



Agenda 4.2.2

An overview of the Sub-Commission's efforts in the UN Ocean Decade, and the Decade Coordination Office

Wenxi Zhu, Ken Ando, Fangli Qiao, Tan Shau Hwai, Vo Si Tuan, Zainal Arifin, Gil Jacinto, Somkiat Khokiattiwong, Youn-Ho Lee, Weidong Yu
Decade Coordination Office, IOC Sub-Commission for the Western Pacific

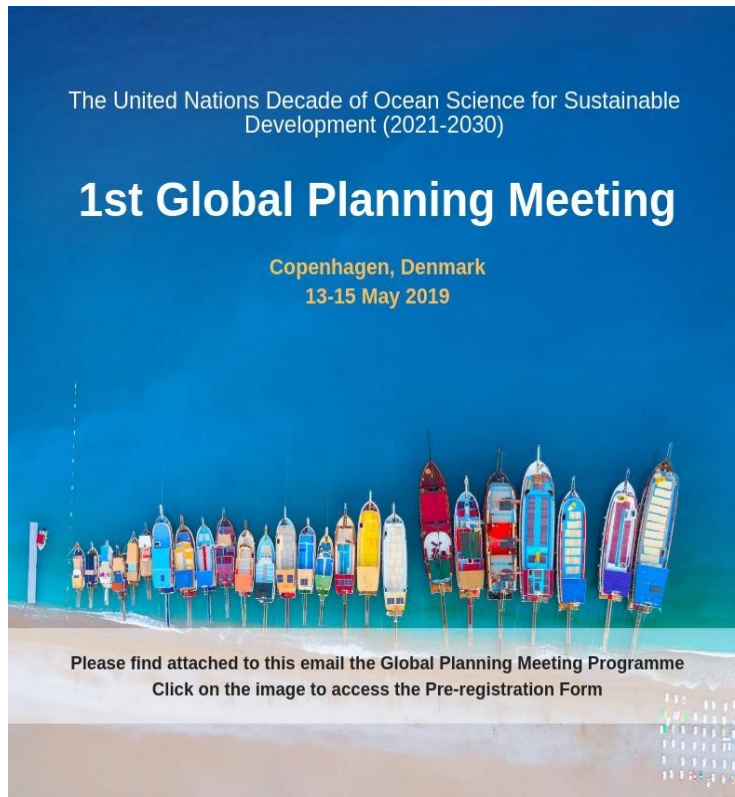


Fourteenth Intergovernmental Session of the IOC Sub-Commission for the Western Pacific
4-7 April 2023, Jakarta, Indonesia



1st Global Planning Meeting

13-15 May 2019 - Copenhagen



Regional Planning Workshop

31 July- 2 August 2019, Tokyo, Japan



From the People of Japan



Regional Consultative and Planning Workshop towards the UN Decade of Ocean Science for Sustainable Development (2021-2030)
31 July- 2 August 2019, Tokyo, Japan

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



<http://iocwestpac.org/calendar/905.html>
<http://oceandecade.org>



2021
2030 United Nations Decade
of Ocean Science
for Sustainable Development

THE OCEAN DECADE VIRTUAL SERIES

10 Nov 2020

13:00pm - 15.00pm (Bangkok time)
07.00am - 09.00am (Paris time)

Co-designing the Ocean Science we
need for the Western Pacific
and adjacent areas



Mobilize Actions for the UN Ocean Decade



Regional Planning Workshop for the North Pacific

2019/Tokyo



Regional Planning Workshop for the North Pacific on 31 July – 2 August 2019, Tokyo, Japan

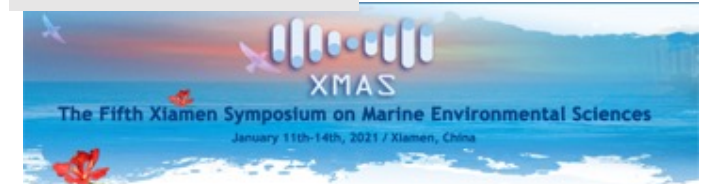
Decade regional dialogue on co-designing ocean science we need

2020/remote



Decade Regional Dialogue on co-design ocean science on 9 November 2020, Remote

2021/Xiamen, China



Special Forum on the UN Decade of Ocean Science for Sustainable Development on September at the X-MAS, on 14 January 2021, Xiamen, China

