





The 32nd Session of the IOC Assembly

Key accomplishments over the last intersessional period and major results of the WESTPAC –XIV (4-6 April 2023)

Kentaro Ando, Wenxi Zhu, Fangli Qiao, Tan Shau Hwai, Fadli Syamusdin

Vo Si Tuan, Zainal Arifin, Gil Jacinto, Youn-Ho Lee, Somkiat Khokiattiwong, Weidong Yu

IOC Sub-Commission for the Western Pacific, IOC/UNESCO

Agenda 3.3.2

Please refer to the full report (IOC/SC-WESTPAC-XIV)

Part 1-1: Mobilize Actions for the UN Ocean Decade









World Oceans Day, 8 June 2021, Qingdao, China

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



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



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

Ocean Institute ANNIVERSARY



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



National Workshop on the UN Decade of Ocean Science

1 December 2021, Bangkok, Thailand

Part 1-1: Mobilize Actions for the UN Ocean Decade

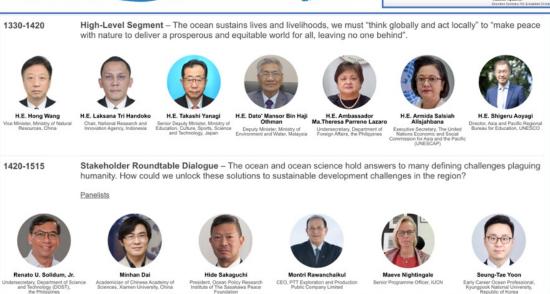












- More than **3, 000** participants/viewers
- High Level Commitments & Stakeholder Roundtable Dialogue
- Voice from the Youth
- 17 UN Ocean Decade Incubators







UN Ocean Decade



Part 1-1: Mobilize Actions for the UN Ocean Decade

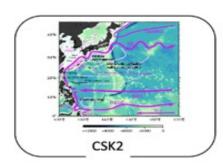




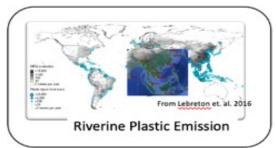


Four Sub-Commission's actions jointly developed and accepted as UN Decade Actions (Programme/Project)

- 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 <u>Asia's riverine plastic emission</u> into the ocean
- UN 21---Accelerate Marine Spatial Planning in the Western Pacific and its Adjacent Areas







DCO is in the extending WESTPAC office with the support of all countries!

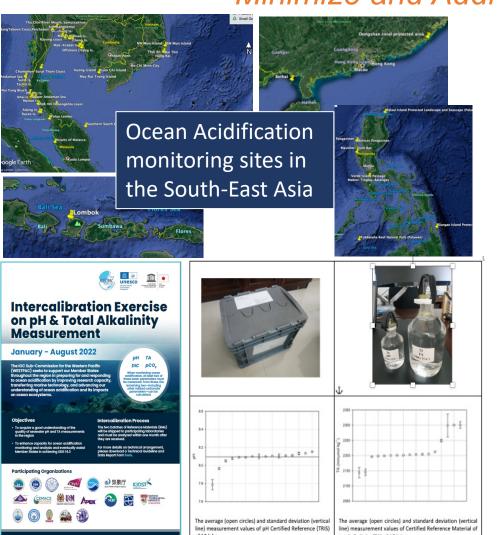
Part 1-2: Delivering knowledge and services for Sustainable Development



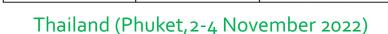




Minimize and Address the Impacts of Ocean Acidification







Vietnam (Nha Trang, 13-15 October 2022)

Part 1-2: Delivering knowledge and services for Sustainable Development







Advance the Application of Remote Sensing for Sustainable Development

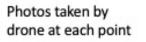




International Webinars on







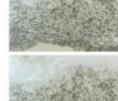






Examples of seagrass photos taken by drone for further processes and input in the GEE processes.







