



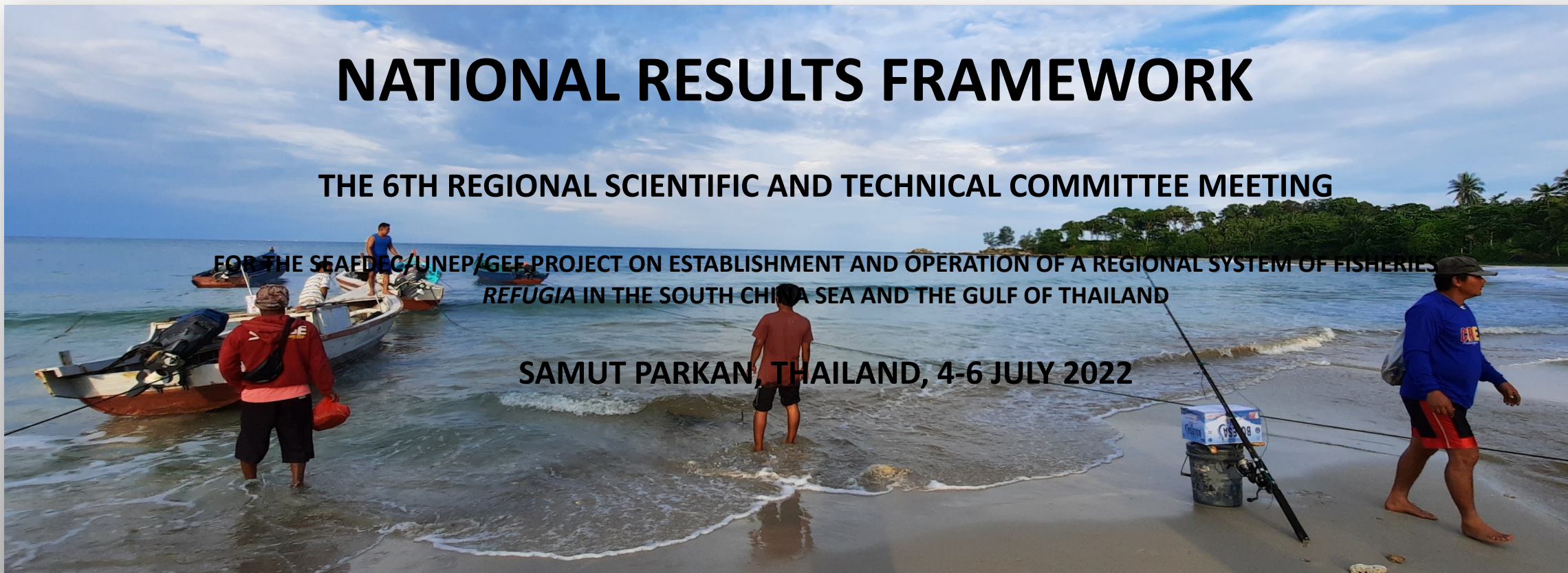
# INDONESIA

## NATIONAL RESULTS FRAMEWORK

THE 6TH REGIONAL SCIENTIFIC AND TECHNICAL COMMITTEE MEETING

FOR THE SEAFDEC/UNEP/GEF PROJECT ON ESTABLISHMENT AND OPERATION OF A REGIONAL SYSTEM OF FISHERIES  
REFUGIA IN THE SOUTH CHINA SEA AND THE GULF OF THAILAND