2019/Qingdao, China



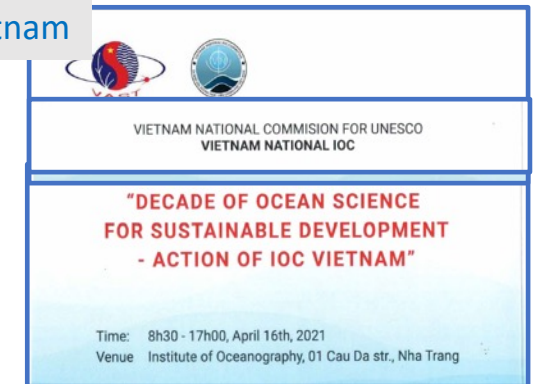
Workshop on UN Decade of Ocean Science for Sustainable Development on 5-6 September 2019, Qingdao, China

2021/Malaysia



Launch of Malaysia's Decade of Ocean Science for Sustainable Development, on March 29-31, 2021, Malaysia

2021/Vietnam



National Workshop on the UN Decade of Ocean Science for Sustainable Development, on 16 April 2021, Nha Trang, Vietnam

Mobilize Actions for the UN Ocean Decade



2021/ China



World Oceans Day, 8 June 2021, Qingdao, China

2021/Thailand



Science for Sustainable Use of the Oceans, 28 September 2021, Thailand

2021/UNESCAP



UNESCAP Asia-Pacific Day for the Ocean, 27 October 2021, online

2022/Indonesia



International Workshop on Small Island Studies, 19-20 August 2022, Jakarta, Indonesia

2021/Thailand



National Workshop on the UN Decade of Ocean Science, 1 December 2021, Bangkok, Thailand

2022/the Philippines



East Asia Summit Workshop on Maritime Cooperation "Technical and Scientific Cooperation Towards Clean, Healthy, and Sustainable Oceans", August 30 - September 1, 2022, Manila, Philippine

2022/ China



IOI International Training on Ocean Governance, 7 September 2022, Tianjin China

UN Ocean Decade Kickoff Conference for the region

25-26 November 2021, Bangkok, Thailand, Virtual



UN Ocean Decade Kickoff Conference for the Western Pacific and its Adjacent Areas

Watch the Opening on November 25 at 1300-1520 Bangkok (UTC+7)

Watch the conference livestream



Participant logging in

Opening

Introduction to the Ocean Decade – "The Ocean Science We Need for the Ocean We Want"

1330-1420 High-Level Segment – The ocean sustains lives and livelihoods, we must "think globally and act locally" to "make peace with nature to deliver a prosperous and equitable world for all, leaving no one behind".

H.E. Hong Wang, Vice Minister, Ministry of Natural Resources, China

H.E. Laksana Tri Handoko, Chair, National Research and Innovation Agency, Indonesia

H.E. Takashi Yanagi, Senior Deputy Minister, Ministry of Education, Culture, Sports, Science and Technology, Japan

H.E. Dato' Mansor Bin Haji Othman, Deputy Minister, Ministry of Environment and Water, Malaysia

H.E. Ambassador Ma. Theresa Parreno Lazaro, Undersecretary, Department of Foreign Affairs, the Philippines

H.E. Armida Salsiah Aisjahbana, Executive Secretary, The United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP)

H.E. Shigeru Aoyagi, Director, Asia and Pacific Regional Bureau for Education, UNESCO

1420-1515 Stakeholder Roundtable Dialogue – The ocean and ocean science hold answers to many defining challenges plaguing humanity. How could we unlock these solutions to sustainable development challenges in the region?

Panelists

Renato U. Solidum, Jr., Undersecretary, Department of Science and Technology (DOST), the Philippines

Minhan Dai, Academician of Chinese Academy of Sciences, Xiamen University, China

Hide Sakaguchi, President, Ocean Policy Research Institute of The Sasakawa Peace Foundation

Montri Rawanchaikul, CEO, PTT Exploration and Production Public Company Limited

Maevae Nightingale, Senior Programme Officer, IUCN

Seung-Tae Yoon, Early Career Ocean Professional, Kyungpook National University, Republic of Korea

- More than 3, 000 participants
- High Level Commitments & Stakeholder Roundtable Dialogue
- Voice from the Youth
- 17 UN Ocean Decade Incubators



UN Ocean Decade

Watch the YouTube livestream video!

