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





United Nations Educational, Scientific and . Oceanographic Cultural Organization • Commission



Intergovernmental



Development Goals

Proposal for an International Decade of Ocean Science for Sustainable Development [2021-2030]





One Planet, One Ocean

Het Verenigde Naties Decennium van Oceaan Wetenschappen voor Duurzame **Ontwikkeling (2021-2030)**

- UNDOSSD: context, traject, proces, doel
- Bijdrage van Vlaanderen
- Relevante processen en instrumenten
- Brainstormsessie



Educational, Scientific and Cultural Organization • Commission



Intergovernmental Oceanographic





Proposal for an International Decade of Ocean Science for Sustainable Development [2021-2030]



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

(slightly modified from) Dr Vladimir Ryabinin, **Executive Secretary of IOC, Assistant Director General, UNESCO**





Educational, Scientific and . Oceanographic Cultural Organization • Commission



Intergovernmental



Development Goals

Proposal for an International Decade of Ocean Science for Sustainable Development [2021-2030]



CONTEXT: Ocean and the UN Frameworks







+ Paris
+ Ocean
Pathway



Sendai Framework for Disaster Risk Reduction

2015 - 2030





Conserve and Sustainably Use Oceans, Seas and Marine Resources for Sustainable Development





Conserve and Sustainably Use Oceans, Seas and **Marine Resources for Sustainable Development**







2. Manage & protect of marine & coastal ecosystem



3. Address impacts of ocean acidification



5. Conserve > 10% of coastal and marine areas

6. Prohibit harmful fisheries subsidies

7. Ensure economic benefits to SIDS & LDCs from sustainable use of marine resources (e.g. fisheries, aquaculture, tourism)



a. Build science capacity through IOC Criteria and Guidelines on the Transfer of Marine Technology

b. Access of artisanal fishers to resources and markets



🕟 c. Conventions, UNCLOS

TRAJECTORY:

2016: Thinktank of IOC, the idea!

2017: discussions, massive support

from UN, IGOs, NGOs, ...

Proposal to UN

6 December 2017 72nd UN General Assembly Resolution

UN Decade of Ocean Science for Sustainable Development (2021-2030)





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



One Planet, One Ocean



GENERAL ASSEMBLY OF THE UNITED NATIONS

Omnibus Resolution for Oceans and the law of the sea (A/RES/72/73)

The UNGA decided (Para. 292) to proclaim the United Nations Decade of Ocean Science for Sustainable Development for the 10-year period beginning on 1 January 2021, within existing structures and available resources, and called upon the Intergovernmental Oceanographic Commission to prepare an implementation plan for the Decade in consultation with Member States, specialized agencies, funds, programmes and bodies of the United Nations, as well as other intergovernmental organizations, non-governmental organizations and relevant stakeholders.

Further, the UNGA:

- Requested that the Intergovernmental Oceanographic Commission provide information on the development of the implementation plan and regularly consult with, and report to, Member States on the United Nations Decade of Ocean Science and its implementation;
- Invited the Secretary-General to inform the General Assembly about the implementation of the United Nations Decade of Ocean Science through his report on oceans and the law of the sea, on the basis of information to be provided by the Intergovernmental Oceanographic Commission;
- Invited UN-Oceans and its participants to collaborate with the Intergovernmental Oceanographic Commission on the United Nations Decade of Ocean Science.



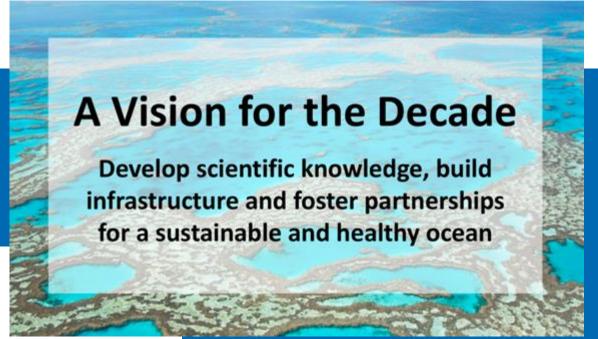


INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (of UNESCO)

Fifty-first Session of the Executive Council UNESCO, Paris, 3–6 July 2018

PROCESS: ROADMAP

Item 4.1 of the Revised Provisional Agenda







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





Societal outcomes



A clean Ocean

Sources of pollution are identified, quantified and reduced, and pollutants removed from the Ocean.