SAMUT PARKAN, THAILAND, 4-6 JULY 2022

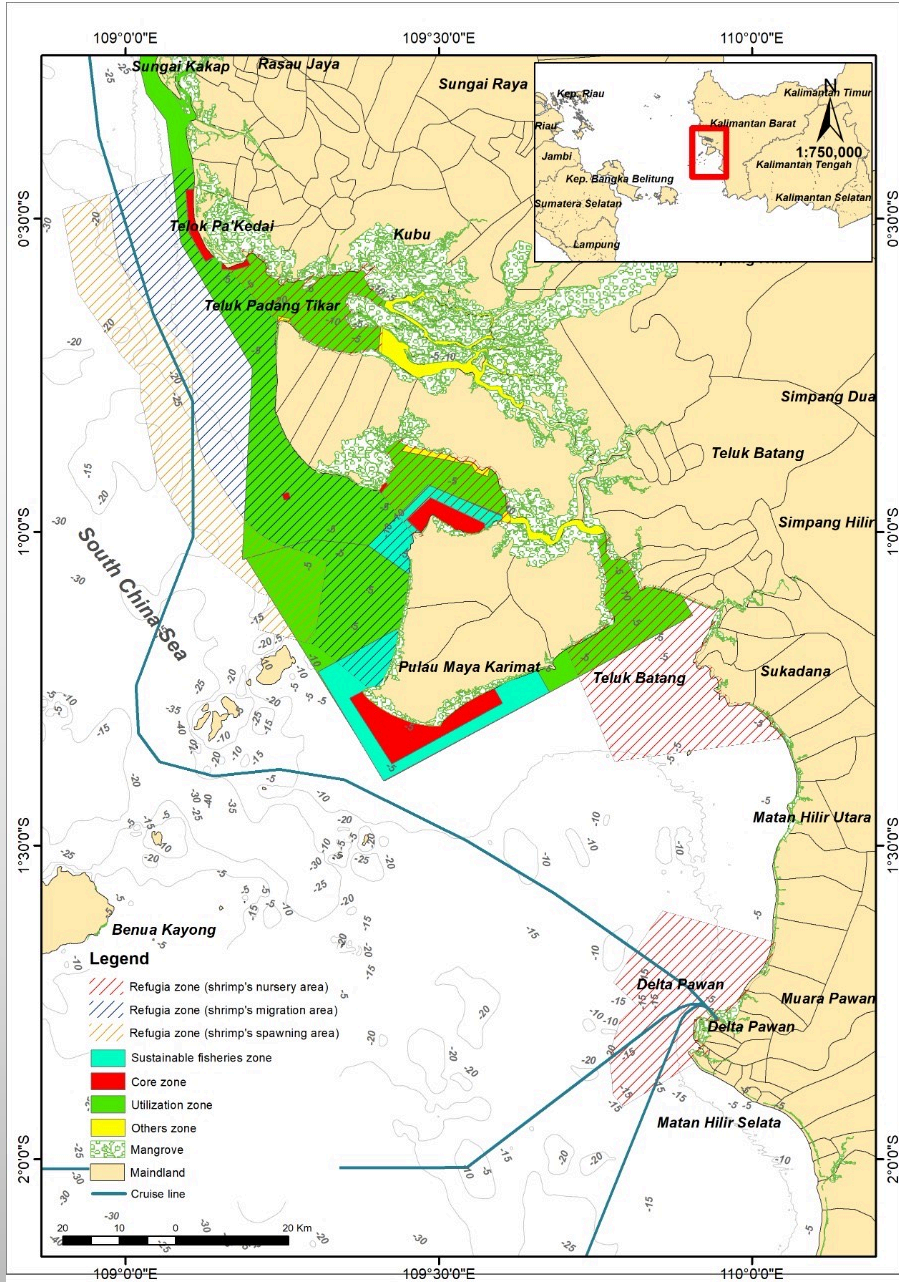


Objective/ Targets	Outcomes	Results	Code	Expected Outputs	Indonesia
					(2 Sites)
1) Effective management of key threats to 14 fisheries refugia sites [269,500 ha], including ~50 percent reduction in threats to fisheries fishing pressure within sites at times critical to the life-cycles of fished species of transboundary significance	Reduced stress on fish stocks and coastal habitats via improved national management of key anthropogenic threats to fisheries and critical habitat linkages	It is expected that by end of 2022, the effective management of 14 fisheries refugia about 660,236 ha, including effective management measures on reducing >50% fishing presusure that impact to refugia identified by stakeholders.	A01	Fisheries refugia profile reports, including GIS maps & site characterisations, published	West Kalimantan & Bangka Belitung (completed)
			A02	Published management plans (Link to B02)	On process to be approved by Directorate General , Governemnet Province
			A03	Quarterly/Annual Technical reports of network meetings and activities (Number of reports)	39

