



**Establishment and Operation of a Regional System of
Fisheries *Refugia* in the South China Sea and Gulf of Thailand**

REPORT

REFUGIA PLANNING AND EXPENDITURE FOR YEAR 2019

**PUTRAJAYA, MALAYSIA
6-7 DECEMBER 2018**

Prepared by
DEPARTMENT OF FISHERIES, MALAYSIA

SOUTHEAST ASIAN FISHERIES DEVELOPMENT CENTER
TRAINING DEPARTMENT



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Venue

Tenggalan Meeting Room, Level 4, Block 4G2, Wisma Tani, Presint 4, Federal Territory of Putrajaya, Malaysia

1. CHAIRPERSON KEYNOTE

- 1.1 The meeting aimed to discuss the Costed Quarterly Work Plan 2019 for the implementation of the two (2) refugia projects in Tanjung Leman, Johor (lobster) and Kuala Baram, Sarawak (tiger prawn).

2. DISCUSSION

- 2.1 The committee has prepared the draft of Costed Quarterly Work Plan 2019 and will be endorsed in the National Fisheries Refugia Committee Meeting on January 2019.
- 2.2 Malaysia has been selected as the host of the PSC2 Meeting scheduled in November and the proposed location is Miri, Sarawak. The budget for organising this meeting will be funded by SEAFDEC.
- 2.3 A meeting will be held to prepare the annual report of 2019 for refugia projects.
- 2.4 The committee was informed on the needs on setting up the website for refugia projects in Malaysia.

3. CLOSING

- 3.1 The chairperson thanked all the attendees and the meeting adjourned at 4.30 pm.

List of participants

NO.	NAME	AGENCY
1	Mr Rosidi bin Ali	Fisheries Research Institute
2	Mr Hadil bin Rajali	Fisheries Research Institute
3	Mr Samsudin Basir	Fisheries Research Institute
4	Mr Abd. Haris Hilmi bin Ahmad Arshad	Fisheries Research Institute
5	Mr Ryon Siow	Fisheries Research Institute
6	Mrs Norhanida binti Daud	Fisheries Research Institute
7	Dr. Hadzley bin Harith	Fisheries Research Institute
8	Mrs Noor Hasmayana binti Yahaya	Department of Fisheries Malaysia
9	Mr Zamani bin Omar	Department of Fisheries Malaysia
10	Mr Ahmad Faidzi bin Katolany	Department of Fisheries Malaysia
11	Mrs Fadzilah binti Md Kassim	Department of Fisheries Malaysia
12	Mr Dokanaer Kasto anak Muning	Department of Marine Fisheries Sarawak
13	Ms Nur Hidayah binti Asgnari	Fisheries Research Institute

WORK PLAN, TIMETABLE AND BUDGET ALLOCATION 2019**Table 1** Work plan, timetable and budget allocation for national level activities of each component of the SEAFDEC/UNEP/GEF Fisheries Refugia Project in Malaysia

Location	Activity Description	Quarters	Activities	Budget (GEF)	Budget (National)	Total (RM)
T. Leman, Johor	1.1.4 Design and conduct fisheries surveys at the 2 sites and submit data to a national online database	Q1 (Jan-March)	1.Landing data collection	Enumerator (10):		23,400
			2. Resource survey			33,360
			3. Socio-economic survey			17,960
		Q2 (April-June)	1.Landing data collection	Enumerator:		23,400
			2. Resource survey			33,360
		Q3 (July-Sept)	1. Landing data collection	Enumerator:		23,400
			2. Larvae survey			
		Q4 (Oct-Dis)	1. Landing data collection	Enumerator:		23,400

Location	Activity Description	Quarters	Activities	Budget (GEF)	Budget (National)	Total (RM)
Kuala Baram, Sarawak	1.1.4 Design and conduct fisheries surveys at the 2 sites and submit data to a national online database	Q1 (Jan-March 2019)	1.Landing data collection	Enumerator (10):		28,400
			2. Resource survey (spawners)			25,000
			3. Resource survey (juvenile)			18,000
		Q2 (April-June)	1.Landing data collection	Enumerator:		28,400
			2. Resource survey (spawners)			25,000
			3. Resource survey (juvenile)			18,000
		Q3 (July-Sept)	1. Landing data collection	Enumerator:		28,400
			2. Resource survey (spawners)			25,000
			3. Resource survey (juvenile)			18,000
			4. Resource survey (larvae)			15,000

			5. Socio-economic survey			25,000
		Q4 (Oct-Dec)	1. Landing data collection	Enumerator:		28,400
			2. Resource survey (spawners)			25,000
			3. Resource survey (juvenile)			18,000
			4. Resource survey (larvae)			15,000
			5. Socio-economic survey			25,000
T. Leman, Johor	1.2.1 Conduct consultations (including at-sea) to draft maps of fisheries refugia for priority species	Q1 (Jan-March)	March: Consultation -Pahang			10,000
	1.2.2 Prepare maps for 2 refugia and elicit fisherfolk input to boundary delineation through consultation		March: Consultation -Johor			10,000

