

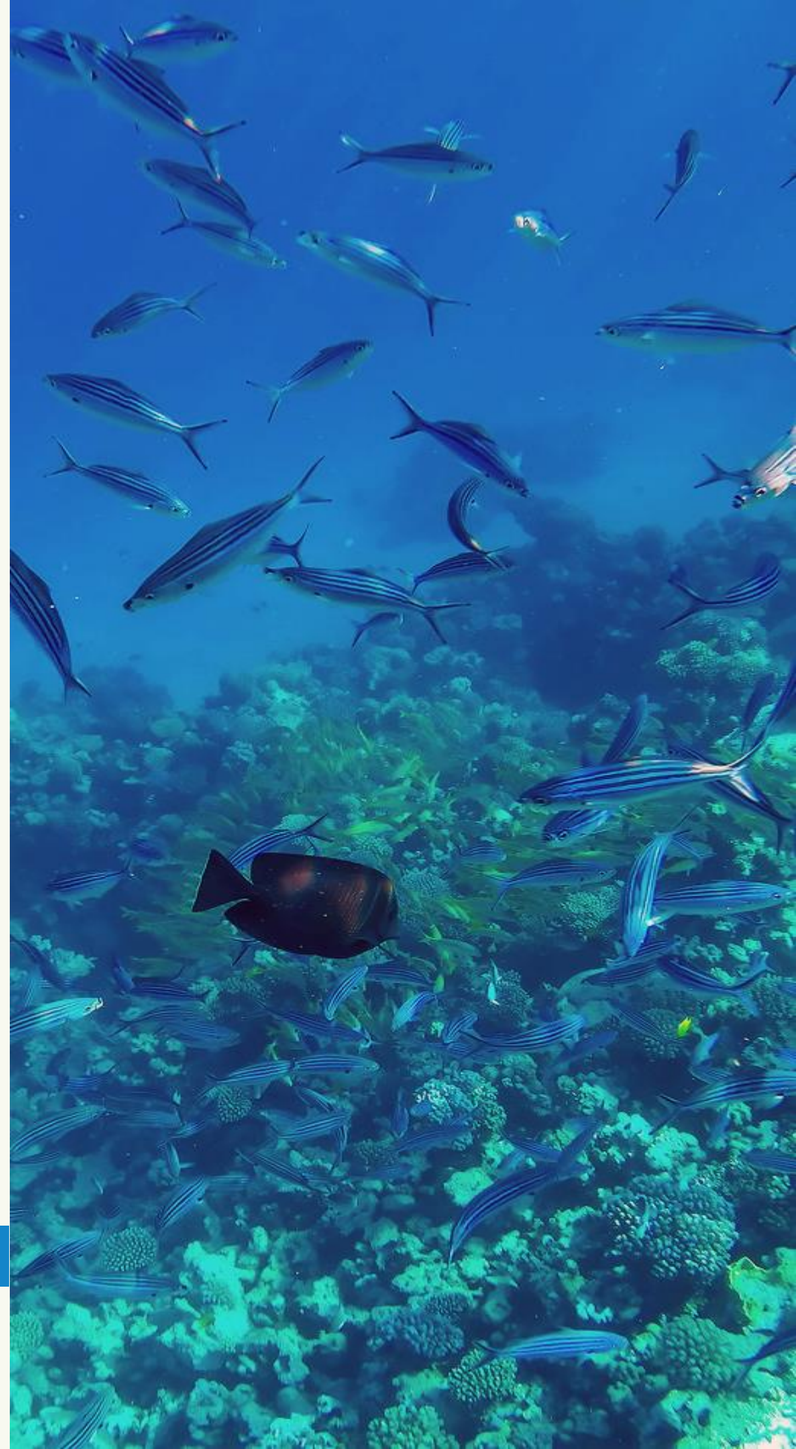
SIRaD WG: Progress and Its Future

Chair: Zainal Arifin (Indonesia, BRIN).
Aileen Tan/Sazlina (Malaysia, USM); Hiroaki Saito (Japan, U Tokyo); Hansan Park (Republic of Korea, KIOST); Yucheng Deng (China, Shanghai University).

Sixteenth Intergovernmental Session of the
IOC Sub-Commission for the Western Pacific (WESTPAC-XVI)
Hangzhou, China, 10-12 November 2026

Summary Outline

1. **Justification and WG duration**
2. SIRaD WG objectives
3. **Major activities and outputs (2025–2026)**
4. Anticipated activities and outputs in 2027
5. Biennial workplan and budget for 2028–2029 (IOC HLOs)
6. Strategic recommendations for future development



1. Justification and WG duration

Origin, relevance, challenges, and regional cooperation

01 SIRaD addresses freshwater security, coastal erosion, pollution, habitat loss, sea-level rise, and island livelihoods.

02 The Working Group was established during 14th session Intergovernmental Session of IOC WESTPAC-XIV in Jakarta in April 2023.

03 Regional cooperation began in 2021 through IOC Westpac seed-fund on Pari Island study;
The 1st Regional Workshop on SIRaD in 2023, 5 countries (China, Malaysia, Indonesia, Japan and South Korea) agreed to exchange knowledge and technology on SIRaD plan.
04 The 2nd Regional Workshop, we decided to have a Project sites on each member country.
SIRaD WG mission to link science, policy, and communities & industries as well as local governments for sustainable small-island development.
05. SIRaD WG duration will end in 2026 (4 years period), and wishes to become a Project.