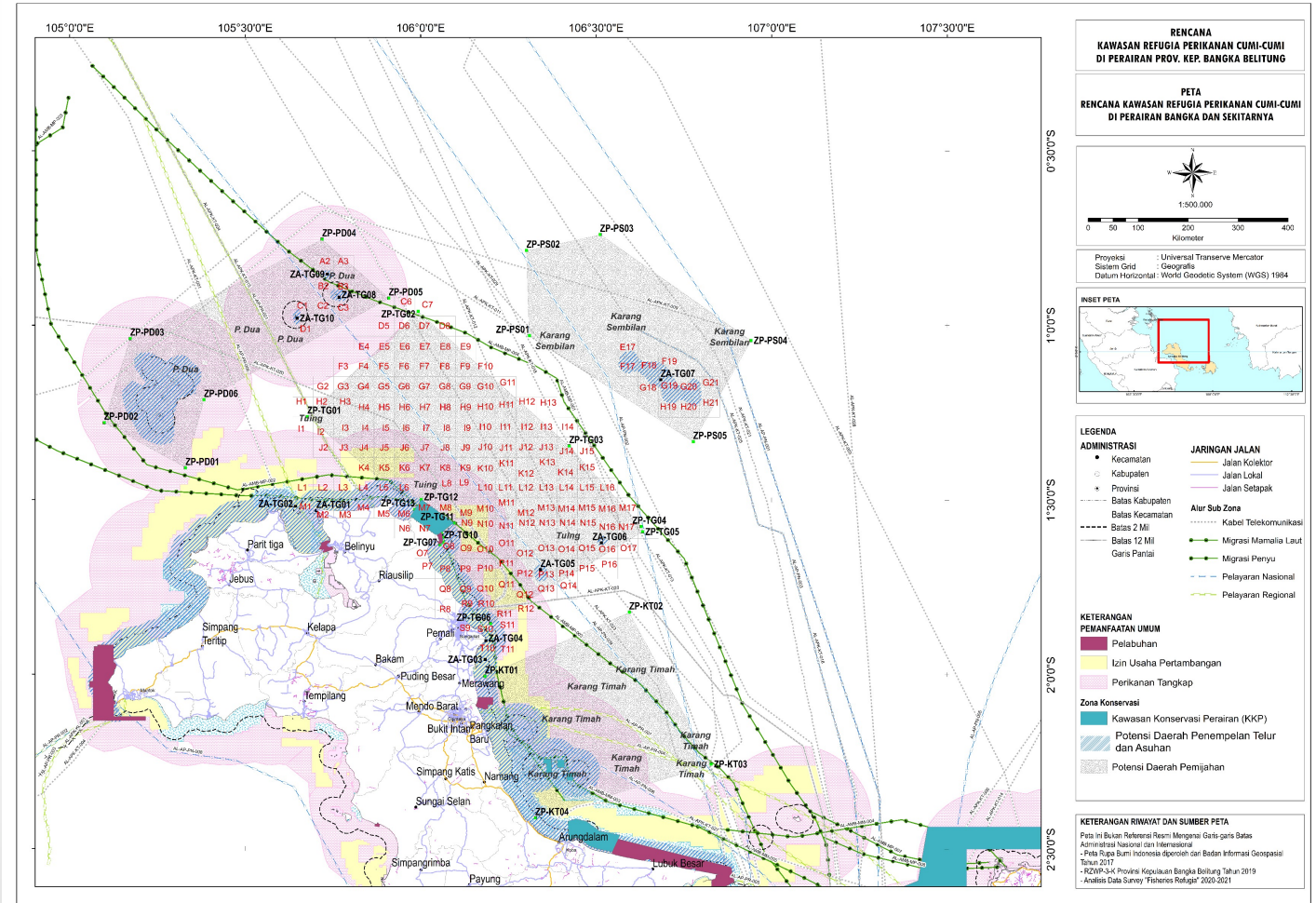
## A01. Fisheries Refugia Profile

Name/Location/Province	Target Species	Estimated Refugia size (Hectares)	Marine Habitat Linkage
Kubu Raya (Padang Tikar), Ketapang (Delta Pawan) and North Kayong (Dusun Besar)/West Kalimantan	Penaeid shrimp ( <i>Penaeus merguensis</i> )	414,807 ha	Mangrove
Bangka Regency/Tuing Village	Squid ( <i>Uroteuthis chinensis</i> )	468,828.32	Coral reef, sea grass

# West Kalimantan Province



# Bangka Belitung Province



**OBJECTIVE :1) EFFECTIVE MANAGEMENT OF KEY THREATS TO 14 FISHERIES REFUGIA SITES [269,500 HA], INCLUDING ~50 PERCENT REDUCTION IN FISHING PRESSURE WITHIN SITES AT TIMES CRITICAL TO THE LIFE-CYCLES OF FISHED SPECIES OF TRANSBOUNDARY SIGNIFICANCE**

**A02. PUBLISHED MANAGEMENT PLANS**

On Process To Be Approved By Directorate General & Government Province

The fisheries refugia team under the Agency Of Research And Human Resources is responsible until the stage of producing policy paper which contain recommendation for developing fisheries refugia management plan. Furthermore, this policy paper will be basis for develop a management plan especially for shrimp and squid in FMA 711. The related agency in this stage will be as follow:

- Directorate General Of Marine Spatial Planning (Directorate Of Marine Spatial Planning) Related To The Use Of Marine Space For Particular Purposes.
- Directorate General Of Capture Fisheries (Directorate Fish Resource Management) Related To The Management Of Fish Resources And Regulation Of Fishing.
- The Government Of West Kalimantan Province & Bangka Belitung Province As The Authority For The Management Of Areas And The Management Of Fish Resources Under The Authority Of The Local Government.

Objective/ Targets	Outcomes	Results	Code	Expected Outputs	Indonesia (2 Sites)
