



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

REPORT

**THE THIRD MEETING
OF THAILAND'S NATIONAL FISHERIES REFUGIA COMMITTEE**

**BANGKOK, THAILAND
16 JANUARY 2019**

Prepared by
**DEPARTMENT OF FISHERIES
THAILAND**

**SOUTHEAST ASIAN FISHERIES DEVELOPMENT CENTER
TRAINING DEPARTMENT**



Southeast Asian Fisheries
Development Center



United Nations
Environment



Global Environment
Facility

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REPORT OF THE MEETING

The third meeting of Thailand's National Fisheries Refugia Committee of the Project entitled "Establishment and Operation of a Regional System of Fisheries Refugia in the South China Sea and Gulf of Thailand" was organized by the Department of Fisheries on 16th January 2019 at 13.00-16.30 pm. Mr. Arunchai Puthcharoen, Deputy Director-General of the Department of Fisheries, acted for the Director-General as the chairman in his absence. Meeting agenda and list of participants are shown in Annex 1 and 2, respectively. The meeting minutes are as follows:

AGENDA 1 REPORT OF THE CHAIRMAN

1. Mr. Arunchai Puthcharoen, Deputy Director-General of the Department of Fisheries, informed the meeting that the chairman of the Committee, Dr. Adisorn Promthep, could not chair the meeting due to his official business, and assigned Mr. Arunchai to act for him as the chairman. The chairman then introduced the agenda to the meeting.

AGENDA 2 ADOPTION OF THE PREVIOUS MEETING REPORT

2. **Ms. Prulai Nootmorn**, Senior Expert in Marine Fisheries, Department of Fisheries, as a committee and secretary, noted that the previous meeting report, i.e. the report of the second meeting of Thailand National Fisheries Refugia Committee on 10th October 2018, had been delivered to each committee for consideration. In this regard, she requested the meeting to consider, amend, and adopt the report.
3. **Meeting Resolution:** The meeting adopted the report of the second meeting of Thailand National Fisheries Refugia Committee on 10th October 2018.

AGENDA 3 MATTERS OF REPORT

3.1 Notification of the Department of Fisheries No. 1130/1/2561 Re: Appointment of Thailand's National Fisheries Refugia Committee dated 27th November 2018

4. **Ms. Prulai Nootmorn** presented to the meeting the membership and TOR of Thailand's National Fisheries Refugia Committee which were included in the "Notification of the Department of Fisheries No. 1130/1/2561 Re: Appointment of Thailand's National Fisheries Refugia Committee dated 27th November 2018", as shown in Annex 3
5. **Meeting Resolution:** The meeting acknowledged.

3.2 Notification of the Department of Fisheries No. 1130/2561 Re: Appointment of Thailand's National Scientific and Technical Committee dated 27th November 2018

6. **Ms. Prulai Nootmorn** presented to the meeting the membership and TOR of Thailand's National Scientific and Technical Committee which were included in the "Notification of the Department of Fisheries No. 1130/2561 Re: Appointment of Thailand's National Scientific and Technical Committee dated 27th November 2018", as shown in Annex 4
7. **Meeting Resolution:** The meeting acknowledged.

3.3 Progress of the Project Implementation

8. **Ms. Prulai Nootmorn** presented to the meeting the overall progress of the preceding project implementation up until present, both regionally and nationally. Objectives and results of each survey/meeting/workshop were also notified. The presentations are shown in Annex 5.

9. **Assoc. Prof. Dr. Shettapong Maksumpun**, Dean of the Faculty of Fisheries, Kasetsart University, asked about the keeping of budget allocated, expenditure in 2018, and main purpose of the Project.
10. **Ms. Praulai** responded that the budget allocated for Thailand would be transferred from Southeast Asian Fisheries Development Center (SEAFDEC) to the Department of Fisheries (DOF) upon the Quarterly request. Ms. Praulai noted that expenditure of the Project in 2018 comprised the expenses of personnel, preliminary surveys, meetings, and workshops. She also mentioned that the main purpose of the Project was the management measure in Fisheries Refugia which aim to decrease 50% of fishing effort in the area.
11. **Meeting Resolution:** The meeting acknowledged.

