDIO transformation process)

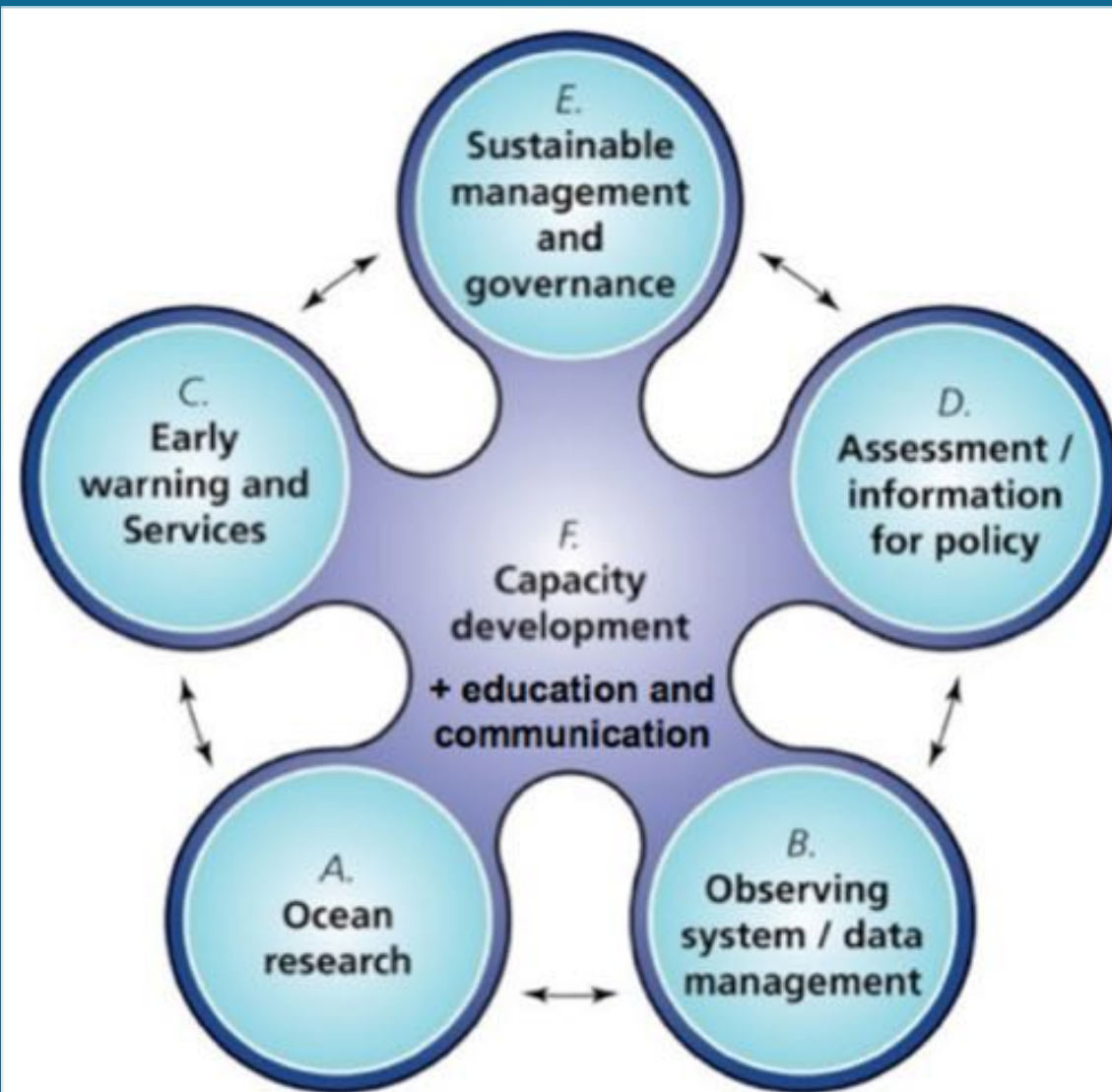


IOC-UNESCO/MPR, 2016

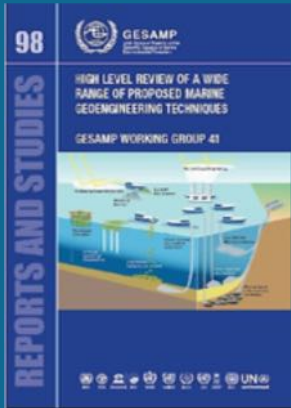
The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the IOC-UNESCO.



Reporting on IOC Functions – Highlights only



Function A: Research (1)



HL Review of marine proposed **geoengineering** techniques (to remove CO₂ from the atmosphere, GESAMP WG 41)



Integrated Ocean **Carbon Research** Consortium: (Fate of Ocean Carbon Sink)

Blue Carbon



2020: IOC - part of the Coordinator Team of the **International Partnership of Blue Carbon** together with the Australian Government.

Shared coordination of the **Blue Carbon Initiative** and the **International Partnership for Blue Carbon**.

Function A: Research (2) - stressors



Guidelines for monitoring and assessment of plastic litter (GESAMP WG 40)

Global Harmful Algal Blooms Status Report

(the first global statistical analysis of HABS)

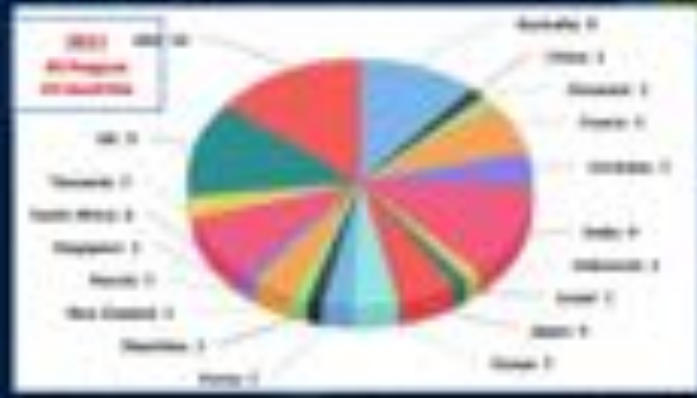
The Harmful Algal Information System – HAIS, also as Function C – services/warnings



Ocean Acidification Research for Sustainability (OARS)



IIOE-2 (2015-2025)

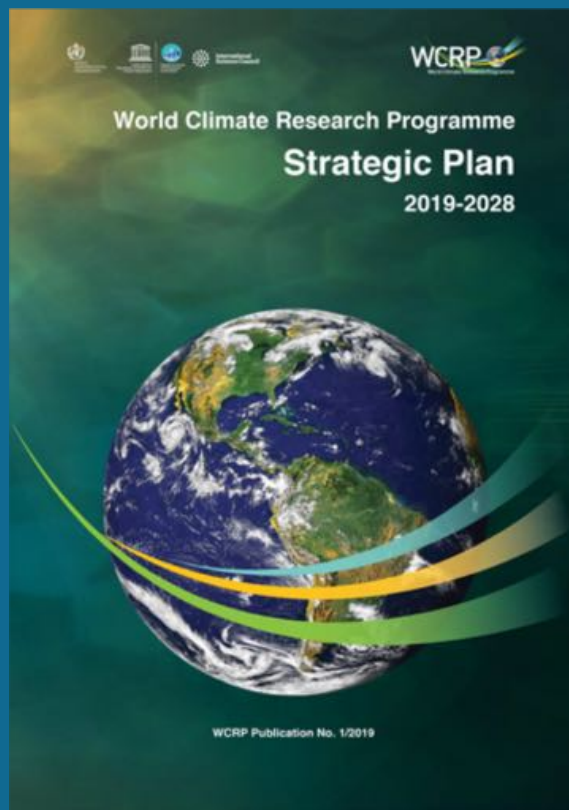


As bn 18 May, 2021

Function A: Research -



MoU between Sponsors



WCRP Open Science Conference 2023
Advancing climate science for a sustainable future



Implementation Plan:

1. Foster and deliver the **scientific advances** and future technologies WRT:

- **multi-scale dynamics of Earth's climate system**
- **climate risks/opportunities**

2. Develop new institutional and scientific **approaches** WRT:

- **climate information for decision support and adaptation**
- **mitigation strategies**



Functions A,D – SDG 14 targets

IOC - Custodian Agency for SDG Targets 14.3.1 and 14.a.1

14.3.1: *“Average pH measured at agreed suite of representative sampling stations”*

SDG 14.3.1 Indicator Methodology upgraded to Tier II
IOC Manual and Guidelines and online data submission portal

14.a.1: *“Proportion of total research budget allocated to research in the field of marine technology” (1.7%)*

SDG 14.a.1 Indicator Methodology upgraded to Tier II

Global Ocean Science Report (GOSR2020)