2) National and regional policy, legal and planning frameworks for demarcating boundaries and managing fisheries refugia, resulting in, inter alia, a 20 percent increase in small-scale fishing vessels using fishing gear and practices designed to safeguard fish stock and critical habitat linkages at priority sites	Increased institutional capacity in the 6 participating countries for the designation and operational management of fisheries refugia via the transformation of enabling environments and the generation of knowledge for planning	National policy, legal and planning framework are being achieved, three of six countries completed, while the other three are in process for adoption by government. The effective management of fisheries refugia are not focused only increasing of small-scale fishing vessels that must use to the best practices fishing gears, but covering the medium and large scale fishing vessels that are >50% prohibited to operate in the refugia areas. The demarcating boundaries refugia site are identified with the critical habitat linkages to ensure that the refugia designed to safeguard fish stock and critical habitat linkages. The Regional Action Plan for management of fisheries refugia was adopted by six participating countries and scale-up covering the Southeast Asian Regiona under the ASEAN policy framework.	B01	Published national reviews and recommendations for reforms of national regulations/ordinances	on progress ; target : published during the third quarter
			B02	Endorsed revised policies, Strategic Management Plan, Fisheries Master Plan	On procces; Regulation of the Minister of Marine Affairs and Fisheries of the Republic of Indonesia No. 59 of 2020, concerning fishing lanes and fishing gear
			B03	Published national guidelines on establishing and operating fisheries refugia	On process
			B04	National reports on policy, legal and institutional aspects of refugia establishment and management published	On process to develop draft regulation