AGENDA 4 MATTERS FOR CONSIDERATION

4.1 Priority Fisheries Species and Project Site in Trat Province

12. **Ms. Praulai Nootmorn** noted that: from the previous meeting of Thailand's Scientific and Technical Committee, on 17th December 2018, the committee agreed to propose Indo-Pacific mackerel as the priority species in the coastal area of Trat Province due to the following supporting information:
 - It has been the important economical marine species in Thailand;
 - There has been technical information supported;
 - It has been recommended by stakeholders in Trat Province;
 - It is expected to be Thai-Cambodian trans-boundary species; and
 - It is also the priority species of Fisheries Refugia in Ko Kong of Cambodia; this will benefit to fisheries co-management in both countries.
13. **Ms. Praulai** noted that the Scientific and Technical Committee also agreed that the fishing ground, both small-scale and commercial, of Indo-Pacific mackerel throughout Trat Province covering the area about 5,000 km² should be the Project site of Fisheries Refugia in Trat Province (Figure 1).
14. **Mr. Kumpon Loychuen**, Director of the Eastern Gulf Fisheries Research and Development Center (Rayong), Department of Fisheries, highlighted that: due to recent study in the fishing ground of Trat Province during 2017-2018, larval and matured stages of Indo-Pacific mackerel were found most abundant in the period of January-April.
15. **Mr. Weerasak Yingyuad**, Representative from Project Coordinating Unit noted that the issue of trans-boundary fisheries co-management has also been raised in Cambodia. He also noted that biological information of Indo-Pacific mackerel in Ko Kong of Cambodia had been being studied under cooperation with the Faculty of Science, Chulalongkorn University. He mentioned that technical cooperation among the participating countries could be facilitated by the Regional Scientific and Technical Committee for the significance of co-management in the region.
16. **LCdr. Sansern Serirak**, Director of Trat Provincial Fisheries Office, Department of Fisheries, mentioned that there had been provincial cooperation on fisheries between Trat Province of Thailand and Ko Kong Province of Cambodia. He recommended the adjustment of boundary line of the project site in Trat Province to be the same as the exact Thai-Cambodian boundary line (Thailand-Cambodia continental shelf boundary) for propriety.

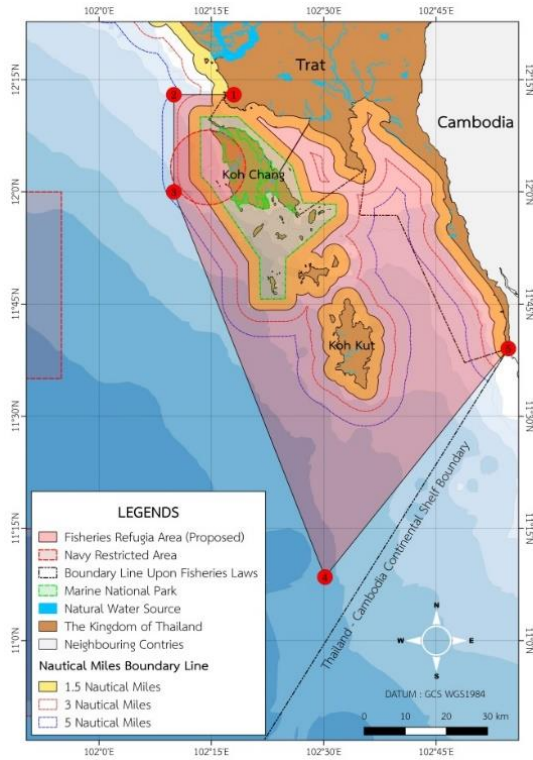


Figure 1 Proposed Fisheries Refugia site in Trat Province

17. **Meeting Resolution:** Indo-Pacific mackerel would be priority species in Trat Province. Proposed Fisheries Refugia site would be adjusted by shifting of the boundary line near Cambodian border to be the same line as Thailand-Cambodia continental shelf boundary, as shown in figure 2.

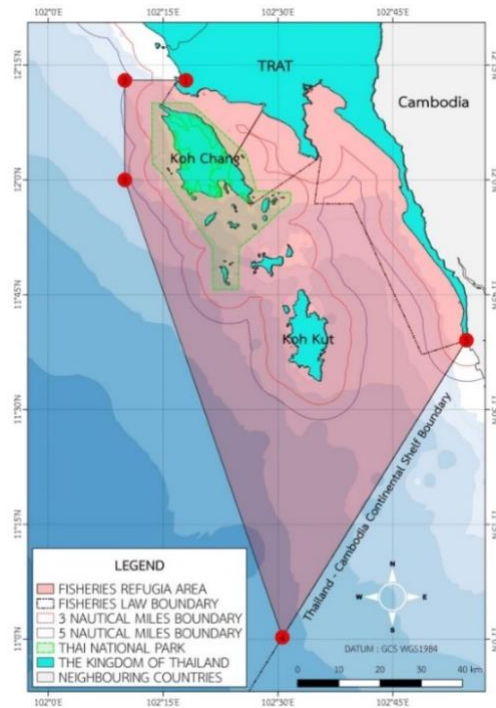


Figure 2 Adjusted Fisheries Refugia site in Trat Province

4.2 Priority Fisheries Species and Project Site in Surat Thani Province

18. **Ms. Prulai Nootmorn** noted that from the previous meeting of Thailand's Scientific and Technical Committee, on 17th December 2018, the committee agreed to propose blue swimming crab as the priority species in the coastal area of Surat Thani Province due to the following supporting information:

- It has been the important economical marine species in Thailand;
- There has been technical information supported;
- It has been the first species recommended by stakeholders in Surat Thani Province; and
- It is the target species of the Fishery Improvement Project (FIP) in Surat Thani Province; this will benefit integration of technical information and management approach in the area and could be a good practice for others.