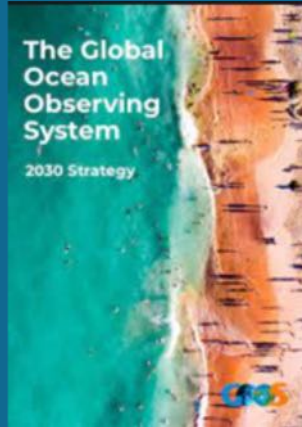
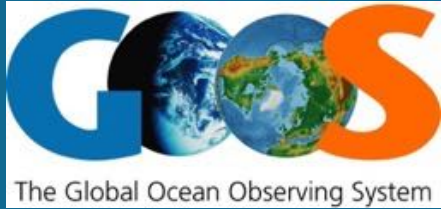
Launch December 2020

Portal, seminal report, initial condition for Decade

Assessment of  on ocean research funding planned



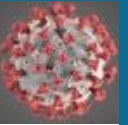
Function B: Observing System (1)



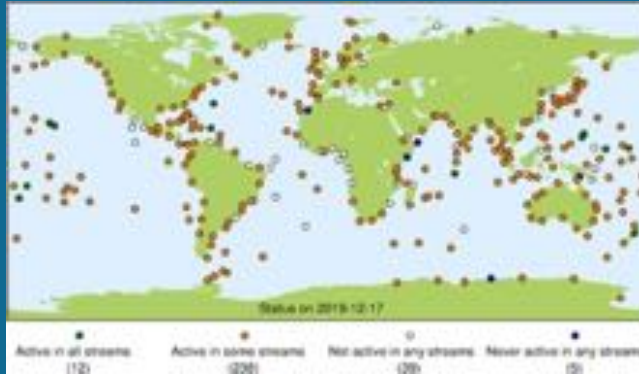
OceanObs Co-Design
CoastPredict
Observing Together



Briefing Note:
Covid-19's impact on the ocean observing system and our ability to forecast weather and predict climate change



Function B: Observing System (2)



December 2019

Stations reporting:

- **December 2019: 85% stations (250/294)**
- **May 2020: 84% stations (247/294)**

V. 5: Manual on sea-level measurements/interpretation

V. 1 of in-situ sea-level observations QC



Review with Sponsors

Function B: Data Management (1)



On the rise. Several key activities started in 2020.

- Development of **ODIS (Ocean Data and Information System)**, e-environment for discovery of and access to data, information, products or services)
- **World Ocean Database (WOD) Cloud** upgrade for submission and extraction of data to WOD (cooperation with RevOcean/ODF/C4IRO)

Funded by Government of Flanders, Kingdom of Belgium:

- **IOC Ocean InfoHub Project** 2020-2023, interoperable 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, and facilitating training with other IOC programmes)
- **Pacific Islands Marine bioinvasions Alert Network** 2020-2023

Data Community Building for the Decade.

A Decade data conference planned for February 2022.




Function B: Data Management (2)



- 20th Anniversary in 2020
- ~~Biogeographic~~ -> Biodiversity
- 2020: Record of new records : 6 M!
- $\pm 65M$ distribution records/68M measurements



- 5-Y Strategy released
- 180,000 downloads
- 




Function C: Warning Services (1) - Tsunami



First National Tsunami Ready Board in NEAM region established by Italy (May 2021)



- ICG sessions by ICG/NEAMTWS 2019 and ICG/CARIBE EWS 2021, + TOWS-WG 13 & 14
- CARIBE WAVE 20 & 21, IOWave20, NEAMWave21 and PACWAVE20
- Central American Tsunami Advisory Center - in trial mode from August 2019
- South China Sea Tsunami Advisory Center - operational since November 2019
- IPMA (Portugal) accredited as Tsunami Service Provider (TSP) in NEAMTWS region
- **World Tsunami Awareness Day (WTAD)** – 5th November 2020: a 30-day campaign with UNDRR
- Major upgrade under Decade foreseen 



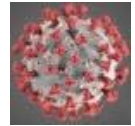
Exercise Pacific Wave 2020 (PacWave20)

Function C: Warning Services (2) - Tsunami

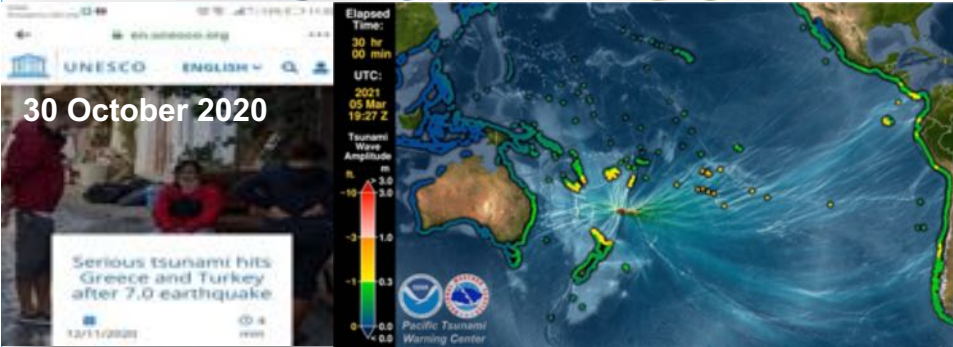


COVID19

Short-term and long-term assessments



School as COVID19 Isolation Centre, Barbados



30 October 2020

Serious tsunami hits Greece and Turkey after 7.0 earthquake

USGS
science for a changing world

SCIENCE PRODUCTS NEWS CONTACT ABOUT

Large M7.7 Caribbean Quake Felt as Far Away as Florida



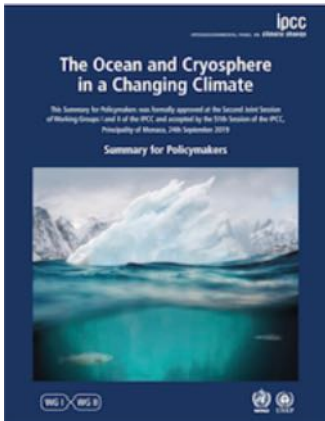
Tropical Cyclone Harold clean-up hampered by coronavirus with Vanuatu reluctant to open borders



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

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

Function D: Assessments/Information for Policy (1)



IOC @ UNFCCC CoP-25 (Madrid/Santiago, December 2019):

- Ocean Day
- UN-Oceans side event
- SDG 14 Community of Ocean Actions



UNFCCC Ocean – Climate Dialogue under SBSTA:

- Written contribution
- IOC Executive Secretary - a plenary keynote



Climate Working Group, 2020



CoP-26!

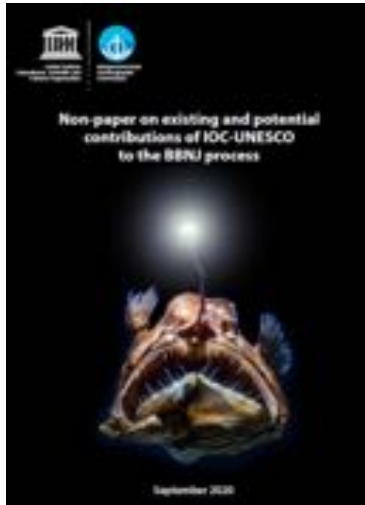
Glasgow, November 2021

Function D: Assessments/Information for Policy (2)

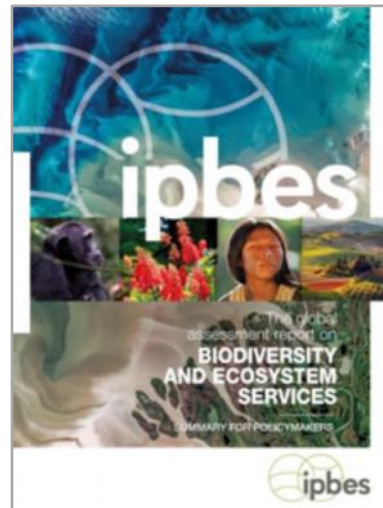


BBNJ

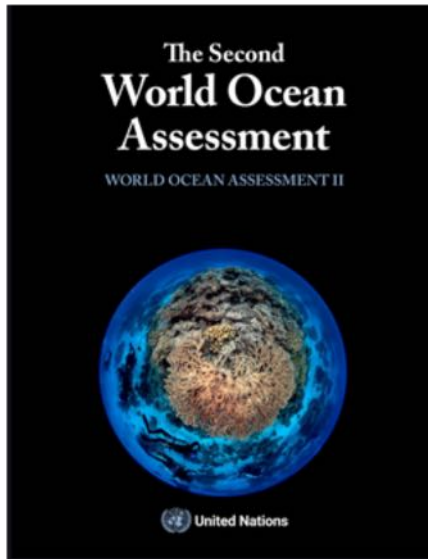
- Revised draft of ILBI (Nov 2019) refers to potential for IOC to manage the **Clearing House Mechanism** for science Capacity Development
- 4th meeting of IG Conference suspended, likely to 2022



- Involvement in development of the post-2020 global biodiversity framework (**GBF**):
- Input to definition of GBF targets and indicators
- coordination with OBIS and GOOS
- exploring opportunities for synergies between GBF and Ocean Decade
 - monitoring and evaluation framework
 - joint analysis of ocean science priorities



Function D: Assessments/Information for Policy (3)



- **IOC contributed technical data and information to the 2nd WOA Edition, 2 workshops (IOCARIBE and WESTPAC)**
- **IOC recommends that UN agencies have ability to review the draft report of the 3rd Cycle**
- **Exploring options to strengthen links between the 3rd Cycle and the Ocean Decade**

Function D: Assessments/Information for Policy (4)

GEBCO



*Congratulations to IHO
on 100-year jubilee!*




Global Mapping Progress:
1903 → 2014 – 5%
2019 → 2020 – 19%
2021 → **20.5%**
Need new ideas!