**OBJECTIVE 2) NATIONAL AND REGIONAL POLICY, LEGAL AND PLANNING FRAMEWORKS FOR DEMARCATING BOUNDARIES AND MANAGING FISHERIES REFUGIA, RESULTING IN, INTER ALIA, A 20 PERCENT INCREASE IN SMALL-SCALE FISHING VESSELS USING FISHING GEAR AND PRACTICES DESIGNED**

**B01. Published national reviews and recommendations for reforms of national regulations/ordinances.**

- The national review and recommendations for reform of national regulations/regulations are still in progress and will be published during the third quarter of 2022.

**B02. Endorsed revised policies, strategic management plan, fisheries master plan,**

- Revision of management regulations and policies at the national level (revised regulation of FMA 711)
- Recommendation for the revision of regional regulations regarding the zoning plan for coastal areas and small islands in both West Kalimantan and Bangka Belitung province
- The Quota-based Fishing Policy. Currently, Indonesia has formulated the Draft Regulation of The Quota Based Fishing Policy, which divide the FMA into some zones (commercial/industries fishing zones, local fishers, non commercial, and spawning and nursering zones). This policy is inline Fisheries Refugia concept that helps the rehabilitation of aquatic resources and critical habitat in certain area, in this stage we initiate to implement in FMA 711 for Squid and Shrimp. We are finalizing the draft of regulation regarding the quota-based fishing policy and we do hope will be endorsed within this year. Once it is endorsed, the policy will be applied in all Indonesia FMA. In this matter, the is Fisheries refugia concept in might be adopted in all Indonesian FMA. Each FMA will be managed be the FMA Management Institutions that has been stipulated in 2021.

# National Guidelines of Fisheries Refugia Outlines

## B03. Published National Guidelines On Establishing And Operating Fisheries Refugia

The preparation of a National guideline on establishing and operating fisheries refugia has been carried out and is in the process of being approved by an authorized institution at the directorate general level.

## B04. National reports on policy, legal and institutional aspects of refugia establishment and management.

After developing a policy brief the next stage is to develop the draft of the regulation. In the stages, the multi-stakeholder discussion will required longer to compile the substances/material regarding fisheries refugia establishment management into legal text.

THE OUTLINES
FOREWORD HEAD OF THE AGENCY
CHAPTER 1. INTRODUCTION
A. Background
B. Purpose and Purpose
C. Scope
D. General understanding
CHAPTER 2 CAPTURE FISHERIES IN INDONESIA
A. Status of fish resources
A. Status of marine space fish resources
A. Fish resource habitat
A. Socio-Economic Condition
A. Governance and Institutions
CHAPTER 3. FISHERIES REFUGIA
A. Definition of Fisheries Refugia
A. Differences between Fisheries Refugia and Marine Protected Area
A. Fisheries Refugia in fisheries management
CHAPTER 4. DEVELOPMENT STAGES OF FISHERIES REFUGIA
A. Formation of the team
A. Determination of targeted species
A. Ecological studies of targeted species
A. Identification of potential fisheries refugia area
A. The suitability of the Fisheries Refugia area recommendation with the zoning plan and spatial plan
A. Preparation of Fisheries Refugia Management Plan (FRMP) and Institutional strengthening
A. Agreement with stakeholders: coordination and consultation with stakeholders
A. Implementation of Fisheries Refugia Management
A. Monitoring and evaluation
CHAPTER 5. CASE STUDY OF FISHERIES REFUGIA IN PROV. KALBAR AND BABEL
CHAPTER 6. CLOSING



**Objective :2) National and regional policy, legal and planning frameworks for demarcating boundaries and managing fisheries refugia, resulting in, inter alia, a 20 percent increase in small-scale fishing vessels using fishing gear and practices designed**

**B05. Endorsed policy and executive orders, provincial/local ordinances, and by-laws (proclamation, provincial orders for each site).**

As reflected in point A02, the process of endorsing policy and regulation in national, as well as provincial and local level will require longer process and steps. However, the fisheries refugia team has completed policy paper as basis to develop national, and local/provincial policies and regulations.

