

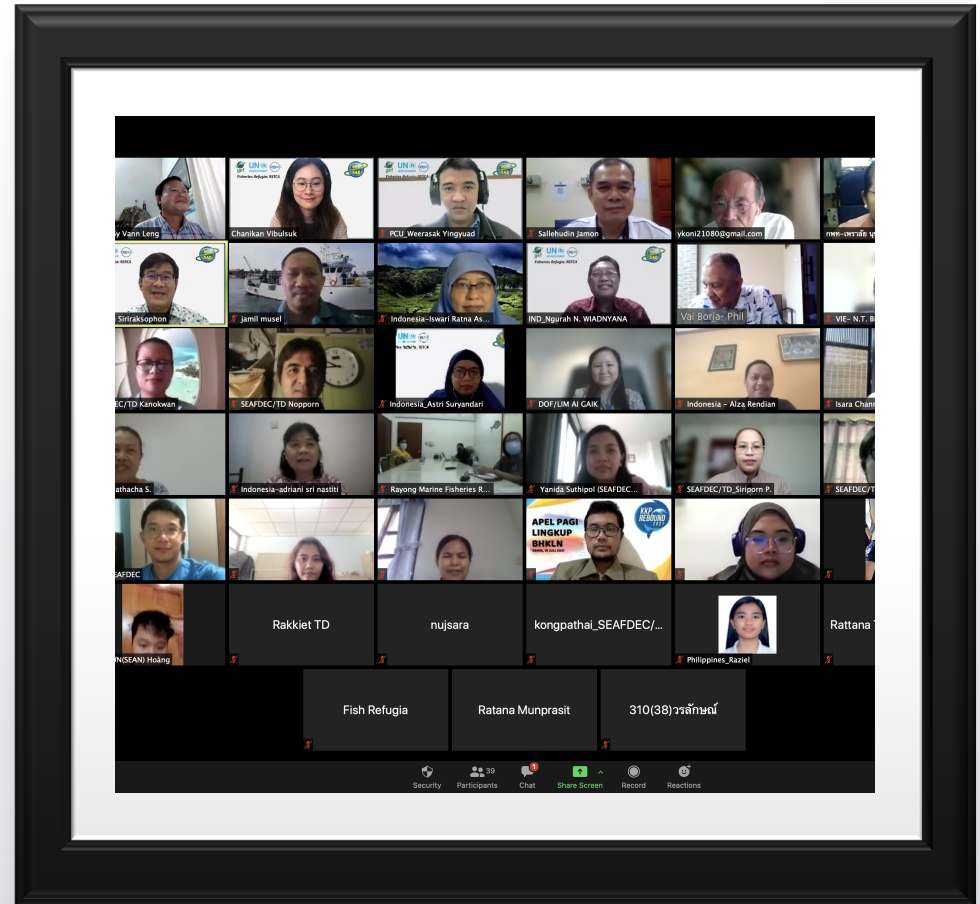


REPORT OF THE CHAIRPERSON OF THE FOURTH REGIONAL SCIENTIFIC AND TECHNICAL COMMITTEE MEETING

Presented by : Prof. Dr. Ngurah Wiadnyana

INTRODUCTION

- SEAFDEC/PCU organized RSTC4 via Zoom on 22 July 2021.
- Main Objective of RTSC4 is
 - to harness the national scientific and technical expertise and knowledge required to inform the policy, legal and institutional reforms for fisheries refugia management
- A total of 43 participants, including
 - National Scientific and Technical Focal Points from 6 participating countries,
 - regional experts, scientists from national institutions, and
 - SEAFDEC/Training Department.