- **Hosting of GEBCO Symposium/ Guiding Committee – Focus on Ocean Decade (January 2021)**
- **Proposal development for a new GEBCO Sub-Committee on Education and Training**
- **Seabed 2030 guidance through IHO, Nippon Foundation, GEBCO GC**
- **Endorsement of Seabed 2030 as Decade Programme**
- **IOC GEBCO User Requirement Working Group established (Chair – IOC Officer – F. Nogueira)**



Function D: Assessments/Information for Policy (5)

State of the Ocean Report (StOR)

- In April 2021, views of Member States requested through IOC Circular Letter No. 2843. 25 Member States from all IOC electoral groups contributed.
- In May 2021, Ocean Sciences Sections organized an online informal expert consultation on StOR. 15 independent (top) experts provided their advice/input on: periodicity, indicators, scope/volume, focus, relevance, value
- It is proposed that the IOC Secretariat undertakes a pilot State of the Ocean Report, for presentation to the IOC Executive Council at its 55th session in 2022.
- It will build on relevant IOC programmes and activities, benefit from other relevant processes, and be guided by a small group of independent experts, and will be presented for prior informal review by Member States.
- StOR 

“Transparent and accessible” ocean – precondition for being safe, resilient, clean, healthy, productive, and even engaging and inspiring

You love only what you know and understand !

Function D: Sustainable Management/Governance: MSP(1)



Joint Roadmap on accelerating MSP implementation globally (2017-2022)



Guiding MSP Processes

2006: Measuring integrated coastal and ocean management



2009: MSP step-by-step approach



2014: Evaluating MSP plans

2018: LME:LEARN MSP toolkit

2021: International MSP Guidance (under development)

Decision support tools

Policy briefs and flyers on MSP related topics:



Recommendations to promote knowledge exchange on MSP:



Technical reports on MSP, ICAM and Blue Economy:



Different languages

<https://ioc.unesco.org/>

<https://www.mspglobal2030.org/>

Function D: Sustainable Management/Governance: MSP(2)

Keeping track of MSP Status worldwide today



Objective: cover 30% of the world's maritime territories by 2030 through MSP

(IOC-UNESCO, 2020)
Provisional data

Accessing technical resources

- Contact IOC Secretariat (mspglobal@unesco.org)
- Contact your IOC National focal points/IOC Regional Bodies
- Take part in IOC activities on MSP and access resources at www.mspglobal2030.org

Building Capacities

Conferences, forums, trainings, seminars: over 5,000 stakeholders involved in the last 3 years!



Function D: Sustainable Management/Governance: MSP(3)

Pilot Projects

Western Mediterranean

Direct beneficiary countries: **Algeria, France, Italy, Malta, Morocco, Spain, Tunisia**

Technical reports on current and future conditions (EN/FR):



Regional recommendations on MSP and Blue Economy (June 2021)

Southeast Pacific

Direct beneficiary countries: **Colombia, Ecuador, Panama, Peru**

Binational mapping exercise in the Gulf of Guayaquil (Ecuador/Peru) as an example for the region

Technical reports on current and future conditions (EN/ES):



Regional recommendations on MSP and Blue Economy (June 2021)

Storytelling tool

Multilingual storytelling tool to present the data and information collected in the pilot project areas in a simplified and interactive way:

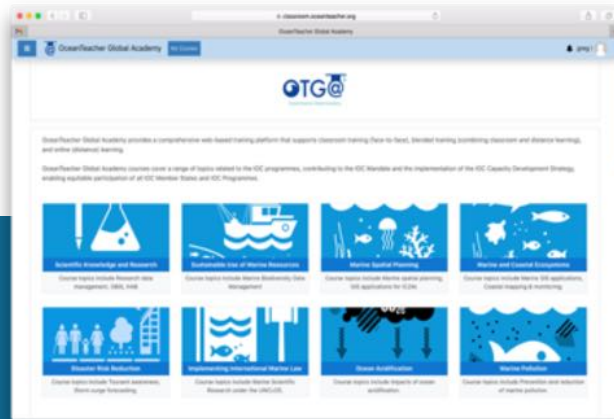


Function D: Sustainable Management/Governance: LMEs



Function E: Capacity Development (1)

- **IOC Capacity Development Strategy (2015-2021) – extend to 2023 and then revise**
- **September 2020:**
Launch of the second IOC Capacity Development Needs Assessment Survey
- **October 2020:**
Second Session of the IOC Group of Experts on Capacity Development
- **Very good work of UNESCO C2C Centres in I.R. Iran, India, emerging C2C in Philippines**
- **Chairs in Marine Sciences**
- **Very good work of WESTPAC RTRCs, network expansion**
- **OTGA - 2**



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

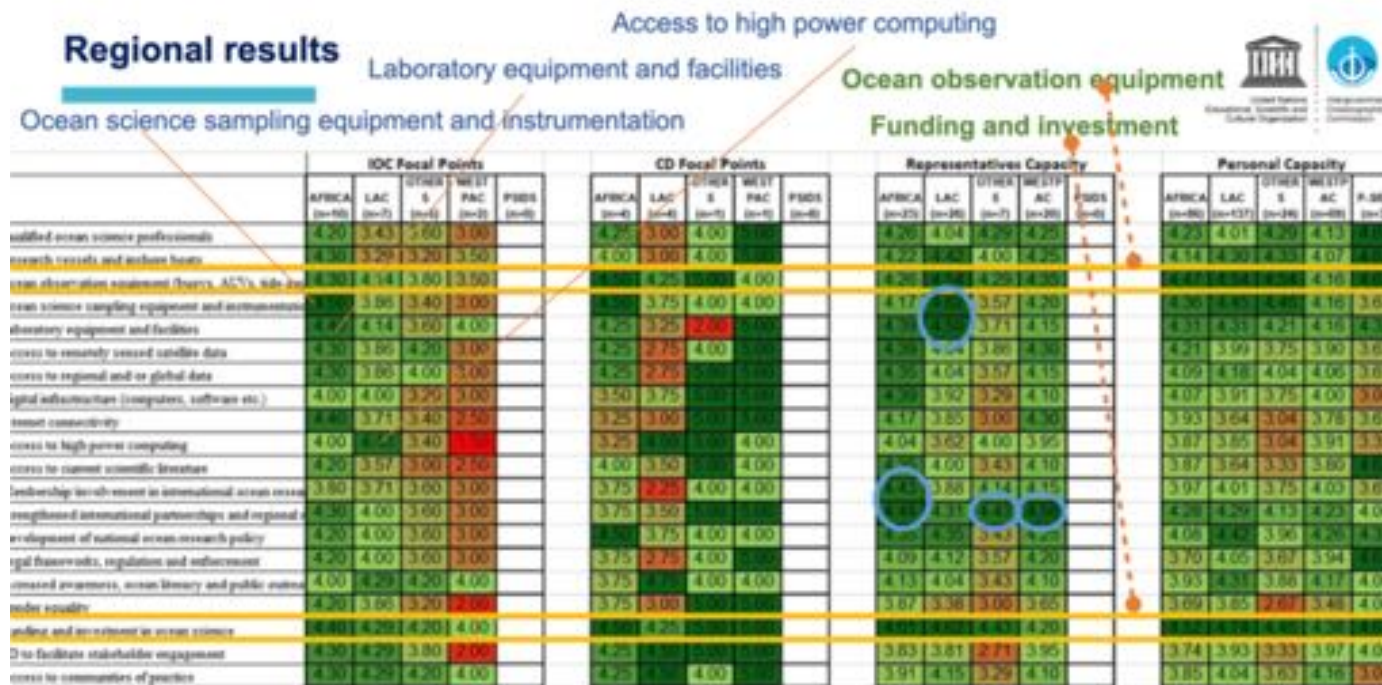


Function E: Capacity Development (2)

September 2020: Second IOC Capacity Development Needs Assessment Survey

9100 emails sent to 118 developing country Member States:
(11% response rate – below average (29%) for online surveys.