The result of the GEE analysis found the coverage of seagrass in 3 sites is 0.72 km²







Low density (% of seagrass coverage is < 25)

> High density (% of seagrass coverages 51-75)





Ao Ma Kham Pom, Rayong Province, Thailand

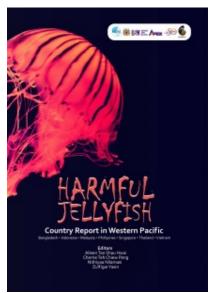
Part 1-2: Delivering knowledge and services for Sustainable Development







Delivering Knowledge on Harmful Jellyfish for Public Health



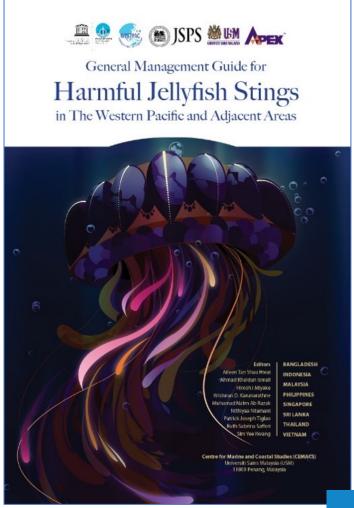












Part 1-2: Delivering knowledge and services for Sustainable Development







Accelerate Marine Spatial Planning in the Western Pacific- UN 21 & MSP Global 2.0

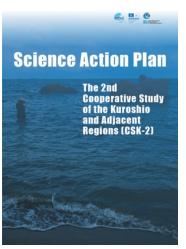


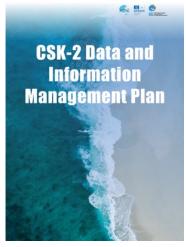
December 2022

- Regional Dialogue for Accelerating Marine Spatial Planning in the Western Pacific

Then, Published "Regional MSPforum for Western Pacific and its Adjacent Areas – 1st edition" as an event report.

2nd Cooperative Study of Kuroshio and Adjacent Areas (CSK-2)—UN24







3 times of Steering Group Meetings from eight (8) MSs (China, Indonesia, Japan, Korea, Philippine Russia, USA, Vietnam)

WG on Gas Hydrates and Methane Fluxes and their Impact on Climate, Ecosystem and Socio-Economic Development

1st CoSGas meeting, March 18, 2022, 15 participants: China, India, Indonesia, Japan, New Zealand, Russia, Vietnam

WG on Integrated Investigation in Indo-Pacific Convergence Center: Marine Ecosystem and Biodiversity

Organized two Scientific Committee meetings to identify the priority areas and common interests in the Indo-Pacific Convergent Center

Part 1-3: Capacity Development Strategy and Actions







"Development of "UNESCO/IOC Regional Network of Training and Research Centers (RTRCs) on Marine Science"

"Training Through Research" via the engagement of early career scientist into WESTPAC research programmes

Establishment of "WESTPAC Best Young Sientist Award" and "WESTPAC Young Scientist Grant

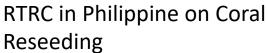
Initiation of "<u>WESTPAC Young Scientist Forum</u>" to exchange their perspective on marine science development and cooperation

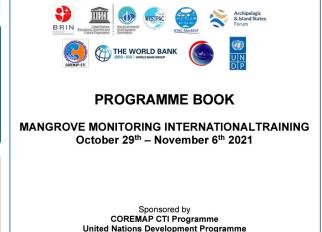
Conduct of "Bring Marine Science to School" to inspire young generations/school



RTRC-ODC: 11th meeting in China







Hosted by National Research & Innovation Agency (BRIN) Archipelagic & Island States (AIS) Forum

2021

Mangrove Monitoring International Training

29 Aug 2021 @ 1:30 pm - 06 Nov 2021 @ 4:00 pm UTC+7



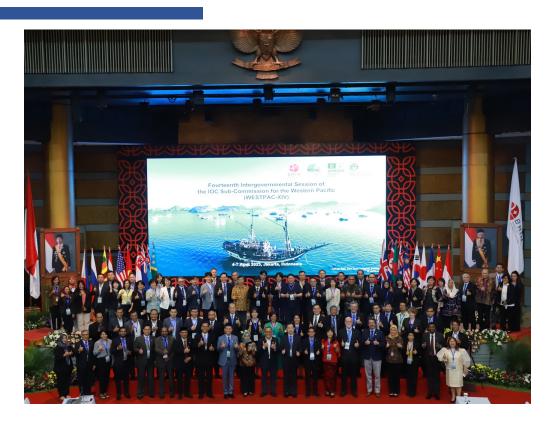
RTRC-MarBEST in Indonesia on Mangrove Monitoring