1. Project Achievements

from 2020 to 30 June 2021

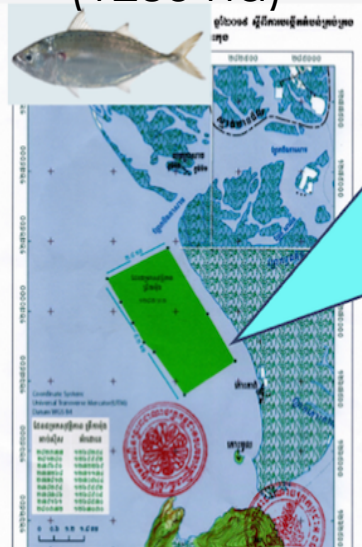
A total of 73 activities were conducted by six countries

Activities	CAM	ID	MY	PH	TH	VN	Total	Total %
Baseline/Field Surveys and Analysis	11	2	3	4	3	3	26	36
Stakeholder Consultation	7	4	1	3	2		17	23
Committee Meetings	4	3	3	2	4		16	22
Monitoring, enforcement	2						2	3
Fisheries Refugia Profile	3			1	2		6	8
Capacity, Awareness Building	3	1		1	1		6	8
Total	30	10	7	11	12	3	73	100

Table 1: List of Activities by countries from 2020 to 30 June 2021

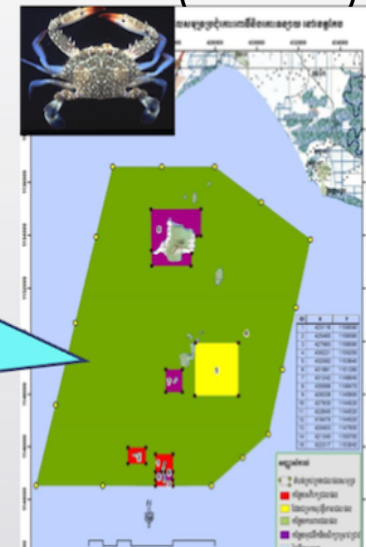
Two Fisheries Refugia were adopted in Cambodia:

1) Short Mackerel FR in Koh Kong (1283 ha)



Marine Habitat linkage	
Type (coral, seagrass, mangrove)	Estimated Size (ha)
- Coral reef, - Sea grass - Mangrove	Coral reef = 602ha Sea grass= 3993ha Mangrove= 62000ha

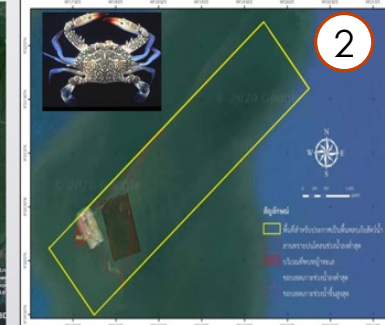
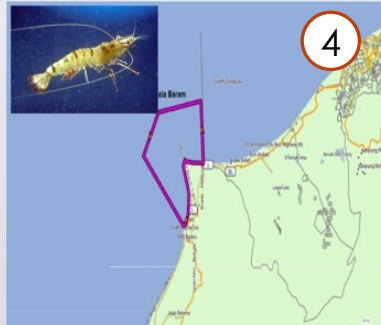
2) Blue Swimming Crab FR in Kep (417 ha)



Marine Habitat linkage	
Type (coral, seagrass, mangrove)	Estimated Size (ha)
- Coral reef, - Sea grass - Mangrove	Coral reef = 52ha Sea grass= 2790ha Mangrove= 1005ha

Five Fisheries Refugia are in the adoption process

- 1) In Trat, Thailand for Short Mackerel
- 2) In Surat Thani, Thailand for Blue Swimming Crab
- 3) In Tanjung Lemau, Malaysia for Spiny Lobster
- 4) In Miri, Malaysia for Tiger Prawn
- 5) In Kampot, Cambodia for Juvenile Grouper