From 25 IOC Focal Points 10 CD FPs submitted official responses

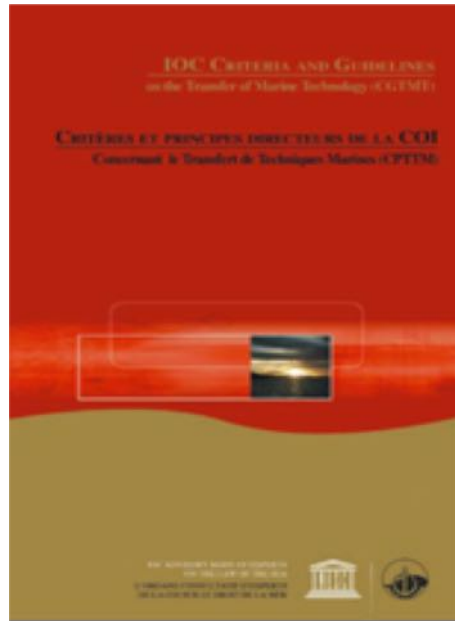


TOP CD NEEDS

1. Funding and investment
2. Access to communities of practice
3. Increased awareness, ocean literacy and public outreach
4. Ocean observation equipment
5. Access to remotely sensed satellite data

Function E: Capacity Development (3)

- **CHM/TMT Prototype for LAC**



The screenshot displays the CHM LAC website. The header includes the CHM LAC logo and navigation links for Home, Statistics, and Log in. A search bar is located in the top right. The main content area features a blue background with the text: "LAC Provide interested users in Member States with direct and rapid access to relevant sources of information, practical expertise in the transfer of marine technology, as well as to facilitate effective scientific, technical and financial cooperation to that end". Below this, there are seven data cards:

Category	Count	Description
Experts	479	Information on people
Documents	200	Mainly grey literature, manuals and guidelines
Training	452	Training and education opportunities
Laboratories	0	Information on laboratories
Institutions	78	Information on institutions
Geospatial Information	853	Maps and atlases
Vessels	84	Information of Vessels

Function E: Ocean Literacy

"FAR AND AWAY, THE GREATEST THREAT TO THE OCEAN, AND THUS TO OURSELVES, IS IGNORANCE".
Sylvia Earle, President of [Mission Blue](#)

Intergovernmental Oceanographic Commission

Ocean Literacy Portal

Enter the Portal

English
Français (French)

Students Educators Scientists Media Policy Makers Private Sector

oceanliteracy.unesco.org

Ocean Literacy for All

A toolkit

+

United Nations Educational, Scientific and Cultural Organization

UNESCO Associated Schools

=



INTERNATIONAL OCEAN LITERACY CONFERENCE

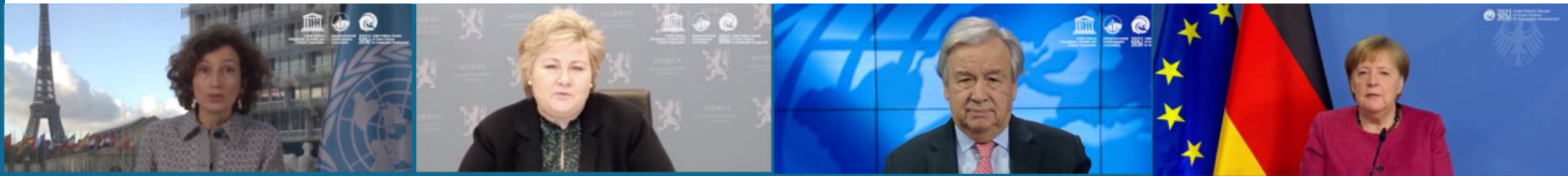
4-5 December 2017, Venice (Italy)

UNESCO
Ministry of Education, University and Research of the Veneto Region
Venice International University

Communication/Outreach Development

(IOC is highly visible in the world now)

- Continued to develop Communications based on Advisory Report (2016)
- Launched new IOC website (ioc.unesco.org, but more work needed)
- Expanded IOC Newsletter subscriber base (~4'000 subscribers), many other Newsletters
- Campaign on Decade launch (oceandecade.org)
- IOC – provider of the UN World Oceans Day Portal: (unworldoceansday.org)
- Expanded social media presence:
LinkedIn (+760%), Instagram (+450%), Facebook (+190%), Twitter (+190%)
- Campaign Generation Ocean (“GenO”) approaching



IOC work in the regions

(Think globally – act locally)

All Regional Bodies had a workshop or several on the Decade



IOCAFIRICA – VI, 13-15 April
WESTPAC – XIII, 27-29 April
IOCARIBBE – XVI, 3-6 May
IOCINDIO – VIII, 17-19 May



IOC Sub-Commission (IOCAFRICA)

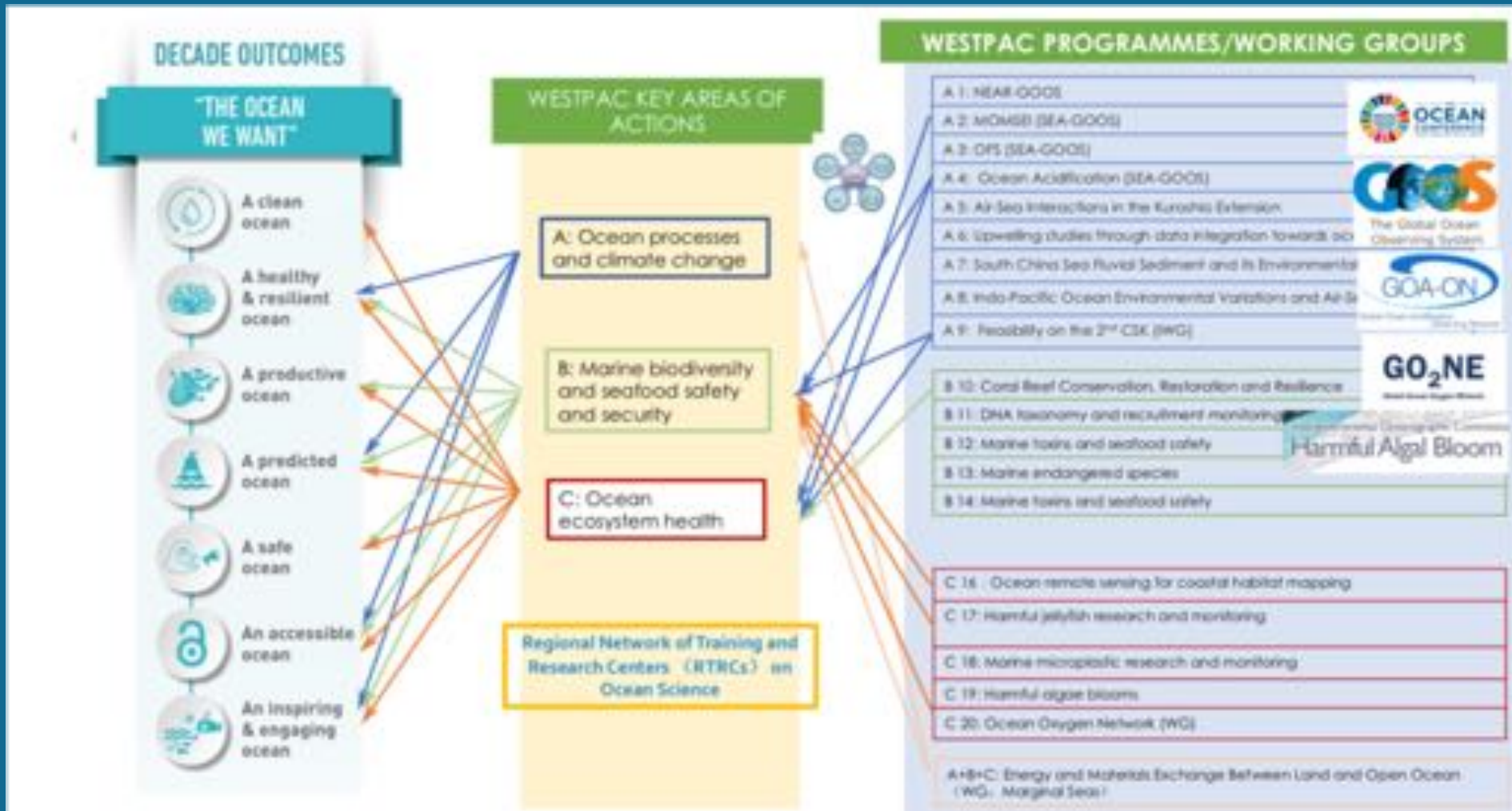
- **Research and training cruises:** SA Agulhas II in 2017 & 2018
- Climate and Biological Productivity (CCLME/AECID, ASCLME, with WIOMSA)
- African node for **Ocean Data portal, African Coastal and Marine Atlas**
- **Training:** Research Data Management, Hydrodynamic & Environmental Modeling, Marine Biodiversity, Remote Sensing & Marine GIS
- **MSP workshops:** Seychelles, Cape Verde, Senegal, Kenya & Mauritius
- Potential initiative on Equatorial Africa (6/7 countries), after the Libreville workshop
- **Open Days, Information Sessions, and World and Africa Oceans Day activities**
- **African week event in May 2021, thank you Gabon and Africa Group!**
- New, 2021, NORAD funding, focus on Africa:
 - 1) CD for expanding ocean acidification research and observation;
 - 2) CD for detection and early warning systems for harmful algae; and
 - 3) OceanInfoHub Africa: Database of Training Opportunities

