



# Small Island Research & Development WG

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# Presentation outline



1. What is the issue?
  2. Why does the new initiative matter to the region and UN Ocean Decade?
  3. Proposed lifetime of the new initiative
  4. Objectives and expected outputs/outcomes
  5. Tentative members identified so far
  6. Activities tentatively planned for May 2023- April 2025
- Recommendations, if any

# 1. Small island Issues



- Small islands are individually distinct ecosystem and **host unique biological community** as a result of endemism (Myers et al., 2000).
- The islands also have **special geologic features** and attractiveness in land and seascapes.
- Small Island development increases dramatically in the last 10 – 20 years.
- Ecosystems associated with small island are under pressures due to development activities e.g., tourists, aquacultures, mining and fishing industries;
- Issues such as **lack of clean freshwaters, coastal erosion, pollution, habitat loss, sea-level rise, and lack alternative livelihood** are commonly found throughout the Westpac region.



1. Ambon isl. @Manulang (2018),
2. Pari isl. @Mumuh (23/12/2022)

# Development of small island



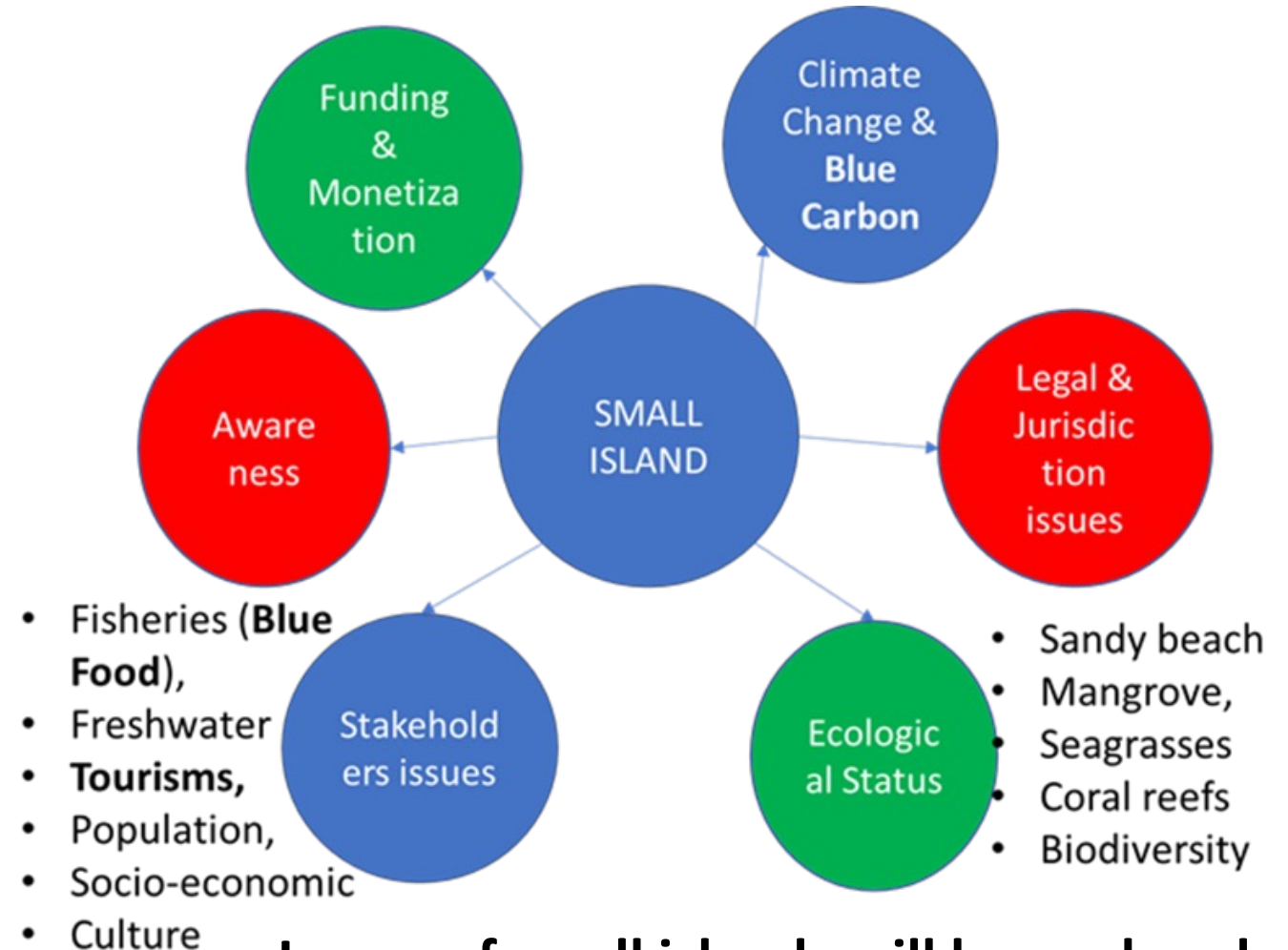
## DSI in the context of SDGs

- Biosphere Goals
- Society Goals
- Economic Goals



# 2. Why does the new initiative matter?

- The new WG will support UN Ocean Decade through
  - Identifying the most urgent issues and provide integrated solutions that will meet UN Decade Outcomes i.e., Clean, Healthy and Productive Oceans.
  - empowering local governments with ‘informed decision’ on small island development.



**Issues of small islands will be analyzed**



# 3. Duration of WG and Objectives

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- DURATION : Two years (May 2023 – May 2025)
- OBJECTIVES:
  - To provide a **gap analysis** of the impact of development activities on ecosystem services of small island
  - To provide synthesis report on the **status of small island ecosystems** and **research priorities needed** in the Western Pacific Region



# 4. Expected Outputs & Outcomes

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- OUTPUTS

- Establishment of SIRaD Forum in the Western Pacific Region
- Production of publication of **Best Practices** of research and development in local languages
- Creating potential and better alternative income for the locals based on new initiatives.

