



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

REPORT

**TECHNICAL WORKING GROUP MEETING REPORT ON MANAGEMENT
EVALUATION OF MARINE FISHERIES MANAGEMENT AREA INCLUDING
BLUE SWIMMING CRAB REFUGIA IN KEP PROVINCE**

KEP, CAMBODIA
10 November 2022

Prepared by

**DEPARTMENT OF FISHERIES CONSERVATION
FISHERIES ADMINISTRATION
CAMBODIA**

**SOUTHEAST ASIAN FISHERIES DEVELOPMENT CENTER
TRAINING DEPARTMENT**



First published in Phrasamutchedi, Samut Prakan, Thailand in October 2022 by the SEAFDEC-UNEP-GEF Fisheries Refugia Project, Training Department of the Southeast Asian Fisheries Development Center

Copyright © 2022, SEAFDEC-UNEP-GEF Fisheries *Refugia* Project

This publication may be reproduced in whole or in part and in any form for educational or non-profit purposes without special permission from the copyright holder provided acknowledgement of the source is made. The SEAFDEC-UNEP-GEF Fisheries *Refugia* Project would appreciate receiving a copy of any publication that uses this publication as a source.

No use of this publication may be made for resale or for any other commercial purpose without prior permission in writing from the SEAFDEC Secretary-General at.

Southeast Asian Fisheries Development Center
Training Department
P.O.Box 97, Phrasamutchedi, Samut Prakan, Thailand
Tel: (66) 2 425 6100
Fax: (66) 2 425 6110
<https://fisheries-refugia.org> and
<https://seafdec.or.th>

DISCLAIMER:

The contents of this report do not necessarily reflect the views and policies of the Southeast Asian Fisheries Development Center, the United Nations Environment Programme, and the Global Environment Facility.

For citation purposes this document may be cited as:

FIA/Cambodia, 2022. Establishment and Operation of a Regional System of Fisheries Refugia in the South China Sea and Gulf of Thailand, Report of Technical Working Group Meeting Report On Management Evaluation Of Marine Fisheries Management Area Including Blue Swimming Crab Refugia In Kep Province. Southeast Asian Fisheries Development Center, Training Department, Samut Prakan, Thailand; FR/REP/CAM107, 12 p.

1. Open a meeting

1.1 Technical Working Group Meeting on Management Evaluation of MFMA in Kep province by Fisheries Administration (FiA) of Cambodia collaborating with Kep Provincial Department of Agriculture, Forestry, and Fisheries from 02 to 03 November 2022, funded by SEAFDEC/UNEP/GEF Fisheries *Refugia*.

1.2 The meeting was conducted at Kep Provincial Department of Agriculture, Forestry, and Fisheries, which was attended by 16 participants from Fisheries Administration, Provincial Department of Agriculture, Forestry, and Fisheries, Fisheries Administration Cantonment, and NGOs (see **Annex 1&3**).

1.3 Ms. Sok Chenda, welcomed to Mr. Ouk Vibol, Director of Department of Fisheries Conservation and his colleagues as well as national and international organization such as MCC, FFI, WEA, and FACT. She informed the meeting that this is an impressive meeting for PDoAFF and FiAC and this meeting results was used for the Management Plan Preparation of MFMA in Kep province. Current MFMA status has been managed well due to supporting budgets from MCC, FFI, WEA, and SEAFDEC/Fisheries *Refugia* Project. Some endangered animal species were recovered such as Dolphin, Dugon, and Marine Turtle meanwhile fish and crab are abundant as well. Moreover, she proposed development partners to help more supports to FiAC in patrolling and disseminating on the regulation and law on fisheries, especially closing season of blue swimming crab starting from May to July.

1.4 Mr. Ouk Vibol expressed thanks very much for Deputy Director of Provincial Department of Agriculture, Forestry, and Fisheries and Department Partners such as FFI, MCC, WEA, and FACT. He informed that METT Score is a such Management and Assessment Tool of Marine Protected Area, being formulated and implemented by WWF and IUCN meanwhile the management plan for MPA will be developed based on the result of METT Score. In this connection, he proposed participants to pay deep attention and consider each question to provide corrected answers to get good results, and he added that the result of METT Score will be presented to Provincial Governor during Provincial Management Committee Meeting to be conducted in next month. And then he declared to open this meeting from now.