IOCAFRICA-VI (13-15 April 2021, online):

- Pan-African Conference "Ocean Science for Sustainable Development", 2021, Egypt
- Establishment of a Regional Planning Group for the Ocean Decade
- Extension of the mandate of the IOCAFRICA Strategic Planning Group
- IOCAFRICA work programme for 2021-2023
- Strengthening Collaboration with the African Union Commission



IOC Sub-Commission WESTPAC



WESTPAC - XIII (24-26 April 2021, online, host Bangladesh)
Decade Kick-off and Regional Conference, Thailand, August 2021

IOC Sub-Commission (IOCARIBE)



An IOCARIBE-GOOS pilot project on Improvement of Hurricane Observing and Forecasting Capacity

Development of an operational region-wide information and forecasting system for Sargassum and oil spills

Development of a guide on best management practices for Sargassum events in the coastal environment

HAB-ANCA: IOC Ciguatera Strategy

CMA2: Hosting at IOCARIBE Office - Caribbean Marine Atlas + CLME - Caribbean & North Brazil Shelf LMEs - 20Ys

IBCCA: International Bathymetric Chart - Caribbean and the Gulf of Mexico (GEBCO) CARIBE-EWS

Tsunami & Other Coastal Hazards Warning System - 25Ys

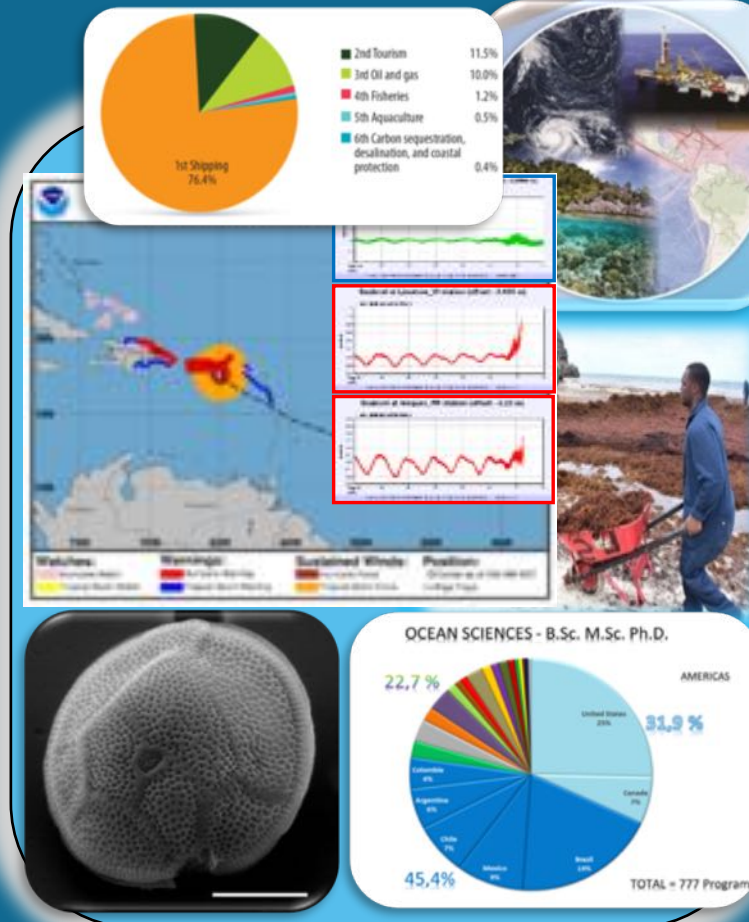
OTGA and CHM hub (at INVEMAR)

CIFDP-C (WMO, JCOMM)

WOA-2 Workshop: IOCARIBE/Brazil;

IOCARIBE - XVI (3-6 May April 2021, online, host Panama)

Decade Kick-off Conference in planning



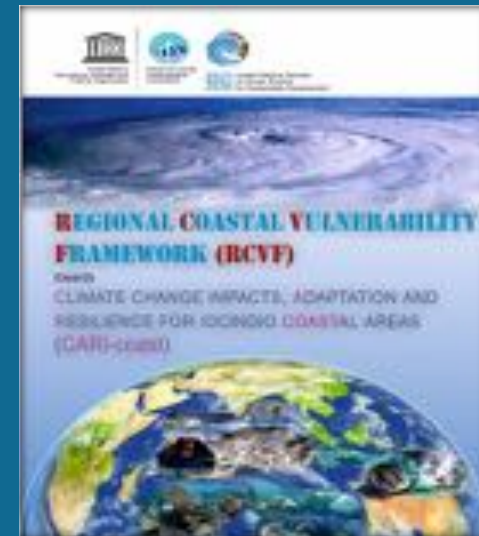
IOC Regional Committee IOCINDIO

- Workshop on Coastal Vulnerability Assessment and Monitoring for Sea-Level Rise and Storm Surges in the Indian Ocean Region, May 2019, Hyderabad, India
- Regional Decade Workshop for the Northern/Central Indian Ocean countries as well as ROPME sea area, 8-10 January 2020, Chennai, India
- Indian Ocean Blue Economy Summit towards United Nations Decade of Ocean Science for Sustainability, 6 May 2021, online

IOCINDIO – VIII, 17-19 May 2021, online, host I. R. of Iran

Anticipated programme of work envisions activities related to coastal vulnerability, networking, ocean observations, coastal zone management, circulations and fisheries, oil spill monitoring and response, human induced changes in Northern Indian Ocean, policy advice toward ocean management, creation of ocean economy opportunities

**Transformation of IOCINDIO
into an IOC Sub-Commission
to be reviewed by this Assembly**



IOCINDIO
Welcome to the
Indian Ocean Blue Economy Summit
Webinar on Blue Economy in the Indian Ocean region towards United Nations Decade of Ocean Science for Sustainability (2021-2030)

Lead talk by
Prof. Peter Haugan, Former Chair, IOC, Norway

Talks by Eminent Personalities from Indian Ocean Rim Countries like :
Bangladesh, France, India, Iraq, Iran, Kuwait, Oman, Qatar, Saudi Arabia,
Pakistan, Sri Lanka, United Kingdom

Date: May 6, 2021 (Thursday)
Time: UTC 9: 30 AM – 12:30 PM (IST 02:00 PM – 05:00 PM)

Rear Admiral (Retd.) Khurshid Alam, Secretary (MAU)
Ministry of Foreign Affairs, Govt. of Bangladesh
Chairman Organizing Committee

Dr. M. A. Abtamanand, Chair, IOCINDIO
Co-Chair, Organizing Committee

Speakers and those who would like live interaction:
<https://register.webex.com/join?joinkey=142513048224579024&host=142513048224579024>

For viewing only: <https://youtu.be/g4EAFM0iA8k>

Outline

1. IOC - in UNESCO, UN, world



2. IOC developments (largest part of report)



3. Decade



4. Ocean management perspectives



5. IOC MTS 2022-2029



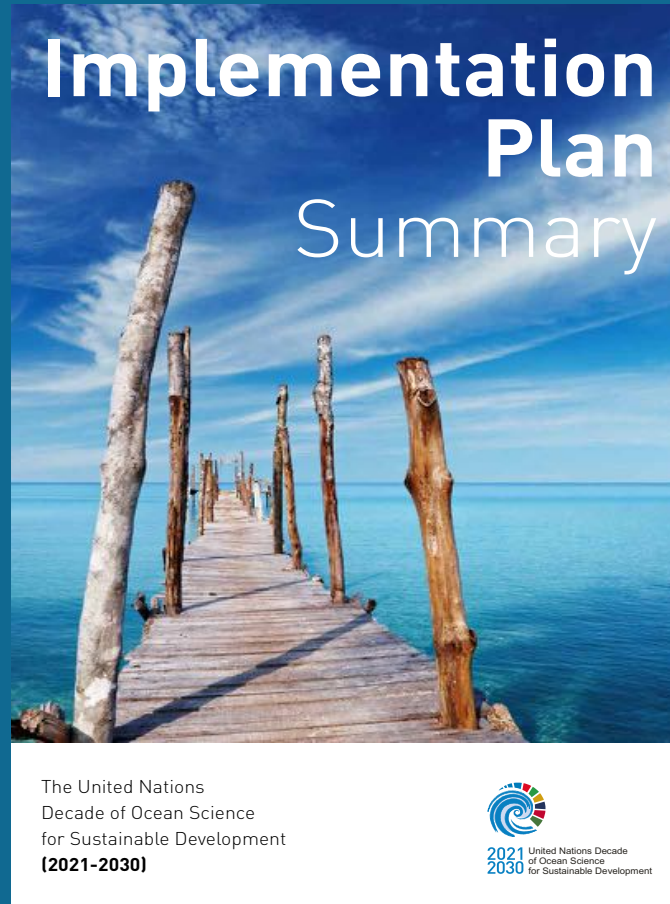
6. IOC Program and Budget



(large scale issues, please only refer to IOC/A-31/3.2.Doc(1), Add, Doc(2), Doc (3), 4.1 Doc, 4.2 (Doc) and many INF documents)



GENERAL ASSEMBLY OF THE UNITED NATIONS



Vision

The science we need for the ocean we want

Mission

Transformative ocean science solutions for sustainable development, connecting people and our ocean

Decade and IOC



- **Massive additional workload of the Secretariat with same RP budget**
- **Decade Coordination Unit – no Regular Staff, XB, sustained by MPR Section**
- **XB funding: decade successfully competes with core programmes of IOC**
- **A mechanism for engaging with stakeholders and end-users to develop policy relevant knowledge and solutions for 2030 Agenda**
- **Furthering the impact and scope of existing programmes, connecting them**
- **Leveraging resources for IOC programmes and ocean science**
- **Enhance visibility**
- **Institutional umbrella for Decade actions where IOC is a leader**
- **Strengthen national coordination on ocean science, e.g. IOC National Focal Points and networks**
- **Once-a-life-time opportunity to make the ocean sustainably managed !**

More on Thursday...