19. **Ms. Prulai** mentioned that the Scientific and Technical Committee also agreed that Fisheries Refugia site would be the coastal area from shoreline of Surat Thani Province straight rightward closing to the protected area of Mu Koh Ang Thong National Marine Park which covered the area about 2,400 km², as shown in figure 3.

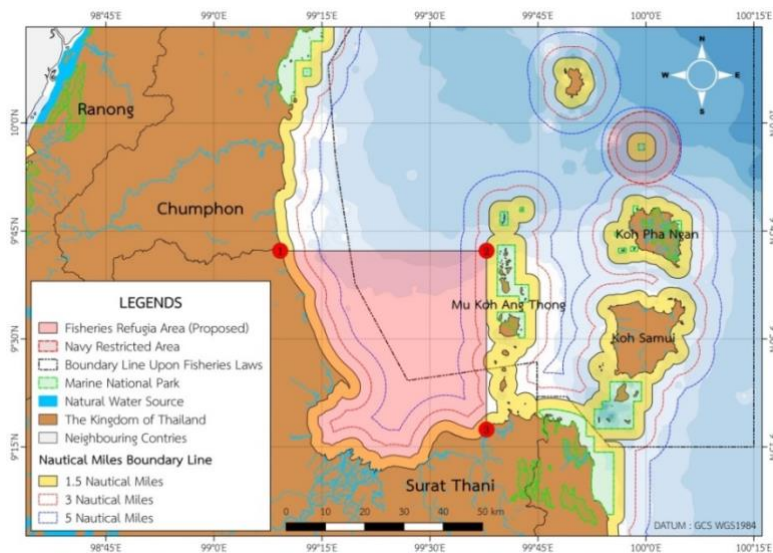


Figure 3 Proposed Fisheries Refugia site in Surat Thani Province

20. **Mr. Kumpon Loychuen** added the information that: due to the study of Asst. Prof. Dr. Amonsak Sawusdee, Walailak University, Ban Don Bay of Surat Thani Province was regarded as a significant nursery ground of blue swimming crab. There were available data of ecosystem and environment as well as fisheries and biology of blue swimming crab in Surat Thani Province provided by FIP and the Central Gulf Fisheries Research and Development Center (Chumphon), Department of Fisheries.

21. **Assoc. Prof. Dr. Shettapong Maksumpun** asked about the linkages for Project implementation.

22. **Mr. Weerasak Yingyuad** responded that there would be notifications of Fisheries Refugia areas, in which the fishing pressure would be 50% decreased in the critical period and destructive fishing gears would be 20% changed to the friendly ones.

23. **Mr. Somporn Kuasakul**, Senior Fishery Officer, Surat Thani Provincial Fisheries Office, Department of Fisheries, recommended Ko Hua Sed of Surat Thani Province to be focused for Fisheries Refugia site

24. **Mr. Weerasak Yingyuad** noted that the Site-Based Management Boards in the areas would facilitate, cooperate, and make decision for the management in their responsible areas.
25. **Mr. Arunchai Puthcharoen**, the chairman, concluded that the Project should be implemented based on its objectives and purpose. He also mentioned that technical information was needed for management measures; and the understandings as well as cooperation of stakeholders were essential for the accomplishment of the Project.
26. **Meeting Resolution:** the meeting agreed for the proposed priority species and project site in Surat Thani Province.

4.3 Approval of Quarterly Progress Report, Expenditure Report, Costed Work Plan, and Cash Advance Request

27. **Ms. Prulai Nootmorn** presented to the meeting progress report and expenditure report of the 4th quarter, October-November, of the year 2018 and costed work plan and cash advanced request of the 1st quarter, January-March, of the year 2019, details of which are shown in annex 6, 7, 8, and 9, respectively, and concluded as follows:
- Progress Report (October-November 2018)
 - Consultation Meeting for Project Implementation on 5th October 2018
 - The Second Meeting of Thailand National Fisheries Refugia Committee on 10th October 2018
 - Consultation Meeting for Project Implementation on 13th November 2018
 - The First Meeting of Thailand National Scientific and Technical Committee on 17th December 2018
 - Expenditure Report (October-November 2018)

○ Project budget allocation for the three-month period	13,887.03 US\$
○ Expenditure incurred for the three-month period	6,943.92 US\$
○ Unspent balance of budget for three-month period	6,943.11 US\$
 - Costed Work Plan (January-March 2019)

○ Project personnel and consultants	7,312.00 US\$
○ Travel on official business	5,420.00 US\$
○ Sub-contracts with non-profit supporting organization.	4,000.00 US\$
○ Meetings	2,100.00 US\$
▪ Total costs	18,832.00 US\$
 - Cash Advance Request (January-March 2019)

○ Estimated disbursements for period ending 31 th Mar 2019	18,832.00 US\$
○ Less : closing cash balance as at 31 th Dec 2019	6,943.11 US\$
○ Total cash requirements for the period ending 31 th Mar 2019	11,888.89 US\$
28. **LCdr. Sansern Serirak** asked about the procedure and organizations to be outsourced (sub-contracts with non-profit supporting organization).
29. **Mr. Arunchai Puthcharoen**, the chairman, noted that outsourcing could be done under the procedure of government procurement and TOR. He also mentioned that outsourcing had its advantage as the task could be done full-time and non-bias data would be obtained from fishermen and stakeholders.