Part 2: Major results WESTPAC-XIV, 4-6 April, Jakarta, Indonesia









Results of elections

Kentaro Ando (Chair), Aileen Tan (Vice Chair),
 Fadli Syamsudin (Vice Chair)

Next Session

- March or April 2025 in Tokyo Japan

Establishment of new Working Groups

- Small Island Research and Development
- Blue carbon Actions in the Western Pacific
- Advancing Marine Citizen Science
- Traditional and Local Knowledge

• <u>Establishment of RTRC</u>

- Coastal Contaminant Monitoring and Marine Innovative Technologies (RTRC-Coastal COMMIT)
- Senior Governmental Official meeting
 - Jakarta Statement for fostering UN Decade of Ocean Science in the region and further contribution to our globe

Programme and Budget:

- Adopted the Programme and Budget for 2023 to 2025, with a total budget estimate of USD3.4 M
- Have to be carried out via extrabudgetary support from Member States, either in cash or in kind

Side event: National Decade Committee forum

- Pro. Yutaka Michida and Dr. Youn-Hoo Lee led the event
- Share experiences and lessons learned in the development
- Discuss how NDCs could further demonstrate their value



DECADE OUTCOMES

"THE OCEAN WE WANT"



A clean ocean



A healthy & resilient ocean



A productive ocean



A predicted ocean



A safe ocean



An accessible ocean



An inspiring & engaging ocean

WESTPAC KEY AREAS OF ACTIONS

A: Ocean processes and climate change

B: Marine biodiversity seafood safety and security, blue economy

C: Ocean ecosystem and public health

D: Enhanced knowledge for emerging issues

WESTPAC PROGRAMMES/WORKING GROUPS 2023-2025 (total number: 29 including RTRCs)







GO₂NE

A 1: NEAR-GOOS

A 2: Ocean Forecasting (SEA-GOOS)

A 3: Ocean Acidification (SEA-GOOS)

A 4: Changing Asian Marginal Seas and their responses

A 5: Upwelling studies through data integration towards ocean health

A 6: South China Sea Fluvial Sediment and its Environmental Changes

UN 24: 2nd Cooperative Study of Kuroshio and its adjacent areas

B 8 Coral Reef Conservation, Restoration and Resilience

B 9: DNA taxonomy and recruitment monitoring-environment DNA

B 10: Marine toxins and seafood safety

UN 21: Marine Spatial Planning

C 12: Ocean remote sensing for habitat mapping

C 13: Harmful jellyfish research and monitoring

C 14: Harmful algae blooms

UN 22: Asian rivers' plastic input to ocean

WG2021: Rapid Detection Techniques for Harmful Algal Blooms

WG2021: Indo-Pacific Convergent Center

WG2023: Small island research and development

WG2023: Blue carbon actions

WG2023: Citizen science

WG2023: Traditional and local knowledge

UN 23: Regional Network of Training and Research Centers (RTRCs) on Ocean Science

- RTRC on Marine Biodiversity and Ecosystem Health (BRIN, Indonesia)
- RTRC on Ocean Dynamics and Climate (FIO/MNR, China)
- RTRC on Marine Toxins and Seafood Safety (IO/VAST, Vietnam)
- RTRC on Coral Reef Restoration and MPAs (UPMSI, Philippines)
- RTRC on Plastic and Microplastic Research (ECNU, China)
- RTRC on Coastal Contaminant Monitoring and Marine Innovative Technology (CityU, Hong Kong SAR, China)

Operation of the WESTPAC Office / Decade Coordination Office - New Era and Big Challenge to the UN Ocean Decade -