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Towards Ocean Management

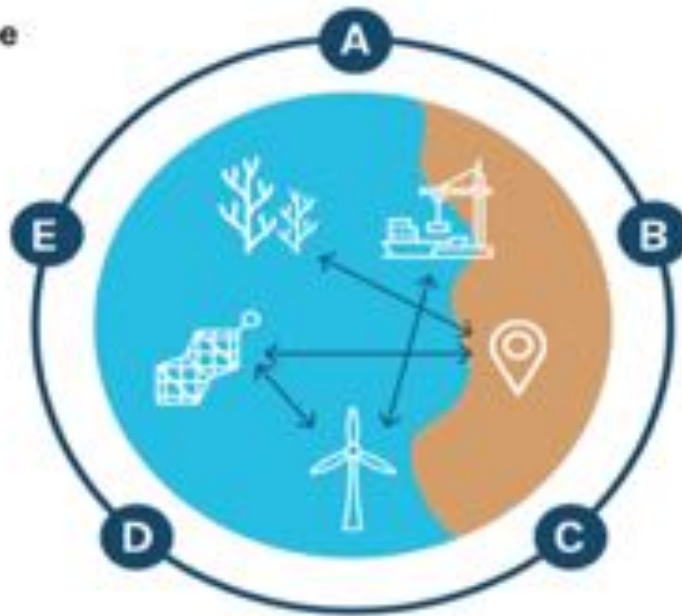


HIGH LEVEL PANEL *for*
**A SUSTAINABLE
 OCEAN ECONOMY**






- IOC - in Advisory Network, Peter Haugan – Expert Group Co-Chair
- 14 Countries at the level of Presidents or Prime-Ministers
- Blue Papers, reports, coalitions for action

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

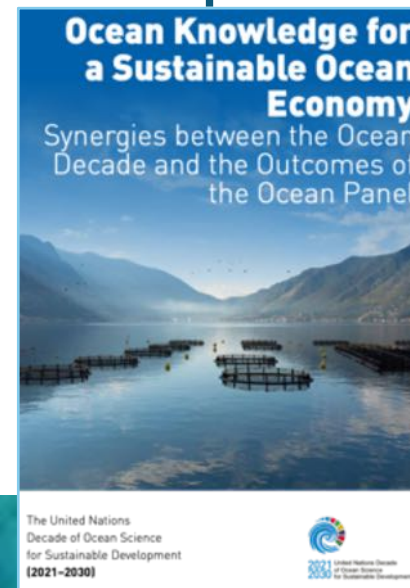
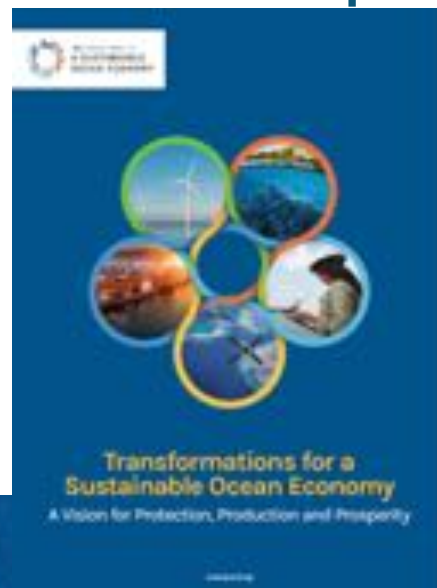
-  Sustainable ocean food production **x6**
-  Clean ocean energy **x40**
-  Low carbon transportation and ports **20% -> 1,5°**
-  Ocean restoration and protection **15T\$**
-  Tourism

Scientifically
Sustainably
Managed
Ocean

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



- **IOC Report: Synergies between the Ocean Panel and the Ocean Decade**
Set out a process to develop joint initiatives so that ocean knowledge can underpin sustainable and equitable development



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

A major contribution of the Ocean to sustainability is possible

in integrated
ocean management
based on science



Mainstream

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

Areas of Benefit:

- Climate
- Biodiversity
- Ocean Economy

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IOC MTS 2022-2029

High - Level Objectives

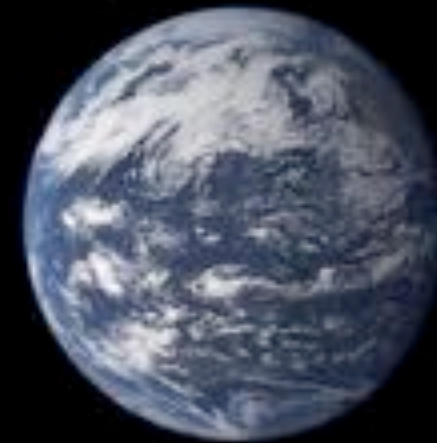
- Healthy ocean and sustained ocean ecosystem services;
- Effective warning systems and preparedness for tsunamis and other ocean-related hazards;
- Resilience to climate change and contribution to its mitigation;
- **Scientifically-founded services for the sustainable ocean economy;** and
- Foresight on emerging ocean science issues.

IOC Vision



To bring together governments and science community in achieving the 'Ocean We Need for the Future We Want'

One Planet, One Ocean



IOC MTS 2022-2029



CONTENTS

PREFACE

1. IOC HIGH-LEVEL OBJECTIVES & PRIORITIES
2. IMPLEMENTING THE STRATEGY
3. WORKING CLOSER TO THE FIELD
4. ENGAGEMENT WITH KEY PARTNERS & STAKEHOLDERS

