



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

4-6 July 2022

SEAFDEC/Training Department, Samutprakarn, Thailand

COUNTRY INPUTS ON
RESULTS FRAMEWORK AS OF 30 JUNE 2022

The objective of this agenda is to update the progress at the country level by referencing the requirements that appeared in the Results Framework Template (see Annex 1). In addition, the country is requested to provide detailed information related to the establishment of fisheries refugia at the country level, as well as the management measures of each established fisheries refugia (see **Annex 2**).

ANNEX 1: Please update on Excel File_WPO2B-Annex 1 attached herewith: (you can delete other columns, and maintain your country field)

PLEASE UPDATE THE FISHERY REFUGIA PROGRESS AT COUNTRY LEVEL AS OF 30 JUNE 2022														
Objective/ Targets	Outcomes	Results	Code	Expected Outputs	Cambodia	Indonesia	Malaysia	Philippines	Thailand	Viet Nam	Regional Programs	LINKS to Results		
					(3+1 Sites)	(2 Sites)	(2 Sites)	(3 Sites)	(2 Sites)	(2-3 Sites)				
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	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 pressure that impact to refugia identified by stakeholders.	A01	Fisheries refugia profile reports, including GIS maps & site characterisations, published										
			A02	Published management plans (Link to B02)										
			A03	Quarterly/Annual Technical reports of network meetings and activities (Number of reports)	97 + ?	36 + ?	33 + ?	57 + ?	43 + ?	NA + ?	14 + 1	Linked to Regional Refugia Website		
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 Region under the ASEAN policy framework.	B01	Published national reviews and recommendations for reforms of national regulations/ordinances										
			B02	Endorsed revised policies, Strategic Management Plan, Fisheries Master Plan										
			B03	Published national guidelines on establishing and operating fisheries refugia										
			B04	National reports on policy, legal and institutional aspects of refugia establishment and management published										
			B05	Endorsed policy and executive orders, provincial/local ordinances and by-laws (proclamation, Provincial Orders for each site)										
			B06	Endorsed National Action Plan for the management of priority fisheries refugia and associated biodiversity										
			B07	Databases online and populated with datasets included fish stock								Completed, uploaded to website	Linked to Regional Refugia Website	
			B08	Endorsed Regional Action Plan for fisheries refugia	cooperated	cooperated	cooperated	cooperated	cooperated	cooperated	cooperated	Endorsed by SEAFDEC / ASEAN		
			B09	National and Regional Geographical Information System online	Link to A1								1st online in 2021, updating in 2022	
			B10	Characterisations for 14 refugia sites accessible online	Link to A1									
B11	Modelling system online	PSC2 agreed to apply the existing Modeling system developed by the IOC/WESTPAC due to lack of long term dataset.												
B12	Best practice fishing methods and practices to address key threats to fish stock and critical habitat linkages	Link to B06, B05 (Management Measures)								Finalizing from Country inputs				
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	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	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 online, while other countries underway. 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.	C01	Best practice approaches and measures for integrated fisheries and habitat management	Included in Quarterly Reports	Included in Quarterly Reports	Included in Quarterly Reports	Included in Quarterly Reports	Included in Quarterly Reports	NA				
			C02	Public awareness and Outreach programmes including tracking of extent of community acceptance	via capacity building, consultations, Workshops							NA	Will be summarized and updated online by Q3/2022	
			C03	Education and awareness centre on fisheries and critical habitat established	NA	NA	3 refugia info centres established	2 refugia info centres established	planning	NA				
			C04	Regional agreement/guidelines on indicators for managed refugia (including standardized data collection)	cooperated	cooperated	cooperated	cooperated	cooperated	cooperated	Adopted at PSC7 Adhoc			
			C05	Online national web portals on fisheries refugia	Developing	Created/online	Developing via lead agency website	Created/online	Created/online	NA	Completed, uploaded to website	Linked to Regional Refugia Website		
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	TORs Completed (need updated)	TORs Completed (need updated)	TORs Completed (need updated)	TORs Completed (need updated)	TORs Completed (need updated)	NA				
			D02	NSTC Terms of Reference and reports	TORs Completed (need updated)	TORs Completed (need updated)	TORs Completed (need updated)	TORs Completed (need updated)	TORs Completed (need updated)	NA				
			D03	Management Board Terms of Reference and Reports	TORs Completed (need updated)	TORs Completed (need updated)	TORs Completed (need updated)	TORs Completed (need updated)	TORs Completed (need updated)	NA				
			D04	RSTC Terms of Reference and Reports								TORs Completed (5 Reports)		
			D05	PSC Terms of Reference and Reports								TORs Completed (7 Reports)		
			D06	Terms of Reference and contracts for project coordination unit staff								TOR Completed		