A healthy and resilient Ocean

Marine ecosystems are mapped and protected, multiple impacts, including climate change, are measured and reduced, and the provision of Ocean ecosystem services is maintained.





A predicted Ocean

Society has the capacity to understand current and future Ocean conditions, forecast their change and impact on human wellbeing and livelihoods.





The Decade will be mission-oriented



A safe Ocean

Human communities are protected from ocean hazards and the safety of operations at sea and on the coast is guaranteed.





A sustainable productive Ocean

The provision of food supply and alternative livelihoods are secured.





A transparent and accessible Ocean

All nations, stakeholders and citizens have access to ocean data and information, technologies, and are capable of making informed decisions.





Implementation Plan

Between 2018 and 2020, the UNGA tasked IOC with preparing the Decade and coordinating the development of an Implementation Plan, which will include:

- Science Plan
- Capacity Development Plan
- Resource Plan

- Communications & Engagement Plan
- Monitoring & Reporting



Principles: Inclusive & transformative, focused on solutions



Science breakthroughs -> top-down designed

- Mapping
- Observations
- Eco-systems
- Data and Information

- Multi-Hazard Warning Systems
- Ocean in Earth System Science
- CD, Education, Ocean Literacy

Pickup by practice -> stimulated bottom-up



Coastal zone management



Marine Spatial Planning/ Blue economy

Adaptation

Mitigation



Fishery management



Disaster Risk Reduction (Re-)insurance

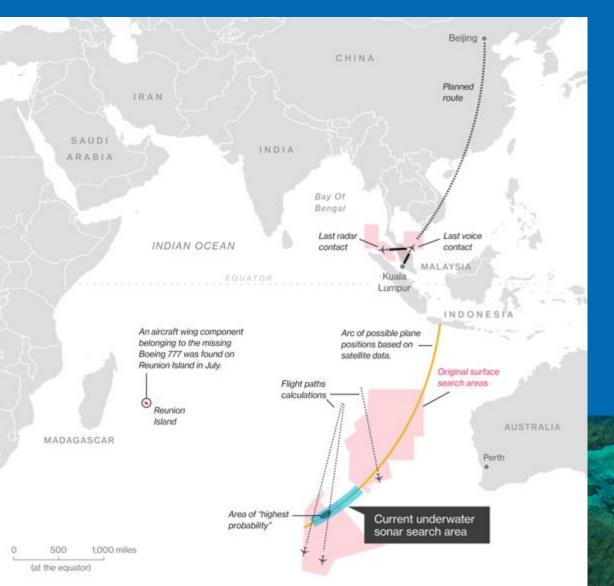




Governance: Policies Peace Security



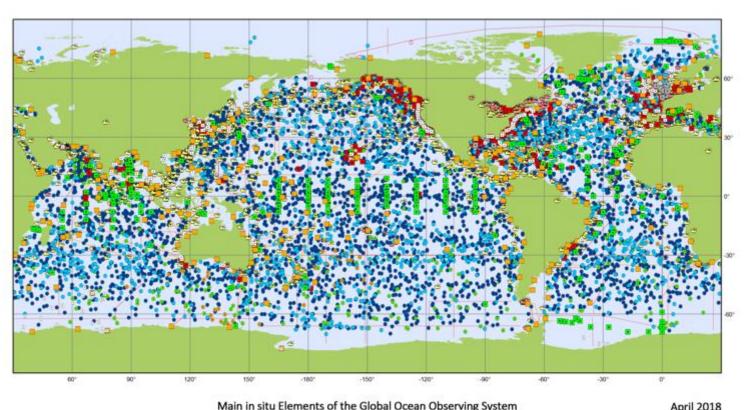




R&D Priority Area 1: Comprehensive map (digital atlas) of the ocean

(Scope: well beyond topography)

Generated by www.jcommops.org, 14/05/2018



Main in situ Elements of the Global Ocean Observing System Other Networks

Profiling Floats (Argo Data Buoys (DBCP) Timeseries (OceanSITES) Ship based Measurements (SOT) Interdisciplinary Moorings (338) Core (3815) tomated Weather Stations (248) HF Radars (270) Offshore Platforms (96) Repeated Hydrography (GO-SHIP) Manned Weather Stations (1767) Animal Borne Sensors (53) Research Vessel Lines (61) Ocean Gliders (3 eXpendable BathyThermographs (37)

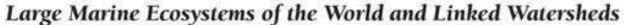
Tide Gauges (252)