<https://www.ioc-westpac.org/decade-kickoff-conference/program>

Decade Action Incubators

UN Ocean Decade Kickoff Conference for the region, 25-26 November 2021



UN DECADE OF OCEAN SCIENCE FOR SUSTAINABLE DEVELOPMENT (2021-2030) REGIONAL KICKOFF CONFERENCE FOR THE WESTERN PACIFIC AND ITS ADJACENT AREAS

DECADE ACTION INCUBATOR 1:
OCEAN SOLUTIONS: Understand the multiple stressors on coastal ecosystems and provide solutions that benefit people, nature, and economy
 25 NOVEMBER 2021 | 8.30 – 10.30 AM (UTC+7)

MODERATORS:

- PROF. BONY A. ALLEN, Vice-Chairman of OC WESTPAC
- DR. ERICA TOWLE, NOAA National Coastal Reef Monitoring Program Coordinator
- PROF. ZULFIGAR YEGOR, Centre For Marine & Coastal Studies, Universiti Sains Malaysia
- DR. UMI ENDO HERUWANI, National Research and Innovation Agency, Indonesia
- DR. CHARISSA FERBERA, Marine Science Institute, University of the Philippines
- NEE. MAWATHA VESNAMENDIN, Dept. Marine & Coastal Resources, Thailand
- DR. VO TRAN TUAN LINH, Institute of Oceanography, Vietnam Academy of Science and Technology
- DR. LIYANG ZHAN, Third Institute of Oceanography, Ministry of Natural Resources

Incubator 1: Ocean Solutions

Proposed to the Ocean Decade by:

Marine Life 2023

Many international academic and civil society partners

Ocean Shot

Incubator 2: Marine Life 2023

Advance the application of remote sensing to coastal habitat mapping and monitoring

Conveners: Teruhisa Komatsu and Vo Si Tuan

Incubator 3: Advance the application of remote sensing

MARINE MAMMAL & SEA TURTLE MANAGEMENT IN THE DIVERSE SOUTHEAST ASIAN REGION

Jo Marie Acebes, Ph.D., DVM
 Senior Museum Researcher, National Museum of the Philippines; Founder, BALYENA.ORG

Incubator 4: Advance marine mammal and sea turtle studies

- The Asian Marginal Seas (AMS)**
- The Asian Marginal Seas (AMS) is a very important region for human society due to the region's productivity, fishery resources, and a large number of population on surrounding lands.
- The changing climate, together with human economic activities, has wrought significant changes in the hydrological and biogeochemical cycles, affecting the ocean structure and marine ecosystems in the Asian Marginal Seas, and ultimately impacting productivity and fisheries.
- This incubator will present the latest advances on the science of the Asian Marginal Seas, reveal the significant environmental changes, demonstrate the valuable science solutions to serve society's needs, in particular for fishery and nutrient managements.
- WESTPAC programme**
- A programme for international cooperative studies to exchange information and ideas on the Asian Marginal Seas has been approved in the WESTPAC this year, which is **Healthy, Productive and Sustainable Asian Marginal Seas: Understanding changes in the marine environment in response to global climate change**. (PIs: Jing Zhang & SungHyun Noh)
- Agenda of the incubator-5 session consists of three parts**

 - Topics containing in the program
 - Communication with fishery, climate and social sciences
 - Discussion

Incubator 5: Nothing marginal about the Asian Marginal Seas

Incubator 6
Save Our Corals: a partnership programme catalyzing knowledge and ocean science solutions to enhancing coral reef resilience

Speakers

- Chou Loke Ming, National University of Singapore
- Tadashi Kusumi, Japan Global Research Center
- Prasanna Kumar, National Park Board, Singapore
- Takashi Nakamura, University of the Ryukyus, Japan
- Crista Novela, University of Philippines - Marikina, Philippines
- Nguyen Van Long, Institute of Oceanography, Vietnam
- Virginia Hart, SOCCOUP Project
- Rada Lergman, KTH - The Royal Institute of Technology, Thailand
- Hendri Yustin Stry, Ministry of Marine Affairs and Fisheries of Indonesia
- Ale Woo Sea Pin, Centre for Ocean and Coastal University Science Malaysia
- Vo Si Tuan, Institute of Oceanography, Vietnam