- OUTCOMES

- Empower the local authorities with “informed decision” on small island development
- Improve the livelihood/economy of the small islands with new activities



## 5. Tentative Member Identified so far....

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- i. Mr. Zainal Arifin (RC Oceanography, BRIN)
- ii. Ms. Aileen Tan (USM, Malaysia)
- iii. Mr. Hiroaki Saito (AORI, The Univ. of Tokyo, Japan)
- iv. Mr. Yucheng Deng (Island Research Centre, China)
- v. Mr. Youn-Ho Lee (KIOST, South Korea)
- vi. Mr. Wenxi Zhu (IOC UNESCO Westpac Office)
- vii. ....other potential members



# 6. Planned Activities 2023-2025

Working Group	Objectives	Activities	Expected outputs/outcomes	Date and Place	Funding required( US\$)	
					IOC	Other sources
Small island Research and Development (SIRaD WG)	1); to provide a gap analysis of the impact of development activities on ecosystems' services of small islands	1.1 Workshop #1 on development of research method on small island ecosystems	Report on the methodological study on small island ecosystems	July./Aug 2023; Jakarta, Indonesia	6.500	<b>National:</b> BRIN :12.500 (proposed under marine ranching proposal); <b>International:</b> UNESCO Jakarta: 18.000
		1.2. Analysis: The state of small island, its development activities and ecosystem conservation efforts	Report on the current state of small islands at each country:	Sept - Dec. 2023; Within each member states		

# .....Workplan



Working Group	Objectives	Activities	Expected outputs/outcomes	Date and Place	Funding required( US\$)	
					IOC	Other sources
Small island Research and Development WG (SIRaD WG)	2) to deliver a report on the status of small island development and conservation efforts, as well as on research needs	2.1. Workshop #2 on the Analysis of small island ecosystem, its resources and the social condition of the local communities.	Draft Report on the impacts of small island development on its ecosystem services.	Jan – Dec. 2024	7.500	<b>National:</b> BRIN (under prep proposal 10.500)  <b>International:</b> sought from KI MTCRC & JSPS & others
		2.2. Joint International Conference on Small Islands Development (hosted by IPB University)	Papers from each country of WG will be presented	July 2024, Lombok, Indonesia		
		2.3. Final report SIRaD	A report on the status of small island development and ecosystem conservation efforts.	April 2025		



# Thank You

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