30. **Mr. Weerasak Yingyuad** clarified the item of sub-contracts that, regarding the project budget codes, there were 3 groups of sub-contracts, i.e. sub-contracts with UN cooperating agencies, sub-contracts with non-profit supporting organization, and sub-contracts on commercial purposes
31. **Resolution:** The committee approved those progress report, expenditure report, costed work plan, and cash advanced request.

Agenda 5 Any Other Business

32. **Ms. Prulai Nootmorn** expressed her opinion that it was too often to run the meeting of National Fisheries Refugia Committee quarterly for approval of the reports. She suggested that document circulation might be possible and the meeting could be occurred on 6-monthly basis. In this regard, Ms. Prulai requested the meeting for consideration.
33. **Mr. Weerasak Yingyuad** noted that the Project had been set to run on quarterly basis, nevertheless, the Project Coordinating Unit would not mind the meetings, but reports were to be submitted by quarter.
34. **Mr. Arunchai Puthcharoen**, the chairman, suggested the team to provide references of the alternative to committee meeting, and get the resolution in the next meeting.
35. **Resolution:** The committee agreed that references of the alternative to committee meeting should be provided for consideration in the next meeting.
-

ANNEX 1

AGENDA

**The First Meeting
of National Scientific and Technical Committee**

17th December 2018

Department of Fisheries, Bangkok, Thailand

- Agenda 1** Report of the Chairperson
- Agenda 2** Matters of Report
- 2.1 Notification of the Department of Fisheries No. 1130/2561 Re: Appointment of Thailand's National Scientific and Technical Committee dated 27th November 2018
 - 2.2 Overview of background of the project: Establishment and Operation of a Regional System of Fisheries Refugia in the South China Sea and Gulf of Thailand
 - 2.3 Progress of project implementation
 - 2.4 Technical information of fisheries, fisheries resources, and ecosystem in Trat and Surat Thani Provinces
- Agenda 3** Matters for Consideration
- 3.1 Project site and priority fisheries species in Trat Province
 - 3.1 Project site and priority fisheries species in Surat Thani Province
- Agenda 4** Any Other Business

ANNEX 2**LIST OF PARTICIPANTS****Thailand National Fisheries Refugia Committee**

1.	Mr. Arunchai Puthcharoen	Deputy Director-General of the Department of Fisheries	Acting Chairman
2.	Ms. Varatip Buakaew	Head of Natural Resources Department, Geo-Informatics and Space Technology Development Agency (Public Organization) (GISTDA) (represented Executive Director of GISTDA)	Committee
3.	Assoc. Prof. Shettapong Maksumpun, Ph.D. (Mr.)	Dean of the Faculty of Fisheries, Kasetsart University	Committee
4.	Mr. Chul Sinchaipanich	Inspector-General to the Department of Fisheries (represented Inspector-General-Head)	Committee
5.	Mr. Paiboon Bunliptanon	Director of Marine Fisheries Research and Development Division, Department of Fisheries	Committee
6.	Ms. Sutinee Limthammahisorn, Ph.D.	Director of Coastal Aquaculture Research and Development Division, Department of Fisheries	Committee
7.	Ms. Khunchanaporn Wuddhivorawong	Technical Officer, Senior Professional Level (Represented Director of Marine and Coastal Resources Research and Development Institute, Department of Marine and Coastal Resources)	Committee
8.	LCdr. Sansern Serirak	Director of Trat Provincial Fisheries Office, Department of Fisheries	Committee
9.	Mr. Somporn Kuasakul	Senior Fishery Officer, Surat Thani Provincial Fisheries Office, Department of Fisheries, (represented Director of the Office)	Committee
10.	Mr. Weerasak Yingyuad	Representative from Project Coordinating Unit	Committee
11.	Ms. Praulai Nootmorn	Senior Expert in Marine Fisheries, Department of Fisheries	Committee and Secretary
12.	Mr. Kumpon Loychuen	Director of the Eastern Gulf Fisheries Research and Development Center (Rayong), Department of Fisheries	Committee and Assistant Secretary

ANNEX 3

(Unofficial Translation)

Notification of the Department of Fisheries
No. 1130/1/2561
Re: Appointment of Thailand's National Fisheries Refugia Committee

The Department of Fisheries has have a cooperation for implementation of the project entitled "Establishment and Operation of a Regional System of Fisheries Refugia in the South China Sea and Gulf of Thailand" funded by Global Environmental Facility (GEF), which aim to improve management system of fisheries and critical marine habitats linkages in the South China Sea and Gulf of Thailand as well as promote sustainability of fisheries and fishing communities in the region. There are 6 countries participating in the Project, namely The Kingdom of Cambodia, Republic of Indonesia, Malaysia, Republic of the Philippines, The Socialist Republic of Vietnam, and The Kingdom of Thailand.