**B06. Endorsed national action plan for the management of priority fisheries refugia and associated biodiversity.**

The national action plan is a part of the fisheries refugia management plan itself. As reflected also in point A02, the process of endorsing policy and regulation in national, as well as provincial and local level will require longer process and steps. Once the FR management plan is endorsed, subsequently the national action plan will be endorsed as well.

**B07. Databases online and populated with datasets included fish stock**

We have already identified the basis data containing ecology, biology, eco-soc, from the FR research. In this stage, we still need more time to analyze and conduct data processing until its ready to be uploaded to the website.

Objective/ Targets	Outcomes	Results	Code	Expected Outputs	Indonesia  (2 Sites)
<p>2) National and regional policy, legal and planning frameworks for demarcating boundaries and managing fisheries refugia, resulting in, inter alia, a 20 percent increase in small-scale fishing vessels using fishing gear and practices designed to safeguard fish stock and critical habitat linkages at priority sites</p>	<p>Increased institutional capacity in the 6 participating countries for the designation and operational management of fisheries refugia via the transformation of enabling environments and the generation of knowledge for planning</p>	<p>National policy, legal and planning framework are being achieved, three of six countries completed, while the other three are in process for adoption by government. The effective management of fisheries refugia are not focused only increasing of small-scale fishing vessels that must use to the best practices fishing gears, but covering the medium and large scale fishing vessels that are &gt;50% prohibited to operate in the refugia areas. The demercating boundaries refugia site are identified with the critical habitat linkages to ensure that the refugia designed to safeguard fish stock and critical habitat linkages. The Regional Action Plan for manangement of fisheries refugia was adopted by six participatinng countries and scale-up covering the Southeast Asian Regiona under the ASEAN policy framework.</p>	B05	<p>Endorsed policy and executive orders, provincial/local ordinances and by-laws (proclamation, Provincial Orders for each site)</p>	
			B06	<p>Endorsed National Action Plan for the management of priority fisheries refugia and associated biodiversity</p>	
			B07	<p>Databases online and populated with datasets included fish stock</p>	

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			B09	National and Regional Geographical Information System online	Being developed
			B10	Characterisations for 14 refugia sites accessible online	The data has been completed and on the proces to be published online ( during third quarter)
			B11	Modelling system online	
			B12	Best practice fishing methods and practices to address key threats to fish stock and critical habitat linkages	there is already an environmentally friendly fishing method regulated in a ministerial regulation.

