

National Report As of 31 December 2021 (for RSTC5)

PART 1: Status and Progress of Project Implementation As of 31 December 2021

Indicators	Name/Location/Province	Target Species	Status (adopted/In process)		Estimated Refugia Size (Hectares)	Marine Habitat linkage		Refugia boundary Area
			Adopted	Ongoing (expected date)		Type	Size (ha)	
<i>Fisheries Refugia Adoption</i>	Site 1: West Kalimantan	Penaeid shrimp (P.merguensis; P.indicus)		√	275,400	Mangrove	45,087	See Annex 1
	Site 2:	Squid (Uroteuthis chinensis)		√		Coral reef		See Annex 2
	Site 3:							See Annex 3
<p><i>If not yet achievement, give a reason and strategic workplan including expected date for completion:</i></p> <ul style="list-style-type: none"> • Data collection of ecology, economy, and social aspects for establishing Fisheries Refugia in West Kalimantan and Bangka has been completed at the end of 2021. The draft policy recommendations of the fisheries refugia management plan in West Kalimantan have been completed and will be discussed and agreed upon by all stakeholders for further approval and adoption. • The study and research for identifying the critical habitat of Penaeid shrimp have been conducted in West Kalimantan since 2015. The critical habitat of shrimp juvenile in Kubu Raya and Kayong Utara has been proposed as a protected area and designated as a part of the conservation area with total coverage of 115,723.63 Ha in 2020 (Decree of the Minister of Marine Affairs and Fisheries No.89/2020). The Fisheries Refugia Project strengthens the previous result (2015) dan also provides recommendations to include the spawning habitat of penaeid shrimp as a part of the protected areas in Kubu Raya and Kayong. The fisheries management with fisheries refugia approach could be applied in the utilization zone and sustainable fisheries zone of the marine conservation area. • Data collection activities in Babel are still being carried out until 2021, including assessment of perception to stakeholders including the Fisheries Agency of Bangka Belitung Province, Local government, PT. Timah, University, and the local community. The policy recommendation of the fisheries refugia management plan in Bangka is being prepared. <p><i>Willingness of fisheries and environment sectors to agree on Establishment of Fisheries Refugia:</i></p> <p>Based on observations and previous assessments, the fisheries sector, including fishing communities and other stakeholders, supports the establishment of fisheries refugia in West Kalimantan and Bangka Belitung.</p>								

Indicators	Site	List of the key community/stakeholder	Issues/problems	Agreed Management Measures
		<i>(Describe if different from 2020 report)</i>		
<i>Community/stakeholder engagement in establishing of Fisheries Refugia and implementation of agreed management measures</i>	• refugias 1	<ul style="list-style-type: none"> Local fishing community in West Kalimantan Fishery product collector, trader, and exporter Fishery Agency of West Kalimantan Province Fishery Agency of Kubu Raya District Fishery Agency of Kayong District DG of Marine Spatial Planning Local University in West Kalimantan 	<ul style="list-style-type: none"> The conversion of mangroves into ponds and oil palm plantations The destructive fishing gears are still operated in some areas. Ineffective surveillance and law enforcement The role of fishermen groups in fisheries management is not optimal. 	<ul style="list-style-type: none"> Local wisdom related to reducing fishing activity that has been applied for generations. Determination of protected areas in Kubu Raya and Kayong was based on critical shrimp habitat.
	• Refugia 2	<ul style="list-style-type: none"> Local fishing community in Mapur village (Bangka Belitung) Fishery product collector, trader and exporter Fishery Agency of Bangka Belitung Province Fishery Agency of Bangka District Fishery Agency of Bangka Selatan District DG of Marine Spatial Planning University of Bangka Belitung Mining sector 	<ul style="list-style-type: none"> Offshore tin mining can be a risk factor for the sustainability of squid's critical habitat. The mechanism for monitoring and enforcing regulations in the utilization of squid resources has not been implemented optimally. 	<ul style="list-style-type: none"> Support for squid resource management with a fisheries refugia approach in Tuing waters, Bangka District. Tuing water have been proposed for squid protected area in 2018 by the Government of Bangka Belitung Province.
	• Refugia 3	<ul style="list-style-type: none"> • Insert • Insert • Insert • Insert • Insert • 		

Indicators	Progress and status including list of national policy and legal/regulatory frameworks	Remarks
<i>Reform of national policy, legal and regulatory frameworks governing the management of fisheries refugia</i>	<p>List of national and local policy:</p> <ul style="list-style-type: none"> Ministerial Decree of Marine Affairs and Fisheries No.89/2020 regarding conservation area in West Kalimantan. Decision Letter of Bangka Belitung Governor No. 188.44/739/DKP/2018 about proposing protected area for squid in Tuing waters. <p>Progress :</p>	

	<ul style="list-style-type: none"> ▪ Planning to propose spawning habitat of Penaeid shrimp as a part of conservation area in Kubu Raya and Kayong Utara to support fisheries refugia management. ▪ Policy recommendation regarding squid habitat management is being prepared to support Decision Letter of Bangka Belitung Governor. 	
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Indicators	Sharing country experience on changing of fisherfolk attitude	Remarks
<i>Status of enabling environment reform including extent of behavioural change among small-scale fisherfolk at refugia sites</i>	Strengthening awareness of the fisher community in Tuing water, Bangka District to preserve the critical habitat and squid resources for sustainable use. This condition is indicated by the agreement of the fishing community to prohibit mining activities in the Tuing waters area.	

Indicators	Sharing country experience on Gender Mainstreaming	Remarks
<i>Gender mainstreaming</i>	50.8% of the people involved in the implementation of the Fisheries Refugia project were women and 49.2% were men. In addition, fishery activities, especially the shrimp and squid processing industry in West Kalimantan and Bangka Belitung are dominated by women.	

Indicators	Sharing country experience and proactive on Envi and social safeguards management	Remarks
<i>Environmental and social safeguards management</i>	-	

PART 2: Statistical Data (if country already provided data up to 2020, please provide data of 2021 only)

Indicators	Type of Boat	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21
<i>Number of fishing boat at refugia</i>																	

<i>sites from 2006 - 2021</i> Site 1:																	
<i>Number of fishing boat at refugia sites from 2006 - 2021</i> Site 2:																	
<i>Number of fishing boat at refugia sites from 2006 - 2021</i> Site 3:																	

Annex 1: Refugia Site-1 Name:	
Mapping (English version)	Position Coordinate: (WGS84 format)
	1°15'.144" South and 109° 23'.306" East to 1°14'33.584" South dan 109° 24' 47.253 East.

Annex 2: Refugia Site-2 Name:	
Mapping (English version)	Position Coordinate: (WGS84 format)
	<ul style="list-style-type: none"> • XXXXXX XXXX •