Whereas the committees, indicated by names, in the previous Notification, No. 340/2560, have changed their positions in their responsible offices, and as the resolution of Thailand's National Fisheries Refugia Committee Meeting on 10th October 2018 at the Department of Fisheries, Bangkok, therefore, the Notification of the Department of Fisheries No. 340/2560 Re: an Appointment of Thailand's National Fisheries Refugia Committee and Thailand's National Scientific and Technical Committee, dated 5th April 2017 shall be repealed. Thus, Thailand's National Fisheries Refugia Committee shall be appointed comprising the following members:

- | | |
|--|-------------------------|
| 1. Director-General of the Department of Fisheries, or his/her Representative | Chairman |
| 2. Senior Expert in Fisheries Management, Department of Fisheries | Vice Chairman |
| 3. Asst. Prof. Anond Snitwong Na Ayudhya, Ph.D., Executive Director of the Geo-Informatics and Space Technology Development Agency (Public Organization) | Committee |
| 4. Dean of the Faculty of Fisheries, Kasetsart University | Committee |
| 5. Inspector-General-Head to the Department of Fisheries | Committee |
| 6. Director of Marine Fisheries Research and Development Division, Department of Fisheries | Committee |
| 7. Director of Coastal Aquaculture Research and Development Division, Department of Fisheries | Committee |
| 8. Director of Marine and Coastal Resources Research and Development Institute, Department of Marine and Coastal Resources | Committee |
| 9. Special Expert in the Research of Resources and Environment in Marine and Coastal Ecosystem, Department of Marine and Coastal Resources | Committee |
| 10. Director of Trat Provincial Fisheries Office, Department of Fisheries | Committee |
| 11. Director of Surat Thani Provincial Fisheries Office, Department of Fisheries | Committee |
| 12. Representative from Project Coordinating Unit | Committee |
| 13. Senior Expert in Marine Fisheries, Department of Fisheries | Committee and Secretary |

14. Director of the Eastern Gulf Fisheries Research and Development Center (Rayong), Department of Fisheries Committee and Assistant Secretary

Terms of Reference of Thailand's National Fisheries Refugia Committee are:

1. Approve work plan and financial plan for the implementation of the Project entitled "Establishment and Operation of a Regional System of Fisheries Refugia in the South China Sea and Gulf of Thailand" in Thailand;
2. Approve quarterly progress report, expenditure report, costed work plan, and cash advance request;
3. Approve annual progress reports for submission to Project Coordinating Unit;
4. Assume overarching responsibility for the Project execution of the Department of Fisheries regarding the Letter of Agreement; and
5. Take the other necessary actions for the effectiveness of Project implementation in Thailand.

This Notification shall be effective from now on.

Notified on 27th November B.E. 2561 (2018)

Signed Adisorn Promthep

(Mr. Adisorn Promthep)

Director-General of the Department of Fisheries

ANNEX 4

(Unofficial Translation)

**Notification of the Department of Fisheries
No. 1130/2561****Re: Appointment of Thailand's National Scientific and Technical Committee**

The Department of Fisheries has have a cooperation for implementation of the project entitled "Establishment and Operation of a Regional System of Fisheries Refugia in the South China Sea and Gulf of Thailand" funded by Global Environmental Facility (GEF), which aim to improve management system of fisheries and critical marine habitats linkages in the South China Sea and Gulf of Thailand as well as promote sustainability of fisheries and fishing communities in the region. There are 6 countries participating in the Project, namely The Kingdom of Cambodia, Republic of Indonesia, Malaysia, Republic of the Philippines, The Socialist Republic of Vietnam, and The Kingdom of Thailand.

Whereas the committees, indicated by names, in the previous Notification, No. 340/2560, have changed their positions in their responsible offices, and as the resolution of Thailand's National Fisheries Refugia Committee Meeting on 10th October 2018 at the Department of Fisheries, Bangkok, therefore, the Notification of the Department of Fisheries No. 340/2560 Re: an Appointment of Thailand's National Fisheries Refugia Committee and Thailand's National Scientific and Technical Committee, dated 5th April 2017 shall be repealed. Thus, Thailand's National Scientific and Technical Committee shall be appointed comprising the following members:

- | | |
|--|---------------|
| 1. Senior Expert in Fisheries Management, Department of Fisheries | Chairman |
| 2. Director of Marine Fisheries Research and Development Division,
Department of Fisheries | Vice Chairman |
| 3. Ms.Praulai Nootmorn, Senior Expert in Marine Fisheries, Department of
Fisheries (Thailand's National Focal Point) | Committee |
| 4. Special Expert in the Research of Resources and Environment in Marine and
Coastal Ecosystem, Department of Marine and Coastal Resources | Committee |
| 5. Director of the Central Gulf Fisheries Research and Development Center
(Chumphon), Department of Fisheries | Committee |
| 6. Director of the Southern Gulf Fisheries Research and Development Center
(Songkhla), Department of Fisheries | Committee |
| 7. Director of the Marine and Coastal Resources Research and Development
Center the Eastern Gulf of Thailand, Department of Marine and Coastal
Resources | Committee |
| 8. Director of the Marine and Coastal Resources Research and Development
Center the Central Gulf of Thailand, Department of Marine and Coastal
Resources | Committee |
| 9. Ms. Penchan Laongmanee, Lecturer of the Faculty of Marine Technology,
Burapha University, Chanthaburi Campus | Committee |
| 10. Asst. Prof. Dr. Amonsak Sawusdee, Head of the Natural Resources and
Environmental Technology Program, Walailak University | Committee |
| 11. Director of Geo-informatics Applications and Service Office, Geo-
Informatics and Space Technology Development Agency (Public Organization) | Committee |

