

INDONESIA
National Report and Presentation at the RSTC4

PART 1: Progress and status of project implementation (refers to Annex 1)

Indicators	Name/Location/Province	Target Species	Status		Estimated Refugia Size (Hectares)	Marine Habitat linkage		Refugia Profile (done/not yet)
			Adopted	In process (expected date)		Type (coral, seagrass, mangrove)	Estimated Size (ha)	
Fisheries Refugia Adoption	Site 1: West Kalimantan	Shrimp (Fenneropenaeus spp)		√	in process	Mangrove	in process	in process
	Site 2: Bangka Belitung	Squid (Uroteuthis chinensis)		√	in process	Coral, seagrass	in process	in process
	Site 3: (if appropriated)							
<p><i>If not yet achievement, give a reason and strategic workplan including expected date for completion. :</i></p> <p>The collection of data and information on fisheries and coastal habitats for proposed fisheries refugia sites, both West Kalimantan and Bangka Belitung, has been carrying out since the project started but still needs to be enriched to provide a fisheries refugia profile. Some of important data and information that should be provided are the spawning habitat for the target species, so that the coverage of fisheries refugia area can be determined.</p> <p>The observations and surveys on site to enrich data and information on refugia profiles cannot be carried out due to the covid19 outbreak since March 2020 where there are restrictions on visits and mobility to the location. Several efforts have been made to overcome these obstacles are desk studies and collaborating with universities and related institutions in both site to complete data and information that are not available yet for establishing fisheries refugia. However, without on-site observations and surveys, the profile of the refugia area will be difficult to be completed. The survey to enriched the critical data and information on sites is planning to be carried out in Q3 2021 by implementing strict controls of health protocols during the survey.</p>								
<p><i>Willingness of fisheries and environment sectors to agree on Establishment of Fisheries Refugia:</i></p>								

	Based on observations and previous assessments that have been carried out, it showed that the fisheries sector, including fishing communities and other stakeholders supports the establishment of fisheries refugia in Bangka Belitung and West Kalimantan.
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Indicators	Site	List of the key community/stakeholder	Issues/problems in the establishment	How to achieve?
<i>community / stakeholder engagement in establishing of Fisheries Refugia and implementation of agreed management measures</i>	• West Kalimantan	<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 lack of technical information on critical habitat especially for mature species (Fenneropenaues shrimp), including abundance of the species in the mature stage. • There is still the operation of destructive gears around critical juvenile stage habitats of priority species 	The survey will be conducted to obtain detail data and information Developing collaborations with the local university and others institutions to collect data and information about the critical habitat and discuss with them.
	• Bangka Belitung	<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 • 	<ul style="list-style-type: none"> • The lack of information on critical habitat of squid during the spawning period • The existence of tin mining in the waters of Bangka Belitung 	<ul style="list-style-type: none"> • The survey to obtain information on critical habitat for mature stage of squid will be conducted in Q3 -2021 • An intensive study to figure out the impact of the mining on the ecosystem in the waters of Bangka Belitung, especially on the critical habitat of squids
	• Refugia 3	<ul style="list-style-type: none"> • Insert • Insert • Insert • Insert • Insert • 		

Indicators	Progress and status	Remarks
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<p><i>Reform of national policy, legal and regulatory frameworks governing the management of fisheries refugia</i></p>	<p>-</p>	
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<p>Indicators</p>	<p><i>Sharing country experience on changing of fisherfolk attitude</i></p>	<p>Remarks</p>
<p><i>Status of enabling environment reform including extent of behavioural change among small-scale fisherfolk at refugia sites</i></p>		

PART 2: Statistical Data

Indicators	Type of Boat	2005	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
<i>Number of fishing boat at refugia sites from 2005 - 2020</i> <i>Site 1: West Kalimantan</i>	Set gill nets	-	-	-	-	-	242	-	662	472	1,237		-	967	-	-	-
	Drift nets	-	-	-	-	-	1,084	-	716	696		961	-	1,321	-	-	-
	Trammel nets						1,279		462	392	1,644	1,470	-	1,860			
	Seine nets	-	-	-	-	-	639	-			2,687		-	-	-	-	-
	Bottom seine nets	-	-	-	-	-	1,149	-	235	240			-	-	-	-	-
	Beach seine nets	-	-	-	-	-	323	-	176	173			-	-	-	-	-
	Danish seine	-	-	-	-	-		-			812	1336	-	-	-	-	-
	Set net	-	-	-	-	-		-	47	46	214		-	-	-	-	-
	Trap	-	-	-	-	-		-	472	461	853		-	-	-	-	-
<i>Number of fishing boat at refugia sites from 2005 - 2020</i> <i>Site 2: Bangka Belitung</i>	Hand line	318	246	271	242	316	326	348	424	403	410		356		375	452	460
	Gill net	23	155	108	152	63	76	102	126	236	243	201	147	72	141	100	42
	Trap	24	24	39	60	64	66	73	127	110	110	95	82	70	78	114	115
	Boat lift net	39	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1
<i>Number of fishing boat at refugia sites from 2005 - 2020</i> <i>Site 2:</i>																	

Annex 1:

