



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

REPORT

**STAKEHOLDER CONSULTATION WORKSHOP ON FISHERIES
REFUGIA AT PREK THNOAT VILLAGE, KAM POT PROVINCE**

**KAMPOT, CAMBODIA
12-13 NOVEMBER 2018**

Prepared by
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SOUTHEAST ASIAN FISHERIES DEVELOPMENT CENTER
TRAINING DEPARTMENT



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1. Opening workshop

- 1) The stakeholder consultation workshop was organized by Fisheries Administration (FiA) of Cambodia collaborating with Kampot Fisheries Administration Cantonment on 12 to 13 November 2018 funded by SEAFDEC/UNEP/GEF Fisheries *Refugia* in Prek Thnoat village, Prek Thnoat Commune, Tek Chhou district, Kampot province. The workshop was attended by Fisheries Administration, Kampot Fisheries Administration Cantonment, Community Fisheries, and Local Authorities, having 40 total participants. (See annex 1, 2& 3).
- 2) **Mr. Leng Sy Vann**, Deputy Director of Fisheries Conservation expressed thanks very much for all participants taking their opportunities to come to attend the period of two day-workshop, especially Kampot Fisheries Administration Cantonment, which helped and supported that workshop organization there.

2. Summary of workshop objectives and purpose

- 3) **Mr. Seng Leang**, Director of Administrative and Extension Division, Department of Fisheries Conservation presented the workshop objectives and purposes, focusing on the discussion of selected sites, aquatic species in selected sites, connection between fish biology and its environment, problem setting, and threading important fish species. Long-term results of the project included sustainable fishery resources management, increasing important fish species, marine natural balance, sustainable fishing fishermen, increasing local livelihood.

3. Watching video clip on fisheries *refugia* initiative

- 4) **Mr. Leng Sy Vann** introduced and presented Video Clip on Fisheries *Refugia* Initiative prepared by SEAFDEC/UNEP/GEF. He explained the importance of the video clip providing ideas and experiences of fisheries *refugia* creation in Southeast Asia countries.
- 5) And then he raised some problems happening and causing the marine fisheries resource impact, including increasing of small-scale fishers, blast fishing, sea grass and coral reef destruction, water pollution from factories and tourism sector development.
- 6) Thai expert from SEAFDEC raised and worried about the capture of juvenile, making impact of fish stock and brood stock at future. These made fisheries resources declined gradually. Therefore, fisheries *refugia* initiative plays main roles in ensuring food security, income, and enhancement of local livelihood with more than 270 million people living on SCS' s coastal to promote sustainable use rather than prohibiting fishing.

4. Overview of objectives of seafdec/unep/gef fisheries *refugia* initiative

- 7) **Mr. Leng Sy Vann** presented the overview of objectives of SEAFDEC/UNEP/GEF FISHERIES *REFUGIA* INITIATIVE. His presentation focused on longer-term project goals, medium-term project objectives, and specific project objective. The longer-term project goals focused on transformational change in how the fisheries and environment sectors work together, medium-term project objectives focused on align with those of the fisheries component of the Strategic Action Programme for the South China Sea; and specific project objective focused on operational management of key threats to fish stock and critical habitat linkages.
- 8) He added that the project of fisheries *refugia* has 4 components, including 1) **component 1**: Identification and management of fisheries and critical habitat linkages at priority fisheries *refugia* in the South China Sea; 2) **component 2**: Improving the management of critical habitats for fish stocks of trans-boundary significance via national and regional actions to strengthen the enabling environment and knowledge-base for fisheries *refugia* management in the South China Sea; 3) **component 3**: Information Management and Dissemination in support of national and regional-level implementation of the fisheries *refugia* concept in the

South China Sea and Gulf of Thailand; and 4) **component 4**: National and regional cooperation and coordination for integrated fish stock and critical habitat management in the South China Sea and Gulf of Thailand.