2. SIRaD WG objectives

Multidisciplinary collaboration • community engagement • policy impact

01 Foster multidisciplinary research collaboration across small-island pilot sites.

02 Enhance community-engaged approaches, and shared benefits for local communities/islanders

03 Support evidence-based policymaking for sustainable small-island development, and resilience prosperities.

Regional SIRaD Network

Expanding collaboration, joint projects, and funding opportunities

2025 Second Workshop in Malang: wider network, including Institut Teknologi Indonesia, Brawijaya University, University of Mataram, and Koh Tao (Thailand); all WG members presented pilot-site progress.

Jan 2026 Expanded WESTPAC meeting in Pinang, Malaysia: Progress and Challenges of the WG were discussed.

Sep 2026 **KIOST/**MTCRC Joint Seminar and Research Training in Lombok, involving participants from Indonesia, the Philippines, and Singapore.

REGIONAL SIRaD WG

Regional and national networks

Pilot islands / communities

Research centers

KIOST • IRC • RCO

International universities

TU • USM • Shanghai University

Collaboration and financing

Joint projects • funding support

Regional SIRaD Sites

Pilot islands represent diverse ecosystems, economies, and climate pressures

Japan

Amami Islands

China

Pingtan Dao/Zhousan

Republic of Korea

Jeju Island

Thailand

Koh Tao

Malaysia

Langkawi

Indonesia

Gili Matra

Regional SIRaD Sites | comparative profiles (1/2)

Indicative 2023 figures transcribed from the original slide; verification advised

AMAMI ISLANDS · Japan

1,250 km² • approx. 100,000 • 8 inhabited islands

World Natural Heritage (Amami Oshima and Tokunoshima, 2021); Amami Gunto National Park; tourism and sugar cane.

GILI KETAPANG · Indonesia

68 ha (approx. 0.7 km²) • approx. 7,600

Local tourism destination and fishing community.

GILI MATRA / LOMBOK · Indonesia

Original source: 4,608 km² • approx. 3,963,842

Global tourism, aquaculture and fishing; local government, KKP, and Ministry of Tourism. Original figures appear to refer to Lombok; check unit of analysis.

Regional SIRaD Sites | comparative profiles (2/2)

Indicative reference characteristics in the original draft

JEJU · Republic of Korea — **1,833 km² • approx. 700,000**

Global tourism; World Natural Heritage and UNESCO Global Geopark.

LANGKAWI · Malaysia — **469 km² • approx. 99,000**

Global tourism; Langkawi Development Authority.

PINGTAN DAO · China — **371 km² • approx. 381,000**

Tourism; cultural heritage; marine economy; offshore wind; pharmaceuticals; shipping route.

Koh Tao (Thailand) is listed as a pilot site;

3. Major activities and outputs

Activities and outputs in 2025–2026

2025 · Malang — **Second SIRaD Workshop, East Java (Malang), Indonesia**

Expanded the partner network; WG members shared the status of regional pilot islands.

2026 · Lombok — **KIOST/MTCRC Regional Training and Joint Seminar, Lombok, Indonesia**

Participants: Indonesia, the Philippines, and Singapore. Training: coral-reef transplantation in coastal Lombok. Seminar: sustainable marine ecosystems and blue-food security.

7–8 Nov 2026 · Zhoushan — **Sister event: 1st International Conference on Global Islands (IFI)**

Zhoushan, Zhejiang

16–20 Nov 2026 · Jakarta — **International Training on Coastal Water Quality Assessment and Environmental Monitoring for Small Island Sustainability**

Participants: Indonesia, Malaysia, the Philippines, Timor-Leste, total 20

2025: Second SIRaD Workshop in Malang, East Java—regional networking and presentation of island pilot-site progress (*IOC Westpac Website*).







2026 (left–right): opening seminar; guest speakers; and ECOPs from Philippines, Singapore & Indonesia

4. Anticipated activities and outputs in 2027

Proposed programme directions — subject to partner confirmation

01 Joint research on small-island governance toolkits involving China, Indonesia, Malaysia, and Myanmar.

02 Co-design an IPPK-aligned living-lab baseline combining biodiversity and climate resilience, livelihoods, basic services & governance

03 Integrate partner methods: Indonesian IPPK(social–ecological analysis); Chinese island-governance tools; Jeju-based marine ecology and ocean remote sensing; Amami: Social-Ecological-Environmental Systems in Amami with citizen science

04. Proposed deliverables: scoping protocol, pilot-site shortlist, monitoring indicators, and a joint project/co-financing concept.

05. Establish 'SIRaD Centre' in Lombok Island (BRIN, Univ Mataram & Provincial Government).



5. Strategic recommendations

Strengthen the impact, visibility, and policy use of SIRaD

01. Establish intersessional mechanism to consolidate SIRaD scientific contributions

02 Support sustainable blue-food security.

03 Improve small-island livelihoods, building on the 2025 workshop and 2026 expanded WESTPAC meeting.

04 Design living laboratories to support Member States in applying scientific knowledge for climate-resilient and sustainable small island development

05 Prepare a SIRaD joint-project design through co-design, co-development, and co-funding.



Thank you

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