Conveners

25 November 2021 1530-1730 (UTC+7), Bangkok time

Incubator 6: Save our corals

Incubator-7

UN Decade of Ocean Science for Sustainable Development (2021-2030) Regional Kickoff Conference for the Western Pacific and Its Adjacent Areas 25-26 November 2021, online

The Requirement and Application of Oil and Gas Development for Ocean Forecast System

Speaker: Botao Xie
 China National Offshore Oil Corporation Research Institute, China

Incubator 7: Seamless ocean forecasting and service system

Decade Action Incubator Series

INCUBATOR 8: Unlock the mysteries and opportunities about marine biodiversity in the Indo-Pacific Convergent Center

26 November 2021, 0830-1030 (UTC+7, Bangkok time)

Incubator 8: Unlock the mysteries and opportunities about marine biodiversity

Decade Action Incubators

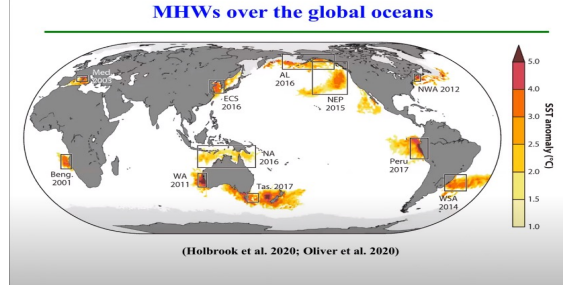
UN Ocean Decade Kickoff Conference for the region, 25-26 November 2021



Decade Action Incubator Series

INCUBATOR 9: Solutions to the conflicts of ocean uses: Accelerate marine spatial planning in the Western Pacific

26 November 2021, 0830-1030 (UTC+7, Bangkok time)



Incubator 11

Stem the tide of plastic and microplastic transport from rivers to the ocean

26 November 2021 10:30-12:30 (UTC+7, Bangkok time)

WESTPAC-HAB

Fostering transformative HAB sciences for societal applications

Endorsed by IOC SCOR GlobalHAB

Under the changing ocean environment with climate change, more frequent Harmful Algal Bloom (HAB) has been observed and its geographical coverage has been also expanded. The HABs cause health problems and fish kills, which are risks for human well-being and sustainable seafood provision to the society.

Mitigation and management of the impact by HABs to the society is a common urgent issue to address for sustainable development, which contribute to the **outcomes of the UN Ocean Decade**, namely:

- "A **Safe Ocean** where life and livelihoods are protected from ocean-related hazards".
- To mitigate shellfish poisoning cases and fish kills would also contribute to "A **Productive Ocean** supporting sustainable food supply and a sustainable ocean economy".
- Furthermore, early detection and early warning of the HABs would promote "A **Predicted Ocean** where society understands and can respond to changing ocean conditions."

Incubator 9: Solutions to the conflicts of ocean uses

Incubator 10: Ocean spikes a fever

Incubator 11: Stem the tide of plastic transport from rivers to the ocean

Incubator 12: Foster transformative HAB sciences for societal applications

Welcome to the Incubator 13: Kuroshio

1. Introduction - Current Status of WESTPAC CSK-2 project (X Lin)
2. Co-working in marine science - CLIVAR/NPOCE and cross-cutting collaborations with CSK-2 (F Wang)
3. Co-working on data collections with other frameworks
 - Observing Network and Forecasting Systems of NEAR-GOOS (R Pang)
 - Ocean Data and Information Network for the WESTPAC Region (J Yu)
4. Needs/issues/gaps in working with meteorological agencies
 - Applications and services with operational ocean forecasting system in JMA (N Hirose)
 - The gaps of Ocean observation from the needs of Meteorological Forecast (J Su)
5. Needs/issues/gaps in working with fishery agencies
 - Cooperation among stakeholders toward the sustainable use of fisheries resources in the Kuroshio (Y Tian)
 - Kuroshio Current: What it means to Philippine Fisheries Management and Climate Change Adaptation (M. Santos)
6. Knowledge needs/issues/gaps on the perspectives of education
 - Dissemination of Ocean Literacy in CSK-2 Region Linking Research and Education (S Oguma and T Sasaki)
7. Knowledge needs/issues/gaps in local fishing needs
 - Collaborative study with stakeholders in Suruga Bay (K Tanaka, etc.)
8. Discussion (K Ando, C Villanoy)
 - Framework of sustainable dialogues among stakeholders
 - Proposal to the 2nd Decade Actions