2. Presentation on METT Score

2.1 Mr. Kim Sour presented the background of METT Score version 4 meaning that Management Effectiveness Tracking Tool. He added that the METT Score focuses on management effectiveness in protected areas and requires tracking of a wide range of questions grouped around the 6 stages as follow:

- Context: Where are we now? Assessment of importance, threats and policy environment
- Planning: Where do we want to be? Assessment of protected area design and planning
- Inputs: What do we need? Assessment of resources needed to carry out management
- Process: How do we go about it? Assessment of the way in which management is conducted
- Outputs: What were the results? Assessment of the implementation of management programmes and actions; delivery of products and services
- Outcome: What did we achieve? Assessment of the outcomes and the extent to which they achieved to objectives.

2.2 However, he informed the meeting that METT Score has advantages and disadvantages.

For ADVANTAGES:

- A level 1 assessment requires little or no additional data collection.
- It relies largely on available data
- It takes a short period of time and costs little
- Issues are broadly covered
- Focuses on the context of the MPA along with the appropriateness of planning, inputs and processes
- Change may be seen in relatively short timeframes

DISADVANTAGES:

- Depth of analysis is low
- It does not allow a detailed evaluation of outcomes, but rather provides a quick overview of the status of management stages
- Possibilities of distortion
- It assumes that the questions are of equal weight.

2.3 Then, he added that METT Score is very important for us to practice and prepare the management plan of MPA for next year

3. Discussion on METT Score

3.1 Mr. Ouk Vibol proposed Mr. Kim Sour to start discussion on whole questions in the format of METT Score including introduction plus 38 questions. He proposed all participants to consider carefully each question to answer properly and to get good results.

3.2 Mr. Kim Sour started to discuss on METT Score format spending the period of one and half day to complete it.

4. Result of METT Score

After discussion for one day and haft, the results of METT Score for MFMA in Kep province showed that

- Planning of your element score is 13 while the maximum score is 21, getting 61.90%.
- Input of your element score is 7 while the maximum score is 18, getting 38.89%
- Process of your element score is 23 while the maximum score is 51, getting 45.10%
- Outputs of your elements score is 3 while the maximum score is 15, getting 20%
- Outcomes of your element score is 4 while the maximum score is 9, getting 44.44%

Table1: MEET Score per Management Elements (Percentage)

Element	Your Element Score	Maximum Element Score	Your Element %	Max %
Planning	13	21	61.90%	100.00%
Inputs	7	18	38.89%	100.00%
Process	23	51	45.10%	100.00%
Outputs	3	15	20.00%	100.00%
Outcomes	4	9	44.44%	100.00%

Table2: Condition of Value

Main value	Condition	Trend
Recreational tourism	Good	Improving
Seagrass, coral and mangrove habitats	Fair	Deteriorating
Marine resources (blue swimming crab, oyster, high value fish)	Fair	Deteriorating
Endangered species (dugong, dolphin, sea turtle, seahorse, giant clam)	Fair	Deteriorating
Spawning and breeding ground	Fair	Deteriorating

Table3: Status and Trend of Key Indicator Species

Species	Range	Population size	Pop process	Habitat area	Habitat quality	Extent of threats
Dolphin	0	0	0	0	0	0
Dugong	0	0	0	0	0	0
Turtles	0	0	0	0	0	0
Blue-swimming crab	0	0	0	0	0	0
Seahorse	0	0	0	0	0	0

Table4: Status and Trend in Habitat

Key habitats	Range	Area of habitat	Structure and function	Extent of threats
Seagrass	Stable	Stable	Declining	Increasing
Coral reef	0	0	0	0
Rocky shore	0	0	0	0
Oyster beds	0	0	0	0
Mangrove	0	0	0	0

5. Discussion on Annual Workplan for 2023

Mr. Ouk Vibol proposed the meeting to consider and prepare annual workplan for 2023 based on 5-year management plan for MFMA in Kep province. He added that each organization from MCC, FFI, WEA, and FACT can insert their activities and budgets into the annual workplan. The workplan was appeared in annex 4

6. Close meeting

4.1. Mr. Ouk Vibol expressed thank very much for all participants, taking their opportunities to join this meeting, and making the meeting for two todays to get fruitful and successful. Then, he declared to close the meeting at 5:00pm on 03 November 2022.