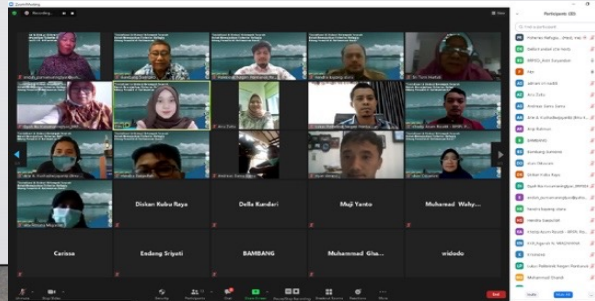
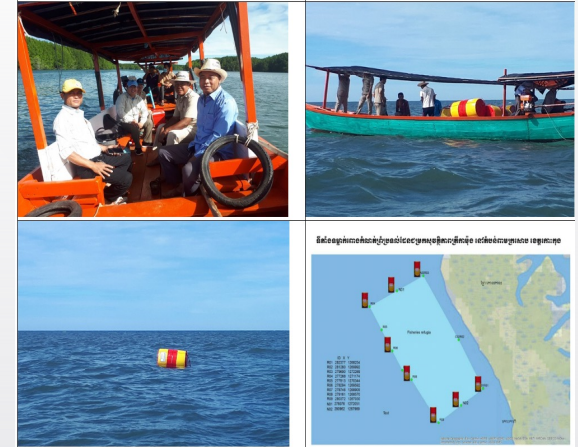
Country	Name/Location/Province	Target Species	Status		Estimated Refugia Size (Hectares)	Marine Habitat linkage		Refugia Profile (done, yet)
			Adopted	In process (expected date)		Type (coral, seagrass, mangrove)	Estimated Size (ha)	
Malaysia	Site 1: Tanjung Leman, East Johor, Malaysia	Spiny Lobster (<i>Panulirus polyphagus</i>)		2022	140,023 ha	Coral, seagrass	Johor Marine Park: 76,565 ha Seagrass: 706 ha	Done
	Site 2: Kuala Baram, Miri, Sarawak, Malaysia	Tiger Prawn (<i>Penaeus monodon</i>)		2022	85200	Coral, mangrove	Miri-Sibuti Coral reefs National Park-186,930 ha	Done
Thailand	Site 1: Trat	Short mackerel	✓		154,600 ha	coral, mangrove, seagrass	coral = 2,841 ha mangrove = 9,553 ha seagrass = 1,016 ha Total = 13,410 ha	Done
	Site 2: Surat Thani	Blue swimming crab	✓		900 ha	mangrove, seagrass	mangrove = 2.94 ha seagrass = 8.13 ha Total = 11.07 ha	Done
Cambodia	Marine Fisheries Management Area including Fisheries Refugia at Trapeang Ropaov, Kampot province	Grouper (<i>Epinephelus coioides</i>)		2021	N/A	- Coral reef, - Sea grass Mangrove	Coral reef = 953ha Seagrass= 25000ha Mangrove= 1900ha	Done

Revision of fisheries law, regulation, fisheries management plan, Strategic plan

- Cambodia adopted the 5-year Action Plan for Marine Fisheries Management Area, including management measures in KEP Province.
- Cambodia adopted the Strategic Plan for Fisheries Conservation and Management 2020 – 2029 (includes FMA: Fisheries Management Area/FR).
- Cambodia revised Fisheries Law by including Fisheries *Refugia* concept in the law.
- Indonesia consulted with Interagency (Directorate General (DG) of Marine Spatial Management) to include Fisheries Refugia in the MPA regulation of the Ministry of Marine Affairs and Fisheries (MMAF).
- Thailand reformed the law, regulation, and management of Fisheries *Refugia*.
- Malaysia evaluates and identifies management measures based on scientific findings.
- Viet Nam reviews and assesses legal basis and policy for the establishment of Fisheries Refugia.
- Philippines reviews existing fisheries management measure in the area of the 3 project sit.

Stakeholder Consultations (1/2)

- Cambodia conducted four consultations and three field surveys to finalize the Marine Fisheries Management Area map of the Juvenile Grouper Refugia in Kampot province.
- Philippines conducted Stakeholder consultations in three priority Refugia sites; a total of 413 persons attended.
- Consultative Meeting for establishing fisheries refugia of Penaeid shrimp in West Kalimantan, Indonesia, a total of 43 persons attended the meeting



Stakeholder Consultations (2/2)

- Thailand conducted Stakeholder Consultations to finalize the fisheries refugia boundary areas:
 - At Trat for short mackerel: five meetings in 5 districts. A total of 400 stakeholders engaged in the discussion
 - At Surat-Thani for blue swimming crab: covering 7 Districts where 497 stakeholders engaged in the discussion



