

Terms of Reference:

Side Event – Economic and Social Commission for Asia and the Pacific 79th Session
Bangkok, Thailand, 2023

Fostering Smart and Innovative Blue Solution for the Archipelagic and Island States

Session Information

Side Event	Fostering Smart and Innovative Blue Solution for the Archipelagic and Island States
Place, Date and Time	United Nations Conference Center, Bangkok, Thailand Meeting Room A (TBC) Monday, 15 May 2023 13.15 – 14.15 PM (UTC+7/ Bangkok Time)
Persons in Charge in session	Ms. Jatu Atum Sari
Contact person	Ms. Jatu Atum Sari (jatu.sari@undp.org)
Partnership	United Nations Development Program Indonesia, Archipelagic and Island States Forum Secretariat. Coordinating Ministry of Maritime Affairs and Investment Republic of Indonesia

Background

Archipelagic and Island States (AIS) globally shared the same symbiosis with the ocean and embracing it on their aspects of life. Moreover, they do also share common challenges against ocean environmental threats like natural disaster, marine pollution, marine plastic debris, unsustainable fisheries, and ocean sustainability. These threats have significantly risked the survivability of these nations. The AIS Forum was established as an open-ended, complementary, integrated, and inclusive developmental forum with regular meetings in synergy with other development initiatives.

Under the collaboration with University of Padjadjaran and University of Philippines, AIS Forum is proud to introduce the Advanced Drifter GPS Oceanographic Coverage Area (ARHEA) drone. ARHEA is an oceanographic parameter measurement instrument equipped with diving capabilities and depth settings capable of providing high-quality data and capable of data acquisition in

operations at depths of the water column. Recently, the drone was tested in the shores of Suva, Fiji, and Jakarta, Indonesia. These tests were successful to obtain real-time data through satellite signal relay on several data metrics.

On the other hand, together with National Research and Innovation Agency of the Republic of Indonesia, the Mangrove Health Index and its software (mobile and web-based) application, MonMang 2.0., was successfully developed to monitor mangrove and seagrass ecosystem condition in multiple areas. Capacity building on using the integrated platform has been done in multiple locations in Indonesia and on-the-ground training at Suva, Fiji.

Aligned with the spirit of “Accelerating Climate Action in Asia and the Pacific for Sustainable Development”, the Coordinating Ministry for Maritime & Investment Affairs of the Republic of Indonesia together with AIS Forum Secretariat will host a showcase program on our recent technology implementations in the Pacific region. These technologies are believed to be scalable and potential to be implemented in multiple AIS countries. The event will highlight the importance of these innovative tech solutions, which could be upscaled and replicated to address the pressing climate challenges that the region faces pertaining to the ocean environment.

Objectives

The expected outcome of the event deriving from our tech showcase are as follows:

- Demonstrating the availability of human resources capable of sampling, analyzing and assess the health of mangrove and sea/ocean ecosystems;
- Application of the methods on mangrove health index and the novel oceanographic tools;
- Dissemination on the importance of mangrove ecosystems and our ocean health;
- The establishment of a network and coordination among students, researchers, government institutions, private sector and other stakeholders for marine biodiversity and conservation;
- The establishment of easy access to data and information on the status of biodiversity and ecosystem health in the member countries in the region; and
- Debrief report of additional insight, feedback and potential collaboration with attendees.

Target Audience

Government Representatives, NGOs, CSOs and general public, particularly those from AIS countries.

Format

The talk show session will observe the following format:

1. Program Showcase
2. Q&A Session

Proposed Speakers and Moderator of Session

1. **I Wayan Eka Dharmawan, S.Si., M.Si**, Expert Researcher at National Research and Innovation Agency
2. **Noir P. Purba, Phd (cand.)**, Lecturer at University of Padjadjaran
3. **Moderator: Jatu Atum Sari**, Environmental Unit, United Nations Development Programme Indonesia

Tentative Agenda

Archipelagic and island states (AIS) Forum:
Fostering Smart and Innovative Blue Solution for the Archipelagic and Island States
Monday, 15th May 2023

Time		Duration	Description
Start	Finish		
13:15	13.20	5'	Opening Welcoming from the Moderator and introductions to speakers
13.20	13.25	5'	Video Screening <ul style="list-style-type: none">• Video of MonMang 2.0• Video of AIS Forum Program Showcase
13.25	13.45	20'	1st Session: Program Showcase <ul style="list-style-type: none">• <u>Mangrove Health Index and MonMang 2.0. application</u> by I Wayan Eka Dharmawan, S.Si., M.Si, Expert Researcher at National Research and Innovation Agency• <u>Advanced Drifter GPS Oceanographic Coverage Area</u> by Noir P. Purba, Phd (cand.), Lecturer at University of Padjadjaran
13.45	14.10	30'	2nd Session: Discussion <ul style="list-style-type: none">• Scaling up ARHEA and MonMang 2.0. in Pacific countries• Potential collaboration across archipelagic and island states
14.10	14.15	5'	Closing <ul style="list-style-type: none">• Video of AIS Forum's recent Senior Official Meeting Highlights• Closing statement from all speakers• Closing from the moderator