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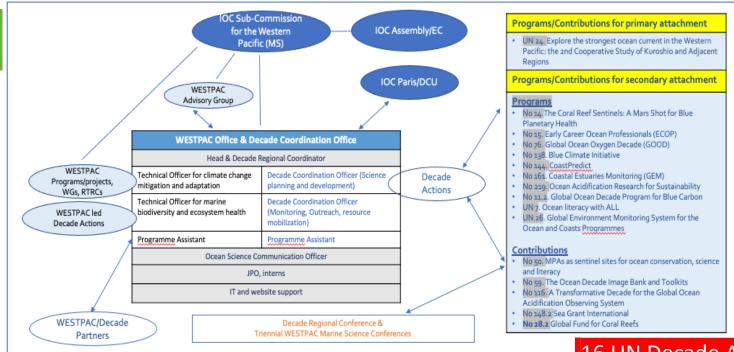
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- C 12: Ocean remote sensing for habitat mapping
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- C 14: Harmful algae blooms

UN 22: Asian rivers' plastic input to ocean

- WG2019: Ocean Oxvaen Network (WG)
- WG2021: Rapid Detection Techniques for Harmful Algal Blooms
- WG2021: Gas hydrate and methane flux
- WG2021: Indo-Pacific Convergent Center
- WG2023: Small island research and development
- WG2023: Blue carbon actions
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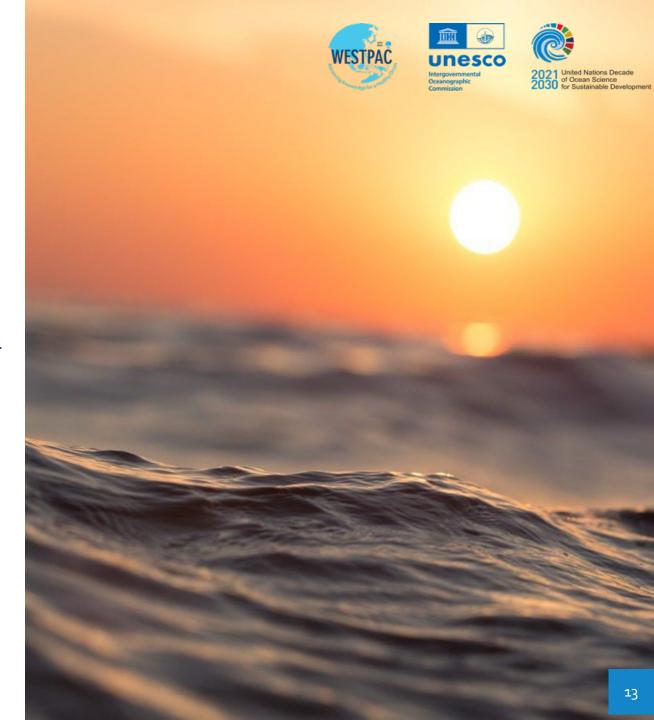
16 UN Decade Actions

Works in the office include to support 29 Programme/Project/Working Groups/RTRCs in WESTPAC, plus 16 UN Decade Actions, to conduct several AG meetings, one Intergovernmental Session, one International Marine Science Conference, one Regional Decade Conference, and also to serve as regional DCO to coordinate with DCU and others.

Need further supports from Member States to the office

Future Directions

- 1. Ocean research impacts to be greatly enhanced, with the following approach to future programme development
 - Issue-based, solution-oriented approach, responding to national and regional priorities
 - Define "SMART" objectives
 - Involve end users, engage key stakeholders--uptake and use of research outside academia
 - Co-design and co-produce
 - Disseminating of research-efficient communication
 - Off course, we keep promotion of basic marine science
- 2. Leverage the opportunities of the UN Ocean Decade
- 3. Strengthen the WESTPAC Office/Decade Coordination Office











2nd UN Ocean Decade Regional Conference &

11th WESTPAC International Marine Science

Conference

Accelerating Ocean Science Solutions for Sustainable

22-25 April 2024, Bangkok, Thailand

Development"









































Thanks to all









United Nations . From Educational, Scientific and . the People Cultural Organization • of Japan







Funds-in-Trust







THAI National Commission for UNESCO สำนักเฉขาชิการคณะกรรมการแห่งชาติว่าด้วยการศึกษา



