5. Discussion of priorities species and threat to fish life cycle and critical habitat linkage

- 9) **Mr. Leng Sy Vann** explained to participants about how to do the matrix of priority fisheries specie and threat to fish life cycle and critical habitat linkage. There are many stages of fish life cycle such as spawning, pre-juvenile, juvenile, and adult.
- 10) According to discussion results, the stage of fish life cycle that is a critical threat are 1) fingerling grouper harvested for aquaculture and animal feed from October to December, 2) *Siganus spp.* (Fingerlings) collected from September to December for duck feed, and 3) *Moolgarda spp.* (Fish brood stock) during spawning from May to June or November to January or whole year.
- 11) However, fingerling grouper is main fish species that is needed to protect those seed. Therefore, the Community Fisheries agreed to create Fisheries *Refugia* of Fingerling Grouper in Touch commune, Tek Chhou district in order to reduce or stop capturing grouper seed as well as increasing in the fish stock of grouper.
- 12) Discussion Results of Threats to Fish Life Cycle and Critical Habitat Linkages

SPECIES	LIFE-CYCLE STAGE	THREAT	IMMEDIATE CAUSE	ROOTCAUSE	MANAGEMENT ACTION
Grouper (<i>Epinephelus spp.</i>)	Fingerlings from October to December	<ul style="list-style-type: none"> Declining fingerlings Habitat destruction such as sea grass, coral reef, and 	<ul style="list-style-type: none"> Mosquito net fishing gear Push net with electro fishing gear Mouse tailed trap Trawler with ball light Push net with handle 	<ul style="list-style-type: none"> High demand There are a lot of fish cages High price in market 	<ul style="list-style-type: none"> Strengthening law enforcement Strengthening patrolling group Strengthening cooperation with relevant stakeholders Establishing fisheries <i>refugia</i> Strengthening the extension to fish seed traders Replanting flooded forest and mangroves seed
<i>Siganus spp.</i>	Fingerlings from September to December	<ul style="list-style-type: none"> Declining fingerlings Habitat destruction such as sea grass, coral reef, and 	<ul style="list-style-type: none"> Mosquito net fishing gear Push net with electro fishing gear Mouse tailed trap Trawler with ball light Push net with handle 	<ul style="list-style-type: none"> High demand for duck feed Illegal fishing High price in market 	<ul style="list-style-type: none"> Strengthening law enforcement Strengthening patrolling group Strengthening cooperation with relevant stakeholders Fisheries law extension

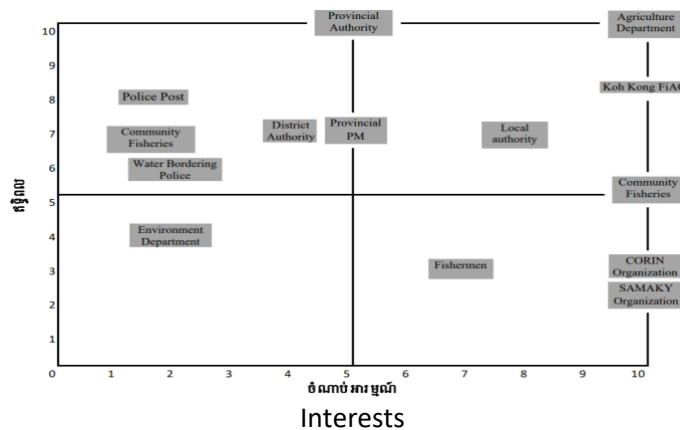
<i>Moolgard a spp.</i>	Fish brood stock during spawning from May to June or November to January or whole year	<ul style="list-style-type: none"> Declining brood stock 	<ul style="list-style-type: none"> Mosquito net fishing gear 	<ul style="list-style-type: none"> High demand Illegal fishing High price in market 	<ul style="list-style-type: none"> Strengthening law enforcement Strengthening patrolling group Strengthening cooperation with relevant stakeholders Fisheries law extension
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6. Discussion of the collation of baseline information and data related to fish life cycle and critical habitat links, as well as fishing effort dynamites