	1.3.1 Consultations to identify key threats to fisheries <i>refugia</i> sites and identify management measures					
Kuala Baram, Sarawak	<p>1.2.1 Conduct consultations (including at-sea) to draft maps of fisheries refugia for priority species</p> <p>1.2.2 Prepare maps for 2 refugia and elicit fisherfolk input to boundary delineation through consultation</p> <p>1.3.1 Consultations to identify key threats to fisheries <i>refugia</i> sites and identify management measures</p>	Q3 (July-Sept)	Consultation with stakeholder -Sarawak			15,000
Location	Activity Description	Quarters	Activities	Budget (GEF)	Budget (National)	Total (RM)

Kuala Baram, Sarawak	1.2.3 Conduct assessment of environmental and social impacts of designation of sites as refugia	Q3 (July-Sept)	Bathymetry and oceanographic survey			80,000
T. Leman, Johor	1.2.4 Secure formal municipal/local government designation of site as fisheries refugia	Q3 (July-Sept)	July: Consultation with agencies -Pahang			5,000
			July: Consultation with agencies -Johor			5,000
Kuala Baram, Sarawak	1.2.4 Secure formal municipal/local government designation of site as fisheries refugia	Q1 (Jan-March)	Consultation with agencies -Sarawak			2,500
		Q1 (Jan-March)	Consultation with agencies -Sarawak			2,500
T. Leman, Johor	1.3.2 Management plans for 2 sites developed through	Q2 (Apr-June)	Workshop: Management plan through EAFM -Pahang & Johor			30,000

K. Baram Sarawak	community-based consultations	Q3 (July-Sept) –Early Q3	Workshop: Management plan through EAFM -Sarawak			30,000
	1.4.1 Establish management teams and a site-based volunteer network at 2 sites * Through EAFM workshop	Q2 (Pahang & Johor) & Q3 (Sarawak)				
T. Leman & K. Baram	1.4.2 Conduct practical capacity building programme for management volunteers at 2 sites • Invite leader appointed at 1.4.1 (5 individu)	Q3 (July-Sept)	Technical visit -Pahang -Johor -Sarawak			60,000
	2.1.1 Identify and document key threats from fishing and the environment to fish stock and critical habitat linkages	Q3 (July-Sept)	Workshop & Meeting: Johor & Sarawak			30,000

	<p>2.1.2 Formulate recommendations on policy and legal reforms to support promotion of responsible fishing</p> <p>2.2.1 Review of policy and legal aspects on <i>refugia</i> (terminology, procedures, recommended reforms)</p> <p>2.2.2. National expert consultation to formulate agreed recommendations for policy and legal reforms</p>					
	2.1.3 Facilitate consultations with fisheries industry and competent authorities on policy reforms	Q4 (Oct-Dis)	EAFM second consultation -Johor			30,000
			EAFM second consultation -Sarawak			30,000

	2.1.4 National policy reform to promote fisheries sector's sustainable use of fish habitats and biodiversity	Q4 (Oct-Dec)	Meeting			5,000
	3.1.1 Quarterly capture and documentation of best practices in the establishment and operation of fisheries refugia					
	3.1.2 Online catalogue of best practices approaches and measures developed and updated each 6 months					
	3.1.3 6 monthly development of communications on best practices for dissemination and syndication					

	3.2.1 Produce locally appropriate public awareness and outreach materials to promote local social, economic and environmental benefits of fisheries refugia		Upgrade existing Refugia Information Centre -Tg. Leman, Johor			60,000
			To upgrade existing Information Centre to include Refugia -Pulau Tioman			50,000
			To upgrade existing Information Centre to include Refugia -Pulau Tinggi			50,000
			To upgrade existing Information Centre to include Refugia -Miri			50,000
			New Information Centre -Kuching			50,000
	4.1.2 Establish and convene quarterly	Q1-Q4	Meeting			10,000

	meetings of the National Fisheries <i>Refugia</i> Committee (NFRC)					
	4.2.1 Establish and convene 6 monthly meetings of the National Technical Working Group 4.2.2 Provision of technical and scientific inputs to planning of activities in components 1, 2 and 3	Q1-Q4	Meeting (2 months / once)			15,000
	4.3.2 Establish and convene quarterly meetings of site-based management boards	Q1-Q4	4 meetings at 2 locations			5,000
	4.3.3 Preparation of quarterly work plans and progress and financial reports on activities at each site	Q1 (Jan-March)	Workshop			5,000