Tsunameters (32)

R&D Priority Area 2: A comprehensive ocean observing system

(polar, bio, eco, BGC, eDNA, deep ocean, +)







- 13 Humboldt Current
- 14 Patagonian Shelf

- 21 Nonwegian Shelf
- 22 North Sea

- - - 32 Arabian Sea

- 37 Sulti-Celebes Sea

60 Faroe Plateau

61 Antarctic 62 Black Sea

- 56 Fast Siberen Sea

R&D Priority Area 3:

management

ecosystem)

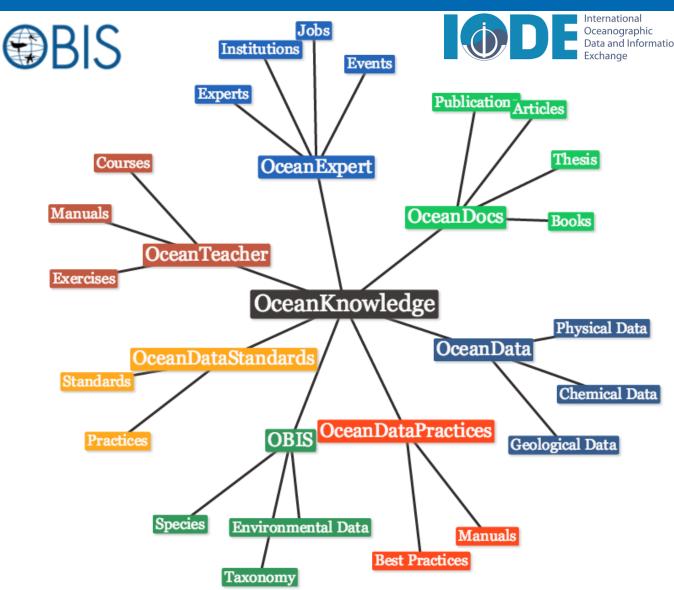
A quantitative understanding of ocean ecosystems as the basis for their integrated ocean

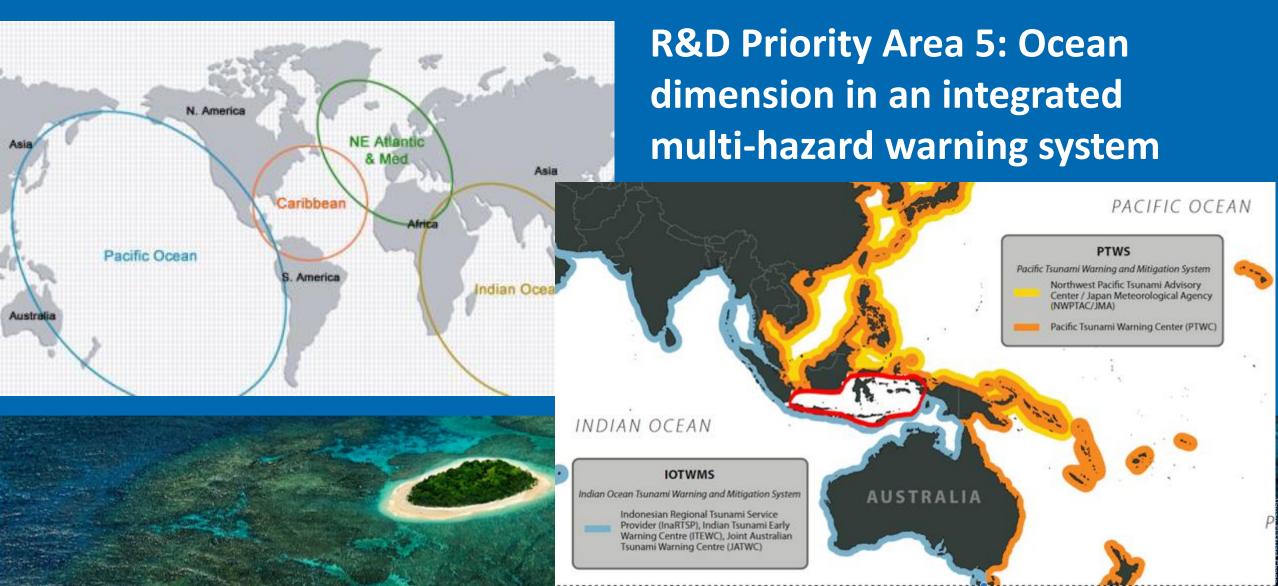
(multiple stressors, deep ocean, bottom, predictive, assisted adaptation, e.g. of coral reef