Incubator 14

Towards Ocean Sustainability: Direction of Science and Technology We Need for the Blue Economy We

Dr. Pornsri Suthanaruk
Deputy Director General
Department of Marine and Coastal Resources
Ministry of Natural Resources and Environment
THAILAND

Coastal erosion in THAILAND

Introduction - Importance of ocean prediction -

- Marine heatwave
 - Non-SST
 - Coral bleaching
- Pumice (Light stones)
 - Submarine volcano
 - Pumice
- Strong coastal current
 - Nearshore
 - Offshore
 - Sinking aquaculture raft

- Ocean prediction could contribute to marine environment, fisheries, and marine transport etc.
- Accurate datasets are required for ocean prediction and monitoring.

Early Career Ocean Professional (ECOP)

Professional experiences with **less than 10 years**

Task Teams: Youth Engagement, Ocean Literacy, Corporate Sustainability, Monitoring & Training, Network of Networks

Communications Team: Coordination of ECOP Activities, ECOP Board

ECOP Asia (8 countries)

ECOP Advisory Council

Incubator 13: Explore the strongest ocean current in the Western Pacific

Incubator 14: Science and technology for blue economy

Incubator 15: Enhance coastal resilience and adaptation

Incubator 16: Societal applications of ocean data assimilation and forecast

Incubator 17: Early Career Ocean Professionals (Asia)

WESTPAC UN Ocean Decade Actions

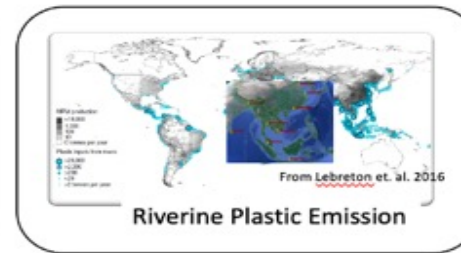
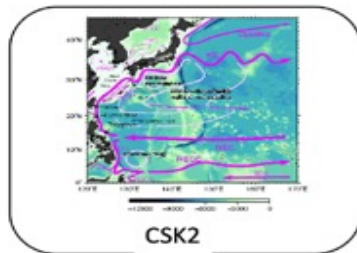
First batch of results



More Decade Actions details under Agenda 4.2

Four Sub-Commission's actions jointly developed and accepted as UN Decade Actions (Programme/Project)

- **UN 24**---Explore the strongest ocean current in the Western Pacific: the 2nd Cooperative Study of Kuroshio and Adjacent Regions – from its sciences to human well beings
- **UN 23**---Accelerating capacity development transformations in the Western Pacific - Regional Network of Training and Research Centers (RTRCs) on Marine Science
- **UN 22**---Stem the tide of Asia's riverine plastic emission into the ocean
- **UN 21**---Accelerate Marine Spatial Planning in the Western Pacific and its Adjacent Areas



Decade DCO extending WESTPAC office with the support of all countries !

Senior Governmental Officials Roundtable & National Decade Committees Forum



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Facebook



Youtube



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Introduction to the Ocean Decade – "The Ocean Science We Need for the Ocean We Want"	

1330-1420

High-Level Segment – The ocean sustains lives and livelihoods, we must “think globally and act locally” to “make peace with nature to deliver a prosperous and equitable world for all, leaving no one behind”.