ANNEX 2: Please update the progress as of 30 June 2022 using the below template.

1) Cambodia

	Refugia site	Target species	Area (ha)	Status	Fishing Closure Period	Management Measures (details)
1	Marine Fisheries Management including Blue Swimming Crab Refugia at Koh Po & Koh Tonsay Archipelago, Kep	Blue Swimming Crab, Anchovy	11,307	Approved	DD1/MM1- DD2/MM2	<ul style="list-style-type: none"> Ban crab fishing during the closure period? prohibited trawling ??
2	Peam Krasob, Koh Kong	Indo-Pacific Mackerel	1,283	Approved	DD1/MM1- DD2/MM2	
3	Prek Thnaot, Kampot	Grouper	284	?????	DD1/MM1- DD2/MM2	
4	Prek Sangke, Village, Tek Thlar Commune, Prey Nub District, Preah Sihanouk Province	Blood cockle	116	Approved	DD1/MM1- DD2/MM2	

2) Indonesia

	Refugia site	Target species	Area (ha)	Status	Fishing Closure Period	Management Measures (details)
1	West Kalimantan	Indian White Shrimp	275,400	?????	DD1/MM1- DD2/MM2	
2	Bangka Belitung (islands)	Mitre Squid	???????	?????	DD1/MM1- DD2/MM2	

3) Malaysia

	Refugia site	Target species	Area (ha)	Status	Fishing Closure Period	Management Measures (details)
1	Tanjung Leman, Johor State	Spiny Lobsters	140,023	?????	DD1/MM1- DD2/MM2	

2	MIRI, Sarawak State	Tiger Prawn	85,200	?????	DD1/MM1- DD2/MM2	

4) Philippines

	<i>Refugia site</i>	Target species	Area (ha)	Status	Fishing Closure Period	Management Measures (details)
1	Off Coron Islands, Palawan	Redbelly Yellowtail Fusilier	1,242	Final process	DD1/MM1- DD2/MM2	
		White-Tipped Scad	?????		DD1/MM1- DD2/MM2	
2	Masinloc coastal area, Zambales	One-Stripe Fusilier	624	Final process	DD1/MM1- DD2/MM2	
		Frigate Tuna	?????		DD1/MM1- DD2/MM2	
3	Bolinao coastal area, Pangasinan	Siganids	263	Final process	DD1/MM1- DD2/MM2	

5) Thailand

	<i>Refugia site</i>	Target species	Area (ha)	Status	Fishing Closure Period	Management Measures (details)
1	Off Trat Province	Indo-Pacific Mackerel	154,600	Approved	DD1/MM1- DD2/MM2	
2	Around Koh Sed, Surat Thani	Blue Swimming Crab	900	Approved	DD1/MM1- DD2/MM2	

6) Viet Nam

	Refugia site	Target species	Area (ha)	Status	Fishing Closure Period	Management Measures (details)
1	off Bach Long Vi Island, Viet Nam	Spiny lobster and shark ??	~?????	~?????	~?????	
2	off Con Dao Island, Viet Nam	Spiny lobster and Japanese eel ??	~?????	~?????	~?????	