R&D Priority Area 4: Data & information System





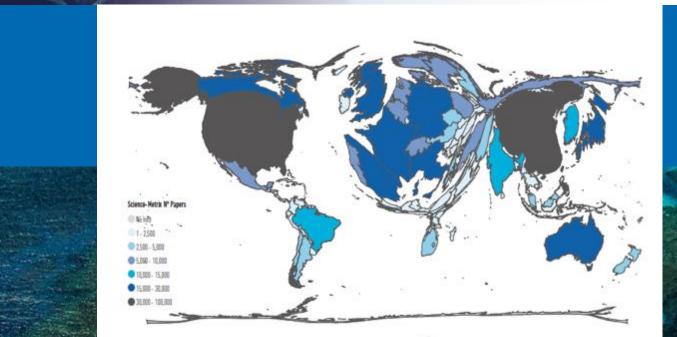


R&D Priority Area 6: Ocean in earth-system observation, research and prediction, with engagement of social and human sciences and economic valuation



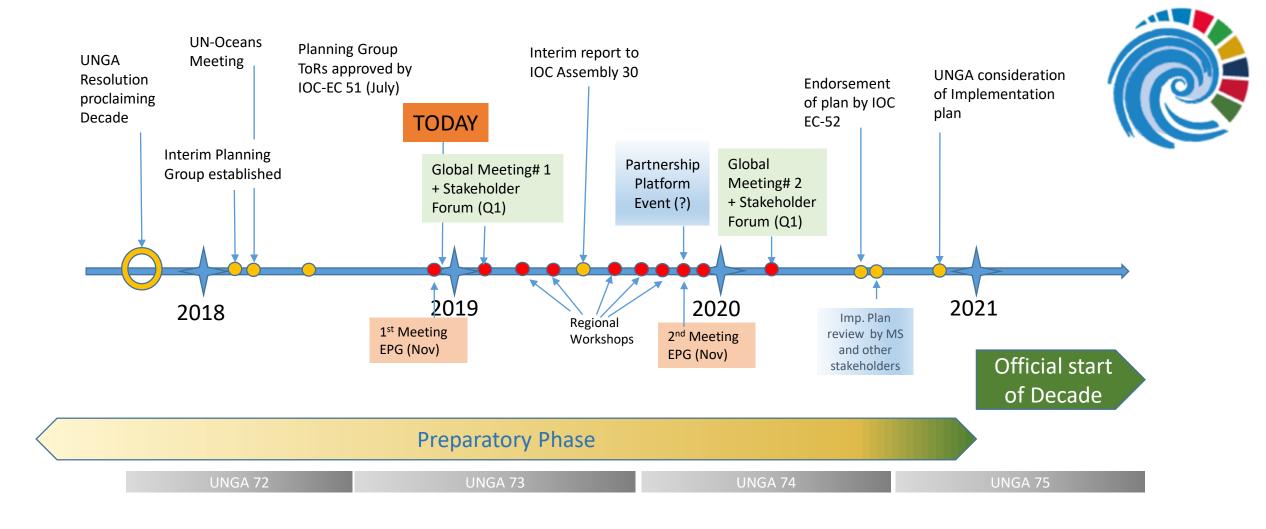


R&D Priority Area 7: Capacity Development Education and Training Ocean Literacy











Preparing for the Decade: Next Steps

HOW TO PREPARE THE DECADE: PREPARATORY PHASE (2018-2020) GOVERNANCE



UN OCEANS

UN AGENCY UN AGENCY UN AGENCY

REGIONAL WORKSHOPS

(Regional stakeholders)

PLANNING GROUP

Expert advisory body (Scientific Experts and Ocean users)

IOC GOVERNING BODIES (IOC MEMBER STATES)

STAKEHOLDER FORUM

Consultative body, coordinating stakeholders contribution at institutional level (Global Stakeholders)

