

## WESTPAC Advisory Group Meeting 2022

Phuket, Thailand, 26-28 October 2022

### PROVISIONAL AGENDA

1. Opening
2. Adoption of agenda

#### Part I. WESTPAC strategy, activities and capacities

3. Brief review of on-going WESTPAC programs/projects/working groups since the 13<sup>th</sup> WESTPAC Session, (27-29 April 2021, Virtual) and the implementation of relevant suggestions from the 13<sup>th</sup> Session.

*The review list of WESTPAC programmes, projects and WGs is annexed to this draft Agenda.*

*We will invite each programme, project and working group to submit a concise summary (1-2 pages) in a standard template by 20 August, with a focus **on its outputs, outcomes, achievement made since 13<sup>th</sup> WESTPAC Session, and its future plan.***

*In case if a programme, project or WG hasn't been able to conduct, or failed to communicate with the Sub-Commission (mainly through the WESTPAC Office), about its activities over the intersessional period, appropriate arrangements, such as practical suggestions for improvement, or termination, should be made.*

*Following the past practices, we will identify 2-3 AG members responsible for reviewing relevant activities under each thematic area of actions (except 3.4), and coming up with suggestions, including knowledge gaps which could be based on for the development of new programme/project/WG.*

- 3.1 Ocean and climate (by Ken)
  - 3.2 Marine biodiversity, ocean ecosystem health and human health (by Aileen)
  - 3.3 Knowledge of emerging issues (WGs) (by Aileen)
  - 3.4 Capacity development (in general) (by Somkiat)
  - 3.5 An overview about the Sub-Commission's development since its last Intergovernmental Session (WESTPAC-XIII, April 2021) (by Wenxi)
4. Development status of the IOC Regional Network of Training and Research Centres, and evaluation on a new proposal for a Regional Training and Research Centre on Pollution Assessment and Monitoring (City University of Hong Kong) (by Kenny joining online)
  5. Latest development on the UN Decade of Ocean Science for Sustainable Development (2021-2030)
    - 5.1 Global development (by Fangli, via ZOOM)
    - 5.2 WESTPAC led UN Decade Actions and Decade Coordination Office
      - o UN21: Accelerate Marine Spatial Planning in the Western Pacific and its Adjacent Areas (by Wenxi)

- **UN22: Stem the tide of Asia's riverine plastic emission into the ocean** (by Wenxi)
  - **UN23: Accelerating transformations in capacity development in the Western Pacific - Regional Network of Training and Research Centers (RTRCs) on Marine Science** (by Wenxi, Augy, Ha, Patrick)
  - **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** (by Ken)
  - **Decade Coordination Office** (by Wenxi)
- 5.3 Other Decade related matters (by all)
6. **The 11<sup>th</sup> WESTPAC International Marine Science Conference & 1<sup>st</sup> Regional UN Ocean Science Conference** (by 1-2 DMCR representatives)

## **Part II. Brainstorming on WESTPAC's future development in the post pandemic era**

7. **Brainstorming on what we shall further develop (10–12-minute thoughts, ideas, and perspectives by everyone)**  
**Roundtable discussion (Moderated by Gil, Zainal, Tuan)**
8. **Future development for the UN Decade of Ocean Science for Sustainable Development (2021-2030) and Decade Coordination Office (DCO)** (by all)
9. **Preparations for the Fourteenth WESTPAC Intergovernmental Session (tentatively Mar-April 2023)**
- **Host country and relevant arrangements** (by Zainal and BRIN Team)
  - **Preliminary Agenda of the WESTPAC-XIV** (by Wenxi and all)
10. **Date and Venue for the next Advisory Group meeting** (by Wenxi and all)
11. **Other matters**
12. **Closure**

**Annex: The review list of existing programmes, projects and WGs**

## 3.1 Ocean processes and climate in the Indo-Pacific

- North East Asian Regional-GOOS
- South East Asian Regional-GOOS
  - Monsoon Onset Monitoring and its Social & Ecosystem Impact (MOMSEI)
  - Ocean Forecasting System (OFS)
  - Monitoring the Ecological Impact of Ocean Acidification on Coral Reefs (Somkiat Khokiattiwong)
- Air-Sea Interaction in the Kuroshio Extension and its Climate Impact (Xiaopei Lin)
- South China Sea Fluvial Sediments and Environmental Changes (Zhifei Liu)
- Upwelling studies through ocean data integration towards sustaining ocean health and productivity (Mohd Fadzil Akhir)
- Indo-Pacific Ocean Environmental Variations and Air-Sea Interactions (Fangli Qiao)
- the 2<sup>nd</sup> Cooperative Study of Kuroshio and its Adjacent Regions (Ken Ando)
- Changing Asian Marginal Seas and their Response to Climate Change, (Jing Zhang\_Japan)

## 3.2 Marine biodiversity, healthy ecosystems and seafood security

- Coral reef restoration (Suchana Apple Chavanich)
- Coral Reef under Climate and Anthropogenic Perturbations (Thamasak)
- DNA Taxonomy and Recruitment Monitoring of the Coral Reef Marine Organisms (Youn-Ho Lee)
- Marine Toxins and Seafood Safety (Dao Viet Ha)
- Harmful Algal Blooms (Wakita & Lim)
- Ocean Remote Sensing for Coastal Habitat Mapping (Teruhisa Komatsu)
- Marine Endangered Species in Tropical Asia for Effective Conservation (Xuelei Zhang)
- Harmful Jellyfish Research Network (Tan Shau Hwai)
- Marine microplastic research and monitoring (Daoji Li)

## 3.3 Enhanced knowledge of emerging ocean science issues

- WG 005: Ocean Oxygen Network (WESTPAC O<sub>2</sub>NE) (Gil Jacinto)
- Working Group on Gas Hydrates and Methane Fluxes in the Indo-Pacific,
- Working Group on Rapid Detection Technology for Harmful Algal Blooms (Pengbin Wang)
- Working Group on Integrated Investigation in the Indo-Pacific Convergent Center: Marine Ecosystem and Biodiversity (Wang Fang)

## 3.4 Capacity development for marine science, observations and services

**3.4.1 Development Status of the IOC Regional Network of Training and Research Centres**

- *Regional Training and Research Centre on Ocean Dynamics and Climate (RTRC-ODC)*
- *Regional Training and Research Center on Marine Biodiversity and Ecosystem Health (RTRC-MarBEST)*
- *Regional Training and Research Center on Marine Plastic Debris and Microplastics (East China Normal University)*
- *Regional Training and Research Center on Reef Management and Restoration (University of the Philippines)*
- *Regional Training and Research Marine Toxins and Seafood Safety (Institute of Oceanography)*

**3.4.2 New proposal of a Regional Training and Research Centres on Pollution Assessment and Monitoring (City University of Hong Kong)**

**3.4.3 Other matters related to capacity development**