12. Mr. Weerachai Phetsut, Instructor of Science Program in Fisheries, Maejo University at Chumphon	Committee
13. Technical Officer from Southeast Asian Fisheries Development Center	Committee
14. Director of the Eastern Gulf Fisheries Research and Development Center (Rayong), Department of Fisheries	Committee and Secretary
15. Mr. Udom Khrueniam, Technical Officer of the Eastern Gulf Fisheries Research and Development Center (Rayong), Department of Fisheries	Committee and Assistant Secretary
16. Mr. Jirawut Kampirote, Technical Officer of the Central Gulf Fisheries Research and Development Center (Chumphon), Department of Fisheries	Committee and Assistant Secretary

Terms of Reference of Thailand's National Scientific and Technical Committee are:

1. Support data, evaluation, review, co-ordination, and advice, from a scientific and technical perspective, for the implementation of the Project entitled "Establishment and Operation of a Regional System of Fisheries Refugia in the South China Sea and Gulf of Thailand" in Thailand;
2. Provide the Thailand's National Fisheries Refugia Committee with technical guidance and suggestions;
3. Review technical information and progress reports from Site-Based Fisheries Refugia Management Boards regarding the purpose of the Project;
4. Facilitate co-operation with relevant organizations to enhance the comprehensive and accurate technical information for managing fisheries refugia; and
5. Take the other necessary technical actions for the effectiveness of Project implementation in Thailand.

This Notification shall be effective from now on.

Notified on 27th November B.E. 2561 (2018)

Signed Adisorn Promthep

(Mr. Adisorn Promthep)

Director- General of the Department of

Fisheries

ANNEX 5

PROGRESS OF THE PROJECT IMPLEMENTATION



Regional Main Activities

2010: Project Identification Form (PIF) proposed

2013: Project approved

- Overall budget from GEF	3,000,000	US\$
- Budget allocated for Thailand	248,000	US\$
- Thailand co-finance	913,688	US\$
Co-finance in kind	783,888	US\$
Co-finance in cash	129,800	US\$

2014, Jan: Regional Initiation Workshop for the Preparatory Phase of the SEAFDEC/UNEP/GEF/Project (in Thailand)

2014, Feb: Institutional Stakeholder Consultation Workshops (in each participating country)



Regional Main Activities

2014, May: Regional Validation Workshop for the Preparatory Phase of the SEAFDEC/UNEP/GEF/Project (in Indonesia)

2016, Nov: Regional Inception Workshop for the project Establishment and Operation of a Regional System of Fisheries Refugia in the South China Sea and Gulf of Thailand (in Thailand)

2018, Sep: The First Regional Scientific and Technical Committee Meeting (in Thailand)

2018, Dec: The First Meeting of the Project Steering Committee



Thailand Main Activities

2017, Mar 31st: Letter of Agreement (LOA) between SEAFDEC and DOF signed

2017, Apr 5th: "Thailand's National Fisheries Refugia Committee" and Thailand's National Scientific and Technical Committee appointed

2017, Jun 21st: Budget transferred to DOF (39,210 US\$)

2017, Jul: Kick off the Project implementation in Thailand

2017, Jul
Stakeholder Initiation Meeting at Samui Island, Surat Thani Province

- To survey for initial baseline data of small scale fisheries and fishermen in Samui Island



SEAFDEC/UNEP/GEF/Thailand/01
STAKEHOLDER INITIATION MEETING AT KOH SAMUI,
ON 19-20 JULY 2017 IN SURAT THANI PROVINCE

2017, Aug
Stakeholder Initiation Meeting at Trat Province

- To introduce the Fisheries Refugia Project to the stakeholders from both public and private sectors
- To seek for the opinion of suitable key species and project site in the area
 - Indo-Pacific mackerel
 - Fourfinger threadfin (Pla Ku Rao)
 - White pomfret
 - Initially agreed for Chong Chang to be the Fisheries Refugia site
- To seek for the nomination of Site-Based Management Board

SEAFDEC/UNEP/GEF/Thailand/02
STAKEHOLDER INITIATION MEETING
ON 14 AUGUST 2017 IN TRAT PROVINCE

2017, Sep
Stakeholder Consultation Meeting at Trat Province

- To inform to the stakeholders from both public and private sectors the Notification of the Department of Fisheries on the Appointment of National Fisheries Refugia Committee and National Scientific and Technical Committee
- To consider the membership of Site-Based Management Board in Trat Province