SCIENCE COMMUNITY

POLICY-MAKERS PRACTITIONERS **BUSINESSES AND INDUSTRIES**

CIVIL SOCIETY

DONORS

PARTNERSHIP PLATFORM EVENT

























CBD

CTED

ESCAP

FAO

IAEA

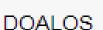


IMO



ISA

DESA































OHRLLS



UNDP

UNEP

UNESCO

UNHCR

UNIDO

UNITAR

UNU

UNWTO

WMO

World Bank

Executive Planning group

- Francisco Arias, Director General, Invemar, Colombia
- Elva Escobar Briones, Institute of Marine
 Sciences and Limnology, UNAM, Mexico
- Karen Evans, Senior Research Scientist,
 CSIRO Oceans and Atmosphere, Australia
- Kristina Gjerde, Senior High Seas Advisor to IUCN's Global Marine & Polar Programme
- Anna Jöborn, Director, Science Affairs
 Department, Agency for
 Marine and Water Management, Sweden
- Suzan Kholeif, Director, National Institute of Oceanography and Fisheries, Egypt
- Jens Kruger, Head of the Ocean & Costal Geoscience Sector, Pacific Community (SPC)

- Youn-Ho Lee, Professor, Korea Institute of Ocean Science and Technology, Republic of Korea
- Margaret Leinen, Director, Scripps Institution of Oceanography, USA
- **M.A. Atmanand,** Director of the National Institute of Ocean Technology, India
- Craig McLean, Acting Chief Scientist, NOAA, USA
- Linwood Pendleton, Global Ocean Lead Scientist, World Wide Fund for Nature
- Fangli Qiao, Vice-Chair, National Scientific Committee of Global Change and Mitigation, Ministry of Science and Technology of China
- Ricardo Serrao Santos, Member of the European Parliament, Portugal

- Sergey Shapovalov, Head of the Center for Coordination of Ocean Research of RAS, Russian Federation
- Gilbert Siko , Director in the Department of Science and Technology (DST), South Africa
- Mitsuo Uematsu, Emeritus professor, University of Tokyo, Japan
- Martin Visbeck, Professor for Physical Oceanography, GEOMAR Helmholtz Centre for Ocean Research Kiel and Kiel University, Germany
- Christa von Hillebrandt-Andrade,
 Manager of the NOAA National Weather
 Service Caribbean Tsunami Warning
 Program, USA

2019 planning events

Decade meetings	Possible side-events at internation meetings	Planning and consultative meetings
January		
February	IODE-XXV Scientific Conference, 18-19, Tokyo	
March	AtlantOS General Assembly, 26-29, UNESCO HQ, Paris	1st Global Planning Meeting & Stakeholder Forum, March/April, Denmark
	IOCARIBE 15th Intergovernemental session, 11-15,	Regional workshop 1: Carribean (back-to-back with IOCARIBE 15th session)
April		Regional workshop 2: Pacific Islands, SPC, April/August
		Regional workshop 3: Southeast Pacific, CPPS, April/August
May	European Maritime Day, 16-17, Lisbon	Regional workshop 4: South Atlantic, Brazil, Brazil,
June	IOC Assembly 26th June-4th July	Regional workshop 5: North Atlantic, European Marine Board/JPI Oceans,
	EurOCEAN 2019, 11-12, UNESCO HQ, Paris	
July	IOC Assembly 26th June-4th July	
August	11th WIOMSA Scientific Symposium, 8-13,	
	Mauritius	Regional workshop 6: North Pacific, WESTPAC, August
	GOOS Regional Alliances	Regional workshop 7: Indian Ocean, Mauritius, Mautitius, August (backto-back with 11th WIOMSA Scientific Symposium)
September		
October	OceanObs' 19 – An Ocean of opportunity, 16-20, Honolulu, Hawaï	Cross-regional wrap-up workshop back-to-back with OceanObs'19
November		
December		
TBD		Regional workshop 8: Arctic, Norway, TBD
		Regional workshop 9: Mediterranean, TBD
		Regional workshop 10, Antarctic, SCAR, (?)
		Regional workshop 11, Red Sea & Gulf of Aden, PERSGA, Saudi Arabia(?)

UN Decade UNDOSSD Vlaanderen-België



- Bevraging december maart 2019
- Klankbordgroep 7 december 2019:
 brainstormsessie-uw mening!
- Keynote IOC Marine Science Day maart 2019
- Online surveys

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



UNDOSSD Relevante processen in instrumenten



- Voorbereidende teksten KaderProgramma 9
- Voorbereidende teksten Strategisch
 Werkplan HorizonEurope 2021
- Onderzoeksagendas lokaal, regionaal, EU, thematisch,..
- Flanders UNESCO Science Trust Fund FUST

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



Get in touch

Write to us: oceandecade@unesco.org

Follow all Decade news: http://oceandecade.org

Social media:





locUnesco



ioc_unesco