- 13) **Mr. Leng Sy Vann** explained to all participants from Community Fisheries that the project has planned to collect the baseline information related to fish life cycle and critical habitat links as well as fishing effort dynamics. The information is very important for the project to prepare work plan for project implementation. The baseline information collection will be conducted in Tropaing Ropaov, Prek Thnoat, and Chong Hor CFI area, providing useful information for the fisheries *refugia* project at Kampot province.
- 14) In addition, the information of fishing effort dynamics consists of Mosquito net fishing gear, Push net with electro fishing gear, Mouse tailed trap, Trawler with ball light, and Push net with handle. Those fishing gears made affected to marine fisheries resource, which is needed to take urgent action to address those issues. Those issues were raised such as Strengthening law enforcement, Strengthening patrolling group, Strengthening cooperation with relevant stakeholders, Establishing fisheries *refugia*, Strengthening the extension to fish seed traders, and Replanting flooded forest and mangroves seed

7. Group discussion on stakeholder analysis and engagement planning

- 15) **Mr. Leng Sy Vann** explained to participants about how to do stakeholder analysis using the chart of X-axis talking about Interest and Y-axis talking about Influence. Scoring is from 0 to 10, meaning that the score is more and more higher, interests and influences are more and more stronger.
- 16) The discussion results showed that there are many stakeholders involved in fisheries resource management in three community fisheries areas including provincial, district, and local authorities, provincial armed forces, provincial line departments, community fisheries, and civil societies. Those stakeholders are different interests and influents based on their action taken in fisheries resource management there.



8. Discussion of planning socio economic survey in use assessment impact of area based management in the localities of fisheries *refugia* sites

- 17) **Mr. Leng Sy Vann** informed participants that the project will plan to conduct socio economic survey to evaluate the project impact assessment after end of the project. The survey will be possible next year and it is also useful for the project implementation specially comparison of pre-and post-project. Therefore, three community fisheries were intended to attend and support those activities to ensure that the project will enable to do that job with success.

9. Discussion of communication and use of media

- 18) **Mr. Leng Sy Vann** explained to participants about communication and use of media that is a main part in social communication. According to the discussion, many kinds of media have been used to communicate Telegram, Face book, and Messengers. Generally, they have used Telegram (about 80%) to communicate their workplace, especially with Fisheries Administration Cantonment in Kampot related to fishing offending in community fisheries area and any ways, they used Face book (90%) to communicate their private services.

10. Close of the workshop

- 19) **Mr. Leng Sy Vann**, on behalf of Director of Department of Fisheries Conservation expressed very much thanks to all participants from local authorities and three community fisheries, taking their chances to attend that workshop for two days. The result of the workshop provided good information and inputs which is useful to prepare workplan for the upcoming project implement. The workshop was closed at 4:30pm.

Annex 1
agenda for stakeholder consultation workshop at koh kong



SEAFDEC/UNEP/GEF/CAMBODIA project “establishment and operation of a regional system of fisheries *refugia* in the South China Sea and gulf of Thailand”

Provisional time table and agenda for stakeholder consultation workshop at Koh Kong

For Community Fisheries	
1 st day: 12 November 2018 (Monday)	
08.00-08:30	Registration
08.30-08.45	Agenda 1: Opening workshop
08.45-09.05	Agenda 2: Summary of workshop objectives and background
09:05-09:35	Agenda 3: Watching video clip of SEAFDEC/UNEP/GEF (5minuts)
09:35-10:00	Coffee break and group photo
10.00-11.00	Agenda 4: Overview of Objectives of SEAFDEC/UNEP/GEF Fisheries <i>refugia</i> Initiative
11.00-12.00	Agenda 5: Discussion of priority fisheries species and threat to fish life cycle and critical habitat linkages
12.00-02.00	Lunch
02.00-02.30	Presentation of the results of group discussion
02.30-03.30	Agenda 6: The collation of baseline information and data relating to fish life cycle and critical habitat linkage, as well as fishing effort dynamics
03:30-04:30	Presentation of the results of group discussion
04.30-05.00	Agenda 7: 1 st day close
2 rd day: 13 November 2018 (Tuesday)	
08.30-09.30	Agenda 8: Conduct stakeholder analysis and engagement planning
09:30-10:00	Presentation of the results of group discussion
10:00-10:20	Coffee break
10.20-11.30	Agenda 9: The planning socio economic survey in use assessing impacts of area based management in the localities of fisheries <i>refugia</i> sites
11:30-12:00	Presentation of the results of group discussion
12.00-02.00	Lunch
02.00-02.30	Agenda 10: Communication and use of media
02.30-03.00	Agenda 11: Close