SEAFDEC/UNEP/GEF/Thailand/03
STAKEHOLDER CONSULTATION
ON 7 SEPTEMBER 2017 IN TRAT PROVINCE

2017, Sep
Stakeholder Consultation Meeting at Surat Thani Province

- To introduce the Fisheries Refugia Project to the stakeholders from both public and private sectors
- To inform to the stakeholder from both public and private sectors the Notification of the Department of Fisheries on the Appointment of National Fisheries Refugia Committee and National Scientific and Technical Committee
- To consider the membership of Site-Based Management Board in Surat Thani Province

SEAFDEC/UNEP/GEF/Thailand/04
STAKEHOLDER CONSULTATION
ON 15 SEPTEMBER 2017 IN SURAT THANI PROVINCE

2018, Feb
Stakeholder Consultation Workshop in Trat Province

- To introduce the Fisheries Refugia Project to the fishermen, local stakeholders, NGOs, and relevant public organizations
- To overview the marine fisheries resources and fisheries in Trat Province
- To discuss on the following items
 - Programs/projects/activities related to marine resource sustainable development in Trat Province
 - Priority fisheries and threats to the life cycles of important species
 - Stakeholder analysis
 - Collation of baseline information and data related to fish life cycles and critical habitat linkage
 - Planning of socio-economic survey in fisheries refugia site
 - Communication and media

SEAFDEC/UNEP/GEF/Thailand/05
Stakeholder Consultation Workshop
Trat Province, Thailand, 27-28 February 2018

2018, Feb
Stakeholder Consultation Workshop in Trat Province (cont.)



SEAFDEC/UNEP/GEF/Thailand/05
Stakeholder Consultation Workshop
Trat Province, Thailand, 27-28 February 2018

2018, Feb
Stakeholder Consultation Workshop in Trat Province (cont.)

Result of the workshop

- Programs/projects/activities related to marine resource sustainable development in Trat Province were provided
- Influence and interest of each stakeholder were analyzed
- Priority species were proposed as follows:
 - **Blue swimming crab**
 - **Mantis shrimp**
 - **Indo-Pacific mackerel**
 - **Banana shrimp**
 - **Indian squid**
 - **Bigfin reef squid**
 - **Horseshoe crab**



SEAFDEC/UNEP/GEF/Thailand/05
Stakeholder Consultation Workshop
Trat Province, Thailand, 27-28 February 2018

2018, Apr
Stakeholder Consultation Workshop in Samui Island, Surat Thani Province

- To introduce the Fisheries Refugia Project to the fishermen, local stakeholders, NGOs, and relevant public organizations
- To overview the marine fisheries resources and fisheries in Samui Island
- To discuss on the following items
 - Programs/projects/activities related to marine resource sustainable development in Samui Island
 - Priority fisheries and threats to the life cycles of important species
 - Stakeholder analysis
 - Collation of baseline information and data related to fish life cycles and critical habitat linkage
 - Planning of socio-economic survey in fisheries refugia site
 - Communication and media

SEAFDEC/UNEP/GEF/Thailand/06
Stakeholder Consultation Workshop
Samui Island, Surat Thani Province, Thailand, 25-26 April 2018

2018, Feb
Stakeholder Consultation Workshop in Samui Island (cont.)



SEAFDEC/UNEP/GEF/Thailand/06
Stakeholder Consultation Workshop
Samui Island, Surat Thani Province, Thailand, 25-26 April 2018

2018, Feb
Stakeholder Consultation Workshop in Samui Island (cont.)

Result of the workshop

- Programs/projects/activities related to marine resource sustainable development in Samui Island were provided
- Influence and interest of each stakeholder were analyzed
- Priority species were proposed as follows:
 - Blue swimming crab
 - Shrimp
 - Indo-Pacific mackerel
 - Giant sea catfish (Pla Riew Kiew)
 - Talang queenfish (Pla Sara)
 - Barracuda (Pla Sark)
 - Spanish mackerel
 - White pomfret
 - Sea turtle, Dolphin, Giant clam, Sea cucumber



SEAFDEC/UNEP/GEF/Thailand/06
Stakeholder Consultation Workshop
Samui Island, Surat Thani Province, Thailand, 25-26 April 2018

2018, Aug
The First Meetings of NFRC and NSTC in Bangkok

- To overview background of Fisheries Refugia Project to the National Fisheries Refugia Committee, and the National Scientific and Technical Committee
- To introduce to the Committees the memberships of "National Fisheries Refugia Committee", "National Scientific and Technical Committee", and "Site-Based Management Boards"
- To report to the Committees the following items:
 - Work plan and budget
 - Preliminary implementation
 - Priority fisheries species
 - Baseline information to be collected



SEAFDEC/UNEP/GEF/Thailand/07
The First Meetings of Thailand National Fisheries Refugia Committee
and Thailand Scientific and Technical Committee
22 August 2018, Bangkok, Thailand

2018, Aug
The First Meetings of NFRC and NSTC in Bangkok (cont.)