Intersessional Financial Advisory Group (IFAG) made valuable comments

Sessional Financial Committee to finalize the MTS for Resolution



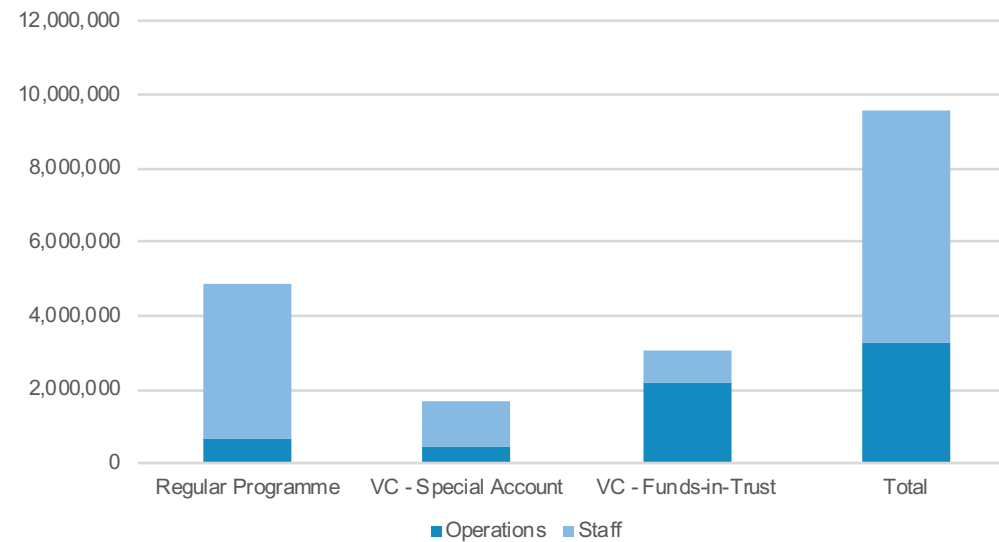
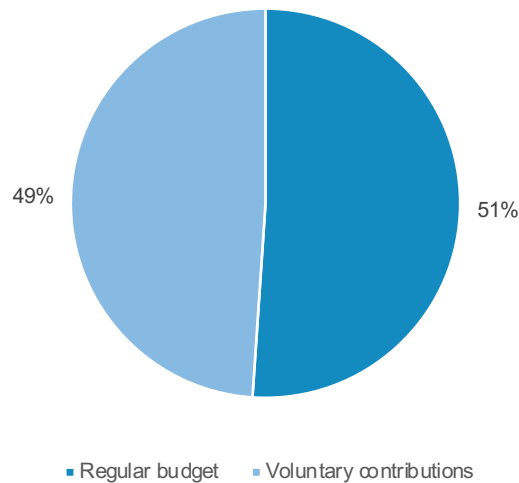
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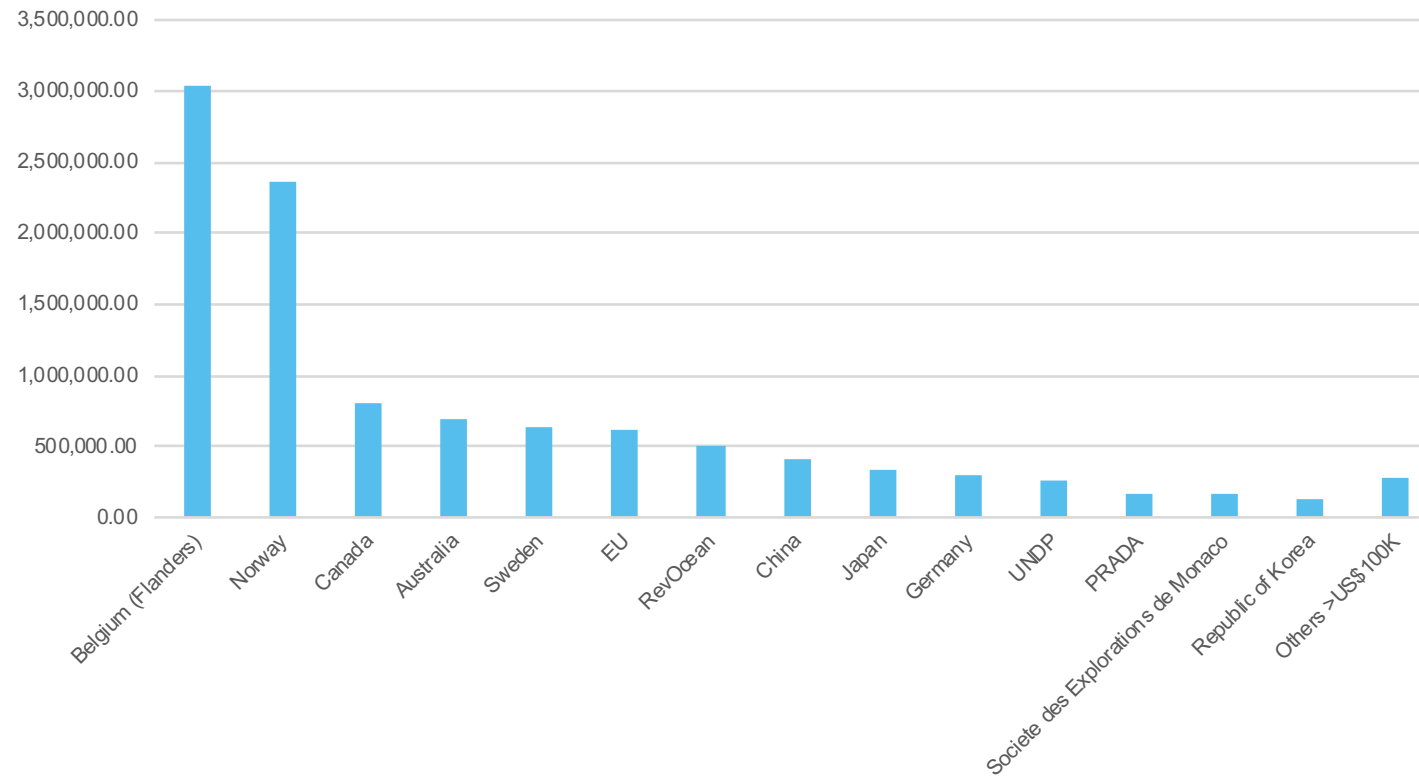


40 C/5 Budget implementation as at 31.12.2020

- Reference document **IOC/A-31/3.2.Doc(2)**
- Implementation according to adopted workplans – total RP expenditure \$9.6M



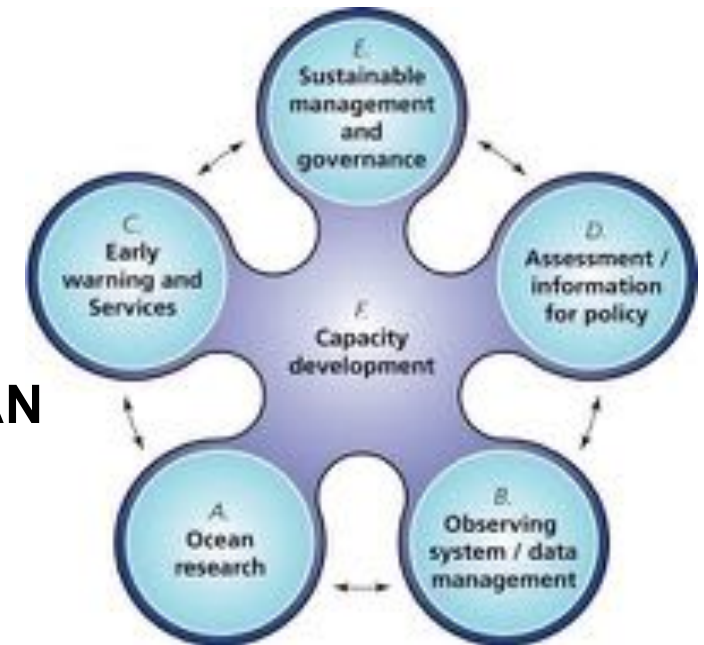
40 C/5 Resource Mobilization 2020 Main Donors



IOC CORE MANDATE: SIX FUNCTIONS (incl. CAPACITY DEVELOPMENT)

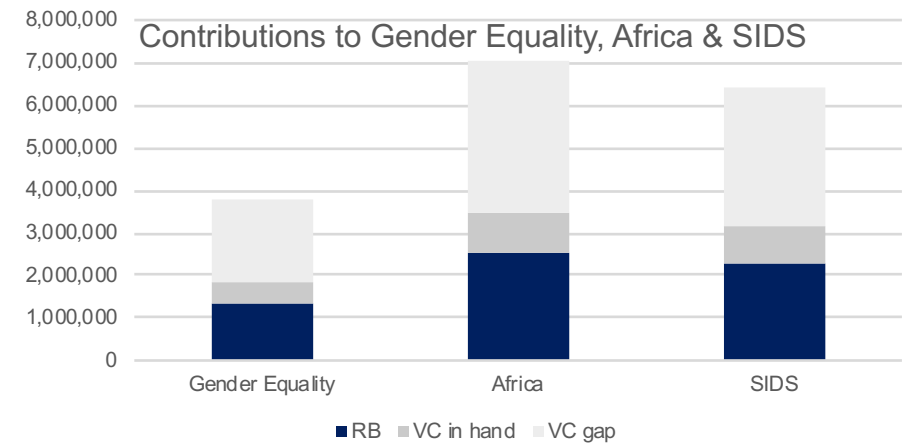
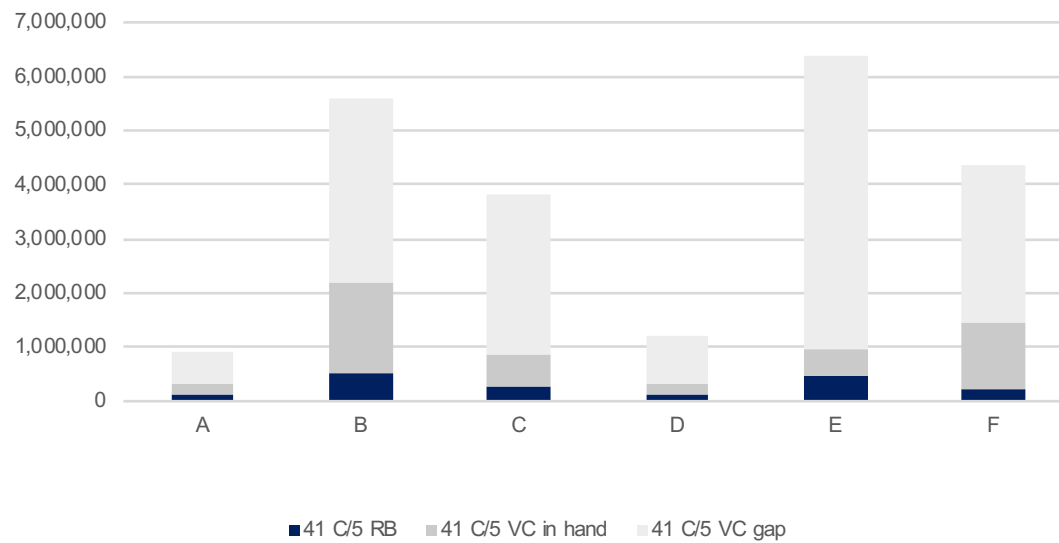
COORDINATING UN DECADE OF OCEAN
SCIENCE