ANNEX 2

List of participants attending the Stakeholder Consultation Workshop for Fisheries Refugia with community fisheries on 12 to 13 September 2018 in Kampot Province

Name	Sex	Title	Organization	Telephone
1. Voeng Seila	M	Vice Chief of Fisheries Administration Cantonment	Kampot FiA Cantonment	012670008
2. Mey Sophat	F	Member of Commune Council	Prek Thnoat Commune	012703589
3. Pun Vutha	M	Vice Chief of Village	Prek Thnoat Village	092816797
4. Sam Seun	M	Member of CFI	Prek Thnoat CFI	
5. Ouk Sovannarith	M	Chief of CFI	Prek Thnoat CFI	
6. Sok Chea	M	Chief of CFI	Chorng Hor CFI	
7. San Sovann	M	Member of CFI	Prek Thnoat CFI	
8. Phorn Nary	F	Member of CFI	Chorng Hor CFI	
9. Sin Seang	M	Member of CFI	Chorng Hor CFI	
10. Ley Sokhun	M	Member of CFI	Prek Thnoat CFI	
11. Lay Oung	M	Vice Chief of CFI	Prek Thnoat CFI	
12. Korng Vorn	M	Vice chief of CFI	Chorng Hor CFI	0888370080
13. Sorm Seun	M	Member of CFI	Chorng Hor CFI	
14. Thung Nhel	M	Member of CFI	Prek Kreng CFI	0974646066
15. Seung Mith	M	Member of CFI	Prek Kreng CFI	
16. Lay Try	M	Member of CFI	Chorng Hor CFI	
17. Yin Nou	M	Member of CFI	Chorng Hor CFI	
18. Sem Death	M	Member of CFI	Tropaing Ropaov CFI	0977377610
19. Les Nuk	M	Member of CFI	Tropaing Ropaov CFI	0887975710
20. Math Ly	M	Member of CFI	Tropaing Ropaov CFI	086601042
21. Seth Ry	M	Member of CFI	Tropaing Ropaov CFI	
22. Pun Nhung	F	Vice chief of CFI	Tropaing Ropaov CFI	
23. Tith Rin	M	Chief of CFI	Tropaing Ropaov CFI	
24. Orm An	M	Member of CFI	Tropaing Ropaov CFI	0972251919
25. Touch Ven	M	Chief of Village	Tropaing Ropaov Village	092286147
26. Math Hym	M	Member of CFI	Prek Thnoat CFI	
27. Vorn Sareun	M	Member of CFI	Prek Kreng CFI	0718382080
28. Tren Poly	M	Officer	Kampot FiAC	0976411164
29. Ouk Sam Orl	M	Chief of Kampot Fisheries Administration Division	Kampot FiAC	015822883
30. Seng Leang	M	Chief of Division	DFC/FiA	017300777
31. Hout Vuthy	M	Vice chief of Division	DFC/FiA	017391616
32. Kin Samnang	F	Officer	DFC/FiA	077411136
33. Leng Sy Vann	M	Deputy Director	DFC/FiA	017446373
34. Vun Pich	M	Member of CFI	Tropaing Ropaov CFI	
35. Yim Chea	M	Member of CFI	Tropaing Ropaov CFI	
36. Khem Yorn	F	Member of CFI	Tropaing Ropaov CFI	
37. Kao Meng	M	Member of CFI	Tropaing Ropaov CFI	
38. Penh Mao	M	Member of CFI	Chorng Hor CFI	
39. Cheng You	M	Member of CFI	Prek Thnoat CFI	
40. Yos Pym	M	Member of CFI	Chorng Hor CFI	

ANNEX 3

Participants' Pictures in Stakeholder Consultation Workshop for Fisheries Refugia with community fisheries on 12 to 13 November 2018 at Kampot province