ANNEX 1: List of Participants in Technical Working Group Meeting on Management Evaluation of MFMA in Kep province on 02-03 November 2022

No.	Name	Sex	Title	Organization	Telephone
1	Mr. Ouk Vibol	M	Director	DFC/FiA	012918120
2	Kao Monirith	M	Director	Marine Fisheries Administration Inspectorate/FiA	0978787922
3	Tay Chhen	F	Field Research Technical Officer	WEA	0965327417
4	Sok Chenda	F	Deputy Director	DoAFF in Kep	087422098
5	Lo Samphos	F	Coordinator	MCC	0963831649
6	Kyng Sophanny	M	Deputy Director	FiAC in Kep	012494269
7	Pheun Phalla	M	Deputy Director	FiAC in Kep	012947375
8	Kim Sour	M	Deputy Head of Division	Kampot Provincial Hall Administration	
9	Ven Pros	M	MPA Officer	FFI	077690005
10	Pak Kab	M	Officer	FiAC in Kep	0883036459
11	Tan Socharly	M	Officer	FiAC in Kep	098635018
12	Chan Leakhena	F	Head of Technical Working Group in Koh Kong	FFI	012838516
13	Leng Sy Vann	M	Deputy Director	DFC/ FiA	017446373
14	Poung Pich Ponareay	M	Project Manager	FFI	092459400
15	Va Sotepy	F	Vice Head of Division	DFC/FiA	085237616
16	Kim Sokha	M	Director of Division	DFC/FiA	012784687

ANNEX 2: Schedule for Technical Working Group Meeting on Management Evaluation of MFMA in Kep province on 02-03 November 2022

Date/Time	Description	Responsible person
01 November 2022		
10:00am-2:30pm	Leaving Phnom Penh for Kep province	<ul style="list-style-type: none"> • Mr. Ouk Vibol • Mr. Leng Sy Vann • Mr. Kim Sokha • Ms. Va Sotepy
02 November 2022		
8:00am- 8:30am	Registration	All
8:30am- 8:40am	Welcome speech	Director of Provincial Department of Agriculture, Forestry, and Fisheries
8.40am -9.00am	Remark speech and Open a meeting	Mr. Ouk Vibol

		Director of the Department of Fisheries Conservation
9:00am-10:00am	METT Score Presentation made by FFI	FFI Officer
10:00am-10:20am	Snack break and Taking photos together	All participants
10:20am-12:00am	Discussion on METT Score for MFMA in Kep province	Facilitated by Mr. Ouk Vibol Director of the Department of Fisheries Conservation
12:00am-2:00pm	Lunch Break	All participants
2:00pm-3:30pm	Discussion on METT Score for MFMA in Kep province	Facilitated by Mr. Ouk Vibol Director of the Department of Fisheries Conservation
3:30pm-3:50pm	Snack break	All participants
3:50pm-5:30pm	Discussion on METT Score for MFMA in Kep province	Facilitated by Mr. Ouk Vibol Director of the Department of Fisheries Conservation
03 November 2022		
8:30am-10:00pm	Discussion on METT Score for MFMA in Kep province	Facilitated by Mr. Ouk Vibol Director of the Department of Fisheries Conservation
10:00am-10:20pm	Snack break	All participants
10:20am-12:00pm	Discussion on METT Score for MFMA in Kep province	Facilitated by Mr. Ouk Vibol Director of the Department of Fisheries Conservation
12:00pm-2:00pm	Lunch break	All participants
2:00pm-5:10pm	Discussion on Annual Workplan 2023 for MFMA in Kep province	Facilitated by Mr. Ouk Vibol Director of the Department of Fisheries Conservation

5:10pm-5:30pm	Closing a meeting	Mr. Ouk Vibol Director of the Department of Fisheries Conservation
04 November 2022		
9:00am -1:30pm	Leaving Kep for Phnom Penh	All

ANNEX 3: Participants' Photos in Technical Working Group Meeting on Management Evaluation of MFMA in Kep province on 02-03 November 2022