LEAVING NO ONE BEHIND – PRIORITY
AFRICA & SIDS



Draft Programme and Budget 2022-2025 **First biennium 2022-2023**

Draft 41 C/5 IBF by function

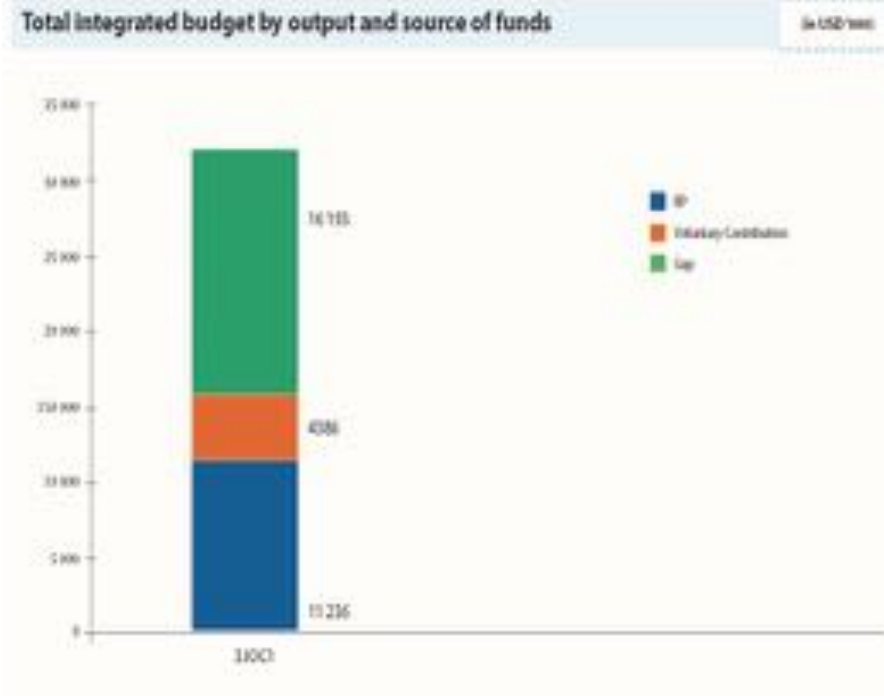


Draft Programme and Budget 2022-2025 First biennium 2022-2023

5 HLOs & 6 Functions of the MTS

Investment in staff = ambitious
resource mobilisation around the UN
Ocean Decade as unifying framework

Increased priority to AFR, GE & SIDS



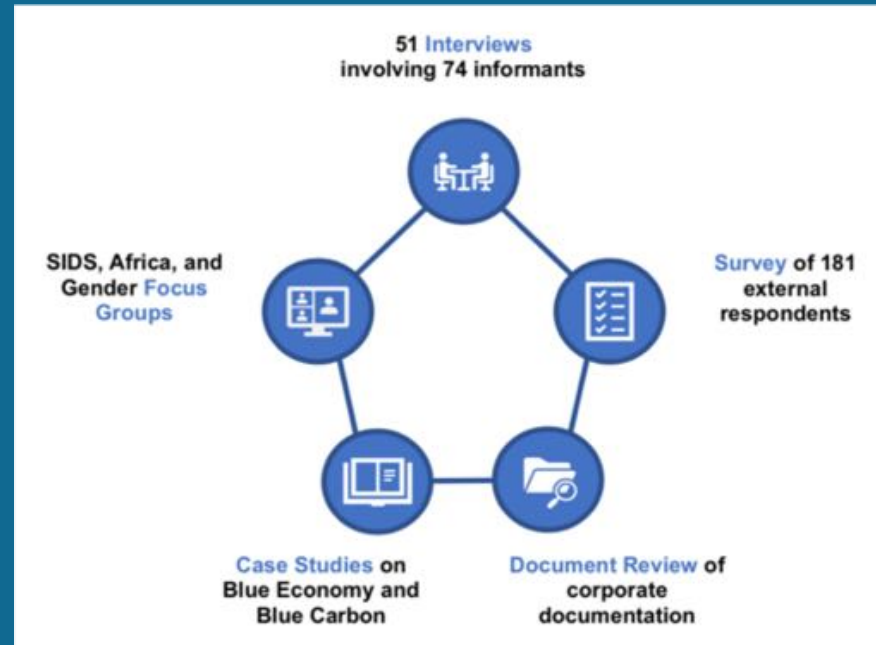
Budgetary situation

- Implementation in compliance with IOC Governing Bodies' decisions
- **Dual challenge for Secretariat: need to raise XB funds to maintain core operational programmes and resources to lead and coordinate the Decade preparation**
- Very little non-earmarked support
- **A new approach to fund-raising and outreach needed, based on highlighting the societal benefits of IOC's work and demonstrating the return on investment in ocean science and observation**
- **Key role of outreach and communication**

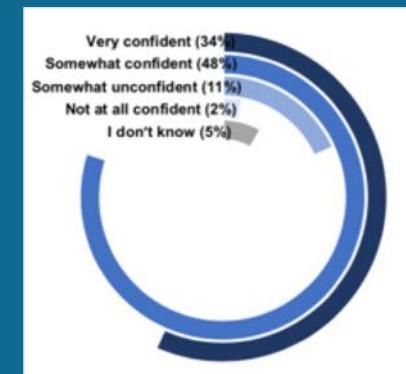
Internal Oversight Service: Strategic Evaluation of IOC

OpenCities Ltd

Specialising in sustainable development and organizational change since 2006.



“How confident are you in IOC's capability to ensure the Decade makes a difference?”



- Finalisation of the report during June 2021
- Management response and quality assurance by mid-July 2021
- Final draft of the report by end-July
- Circulation and presentation of the final report to governing bodies of IOC and UNESCO later in 2021-2022

Vision of the “Optimal IOC” at the start of the third age (60 years)



**Integrated
Ocean
Management**

Statutes Article 11.3: possibility for IOC to act as a joint specialized mechanism in the UN system

Statutes Article 10.4: IOC can establish additional financial arrangements for implementation of its programme of work

Summary

- Active and generally successful implementation of the Programme
- Large volume of work undertaken; many high-level and high-impact events/activities organized
- Programmatic work done according to decisions of Assembly
- Activities are becoming more integrated:
(Research – Observations – Data – Services – Assessments – Policy)
- IOC enjoys leadership position on many arenas, including in UN
- IOC is the smallest but one of most successful parts/sectors of UNESCO
- Major work on RP implementation, Decade, and raising XB resources
- True leadership/commitment by Chair and Officers, hardest work by Staff

60th ANNIVERSARY OF THE INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION OF UNESCO & LAUNCH OF THE GLOBAL OCEAN SCIENCE REPORT | PARIS, 14/12/2020

PART 1 - OPENING

BLUE THINGS of our PLANET

ANDREY AZOLAY
UNESCO DIRECTOR-GENERAL

GENERAL to the CHALLENGES of our TIME

DEDICATION to the OCEAN



BRING TOGETHER OCEAN SCIENCE COMMUNITY

STRONG REGIONAL DEVELOPMENT

UNDERSTAND PEOPLES' CIRCULARISATION

CLAUDE WILLENBERG
IOC SECRETARY 2007-2019

FUTURE OCEAN SCIENCE IS CRUCIAL



60 YEARS of the IOC

NEED for COLLECTIVE ACTION + FUNDING

OCEAN ATMOSPHERE

FRANÇOIS PERON
IOC SECRETARY 1987-1995

MAJOR PROGRESS IN PREPARING FOR CRUCIAL EVENTS



LEONID KRYGIN
IOC SECRETARY

40 → 150!
IOC MEMBERS



FROM EXPLORATION TO SUSTAINABLE DEVELOPMENT

ADRIE BOERS
IOC CHAIR

SPECIAL MOMENT



UNPRECEDENT LEVEL of INTEREST

BENEFITS SHOULD BE EQUALLY DISTRIBUTED

IOC CRUCIAL IN THIS

PETER HANIGAN
IOC CHAIR 2001-2009

INDIAN OCEAN EXPECTATIONS 1 & 2



OCEAN SCIENCE ADDRESSING EXISTENTIAL ISSUES



EQUITY DIVERSITY & INCLUSION

→ GOOD BY EXAMPLE

WENDY NATION-WOOD
IOC SECRETARY 2019-2021

CONNECTION between CLIMATE & OCEAN



SUI DIAN
IOC CHAIR 2011-2017

LONG TERM GOALS ACROSS BEYOND NATIONAL JURISDICTION



By 2025 SUSTAINABLY MANAGE 100% of the OCEAN AREA under NATIONAL JURISDICTION



SDG 14

WORK with FISHERIES

IOC STARTED ADDRESSING IMPORTANT ISSUES

COOPERATION WITH THE EU

MORE EFFORT IN PROTECTING COASTAL ZONES

Visuals by 