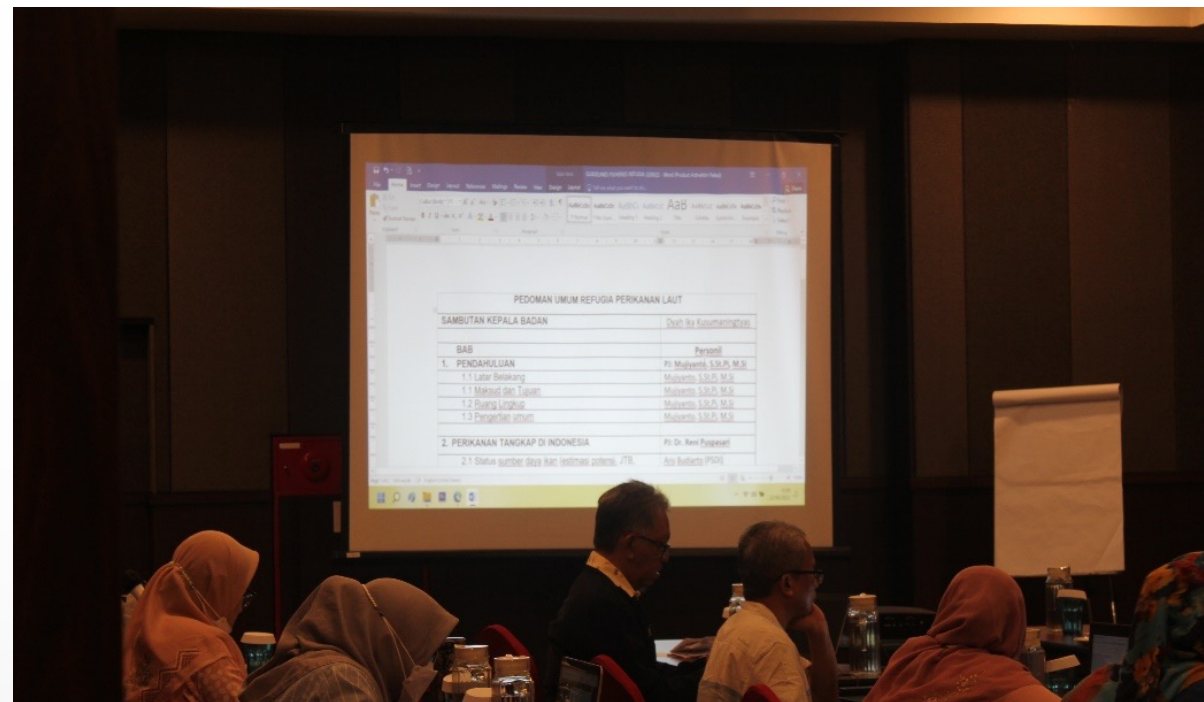
Objective/ targets	Outcomes	Results	Code	Expected Outputs	(2 Sites)
<p>3) National and regional systems for knowledge management and sharing, including the development of indicator sets and standardized statistics to guide the replication, scaling-up and mainstreaming of good practices in the use of fisheries refugia as a spatial planning tool</p>	<p>Strengthened knowledge management and information sharing and access for enhanced uptake of good practice in integrating fisheries management and biodiversity conservation in the design and implementation of fisheries and environmental management systems, including Marine Spatial Planning</p>	<p>Six countries are in process for enhancing the national systems for knowledge management and sharing. Five Refugia Information Centres have been established in Malaysia and Philippines. Three national webportal are onlined, while other countries are underways. The Regional website and Repository system are developed linking to the SEAFDEC network system. Regional Guidelines on Indicators is drafted for adoption by Project Steering Committee.</p>	C01	<p>Best practice approaches and measures for integrated fisheries and habitat management</p>	<p>being prepared for publised</p>
			C02	<p>Public awareness and Outreach programmes including tracking of extent of community acceptance</p>	
			C03	<p>Education and awareness centre on fisheries and criticle habitat established</p>	<p>Being prepared</p>
			C04	<p>Regional agreement/guidelines on indicators for managed refugia (including standardized data collection)</p>	
			C05	<p>Online national web portals on fisheries refugia</p>	<p>Created/onlined</p>

Objective/ Targets	Outcomes	Results	Code	Expected Outputs	Indonesia (2 Sites)
4) Effective multi-lateral and intergovernmental communication and joint decision-making, including the use of a consensual knowledge-base in planning ecologically and cost-effective management actions	Cost-effective and efficient coordination of national and regional level cooperation for integrated fisheries and environmental management	National and regional cooperation and coordination for integrated fish stock and critical habitat management in the South China Sea and Gulf of Thailand	D01	NFRC Terms of Reference and reports	Need updated
			D02	NSTC Terms of Reference and reports	Need updated
			D03	Management Board Terms of Reference and Reports	Need updated

# Dokumentasi/Foto2











*Thank you*

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