Voting for the proposed Refugia boundary area in Trat, Thailand (July 15, 2020)

1.6) Fisheries Refugia Profiles (uploaded online in August 2021)

- Profile for Short Mackerel in Trat, Thailand [\(<http://hdl.handle.net/20.500.12067/1699>\)](http://hdl.handle.net/20.500.12067/1699)
- Profile for Short Mackerel in Koh Kong, Cambodia [\(<http://hdl.handle.net/20.500.12067/1722>\)](http://hdl.handle.net/20.500.12067/1722)
- Profile for BSC in Surat Thani, Thailand
- Profile for BSC in Kep, Cambodia
- Profile for Grouper in Kampot, Cambodia
- Profiles for the Philippines: three priority sites



1.7 Regional Programs:

- 1) The Third Regional Scientific and Technical Committee Meeting (RSTC3) was held on February 5th-7th, 2020, in Hai Phong, Viet Nam.
- 2) The Third Project Steering Committee Ad-hoc Meeting (PSC3-Adhoc) was held online on June 16th, 2020,
- 3) The Fourth Project Steering Committee Ad-hoc Meeting was also held online on October 6th, 2020
- 4) Information and Knowledge dissemination
- 5) Refugia Website updated

more Information, please visit Fisheries Refugia Websites: <https://fisheries-refugia.org>.



2. Other Matters

2.1) Contents of the Regional Guidelines on Indicators of Sustainable Management of Fisheries *Refugia*

The Committee took note of the proposed contents of the Regional Guidelines on Indicators for Sustainable Fisheries Refugia Management to be drafted by PCU. The PCU expected to complete the 1st draft of Indicators Guidelines by the end of 2021 for RSTC's consideration before submitting to PSC for endorsement.

2.2) Regional Action Plan for Management of Transboundary Species, Indo-Pacific Mackerel (*Rastrelliger Brachysoma*) In the GoT Sub-Region

The committee took note that the RAP-Mackerel was adopted by SEAFDEC Council Director in May 2020. The RAP-Mackerel was later endorsed at the Fisheries Consultative Group of the ASEAN-SEAFDEC Strategic Partnership (FCG/ASSP) in November 2020 and further consideration by the ASEAN Sectoral Working Group on Fisheries (ASWGFi) in mid of 2021 and further support by the 42nd Senior Officials Meeting of the ASEAN Ministers on Agriculture and Forestry (SOM-42nd AMAF) in August 2021.

2.3) Regional Training/Workshop for Identification of Fish Larvae and Expected Outputs

PCU informed the committee about the impacts of the Covid-19 pandemic, which have resulted in travel restriction since 2020 until now. Due to this, the PCU cannot organize the Regional Training. The PCU proposed to spend this allocated budget for other activities such as developing the Identification Guidebook based on the existing data in the region. However, a lack of knowledge and expertise for larval identification is a critical requirement by countries. The committee, therefore, suggested maintaining the Regional training/workshop for 2022 but no later than November 2022. This is because the Regional Training Program is an independent activity on knowledge transferring, not relates to any policy matter. Regarding this, the maximum of participants in this training workshop would be 15 persons suggested by Trainer. The budget for this activity will be revised, if it is necessary. This will be considered by both RSTC and PSC later.

2.4) Mid-Term Reviews

PCU informed the meeting that the PCU received comments and suggestions from SEAFDEC and UNEP Task Manager on the 1st draft Terms of Reference (ToR) of the Mid-Term Review in mid-July 2021. The Mid-term Review consultant will be selected and recruited by SEAFDEC together with UNEP task manager and project director support. Countries are welcomed to share the TOR with national and regional experts to apply for this job. This matter will be raised again at the PCS5 for consideration.

REQUIRED ACTION BY THE PROJECT STEERING COMMITTEE

- The committee is welcomed to provide comments on the issues discussed at the RSTC4 and advise PCU on specific topics in the NEXT RSTC MEETING.
- The Committee is also requested to adopt the report of the RSTC4;

*Thank You
For Your Attention*