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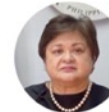
H.E. Laksana Tri Handoko
Chair, National Research and Innovation Agency, Indonesia



H.E. Takashi Yanagi
Senior Deputy Minister, Ministry of Education, Culture, Sports, Science and Technology, Japan



H.E. Dato' Mansor Bin Haji Othman
Deputy Minister, Ministry of Environment and Water, Malaysia



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Montri Rawanchaikul
CEO, PTT Exploration and Production Public Company Limited



Maeve Nightingale
Senior Programme Officer, IUCN



Seung-Tae Yoon
Early Career Ocean Professional, Kyungpook National University, Republic of Korea



2021 United Nations Decade
2030 of Ocean Science
for Sustainable Development



Somkiat Khokiattiwong
Programme Officer for
Marine Biodiversity



Wenxi Zhu
Head of the Office



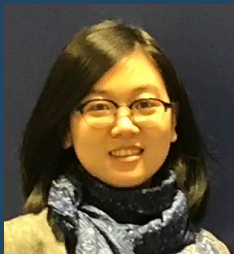
Nachapa Saransuth
Senior Programme Assistant



Angkana Rawichutiwan
Decade Regional Coordination Officer



Zhiwei Zhang
Programme Officer for
Marine Spatial Planning



Shengle Yin
Junior Professional Officer



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Ocean Science Communication



Thirakan Saibua
Administrative Staff

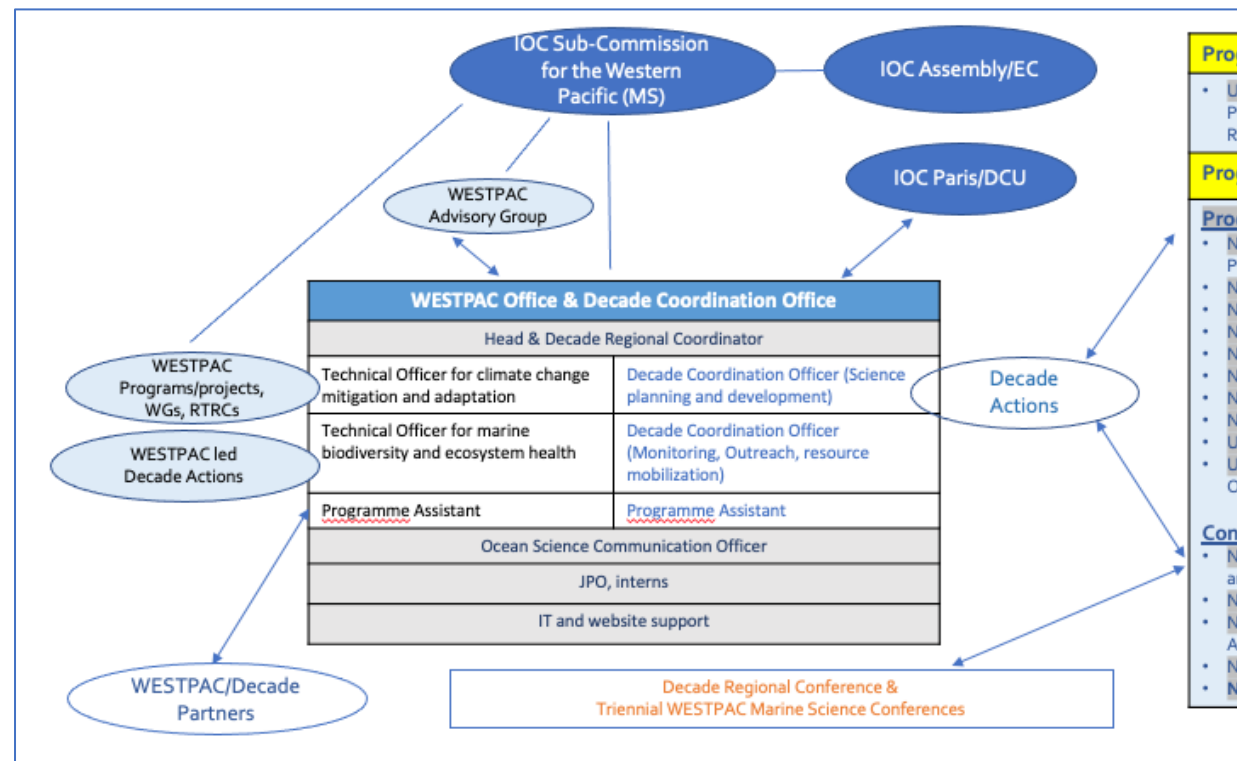


?????????????
Knowledge and Information
Management



2021 United Nations Decade
2030 of Ocean Science
for Sustainable Development

Operation WESTPAC Office/Decade Coordination Office



Future effort

I would leave this question to all of our Member States in the region.