Resolution of the meeting

- Intensive scientific and technical information are to be well-prepared under National Scientific and Technical Committee consultation for accurate-defined areas prior to the next proceeding
- The committee members are to be defined by their positions unless any members' names are necessary. Lists of members and TORs of all the Committees are to be amended and proposed to the next meeting for consideration
- Priority/target species are to be considered and defined via National Scientific and Technical Committee consultation on the basis of area-based scientific information
- Data collection is to be scoped on the basis of Project objectives and work plan which would be the key factors for Project achievement

SEAFDEC/UNEP/GEF/Thailand/07
The First Meetings of Thailand National Fisheries Refugia Committee
and Thailand Scientific and Technical Committee
22 August 2018, Bangkok, Thailand

2018, Oct
Consultation Meeting for Project Implementation at DOF

- To prepare some inputs for the 2nd National Fisheries Refugia Committee (NFRC) meeting including:
 - Priority species and actual sites for Project implementation
 - Memberships and terms of reference (TOR) of Project committees
 - Meeting allowances and travel expenses for committee members



SEAFDEC/UNEP/GEF/Thailand/08
Consultation Meeting of the Project Implementation
5th October 2018, Bangkok, Thailand

2018, Oct
Consultation Meeting for Project Implementation at DOF (cont.)

Resolution of the meeting

- Priority species and Project sites
 - Trat Province:
 - Priority species: Indo-Pacific mackerel
 - Project site: Trat Bay to Thai-Cambodia border at Khlong Yai District
 - Surat Thani Province
 - Priority species: Blue swimming crab
 - Project site: Ban Don Bay

SEAFDEC/UNEP/GEF/Thailand/08
Consultation Meeting of the Project Implementation
5th October 2018, Bangkok, Thailand

2018, Oct
Consultation Meeting for Project Implementation at DOF (cont.)

Resolution of the meeting (cont.)

- NFRC is chaired by Director General of the Department of Fisheries and composes of the senior executive representatives from the following organization:
 - Department of Fisheries
 - Department of Marine and Coastal Resources
 - Kasetsart University
 - GISTDA
- NSTC is chaired by Senior Expert in Fisheries Management of the Department of Fisheries and composes of the of senior technical representatives from the following organization:
 - Department of Fisheries
 - Department of Marine and Coastal Resources
 - Kasetsart U., Burapha U., Walailak U.

SEAFDEC/UNEP/GEF/Thailand/08
Consultation Meeting of the Project
Implementation
5th October 2018, Bangkok, Thailand

2018, Oct
The Second Meetings of NFRC in Bangkok

- To propose **Indo-Pacific mackerel** to be the priority species in Trat Province and **blue swimming crab** to be the priority species in Surat Thani Province
- To propose the revised memberships and TORs of NFRC and NSTC for consideration
- To propose quarterly progress report, expenditure report, costed work plan, and cash advance request for approval

SEAFDEC/UNEP/GEF/Thailand/09
The Second Meetings of Thailand National Fisheries Refugia Committee
10th October 2018, Bangkok, Thailand

2018, Oct
The Second Meetings of NFRC in Bangkok (cont.)

Resolution of the meeting

- Priority fisheries species and project sites are to be considered and defined by National Scientific and Technical Committee
- 1) Senior Expert in Resources and Environmental Research in Marine and Coastal Ecosystem, Department of Marine and Coastal Resources, and 2) representative from Project Coordinating Unit, are to be added as the members of **National Fisheries Refugia Committee**
- 1) Senior Expert in Resources and Environmental Research in Marine and Coastal Ecosystem, Department of Marine and Coastal Resources, 2) Lecturer from Mae Joe University, Chumphon Campus, 3) Representative from GISTDA, and 4) Researcher from SEAFDEC are to be added as the members of **National Scientific and Technical Committee**
- quarterly progress report, expenditure report, costed work plan, and cash advance request are approved

SEAFDEC/UNEP/GEF/Thailand/09
The Second Meetings of Thailand National Fisheries Refugia Committee
10th October 2018, Bangkok, Thailand

2018, Nov
Consultation Meeting for Project Implementation at DOF

- to discuss on technical information available for defining priority species and fisheries refugia sites in Trat and Surat Thani Provinces

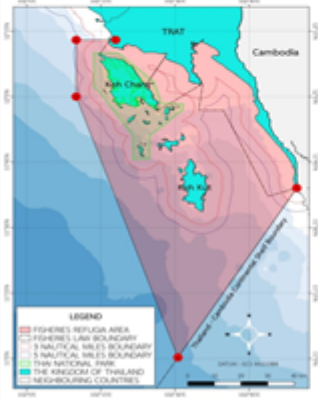



SEAFDEC/UNEP/GEF/Thailand/10
Consultation Meeting of the Project Implementation
13rd November 2018, Bangkok, Thailand

2018, Nov
 Consultation Meeting for Project Implementation at DOF (cont.)

Resolution of the meeting

- Priority species and Project site in Trat Province:
 - Priority species: Indo-Pacific mackerel

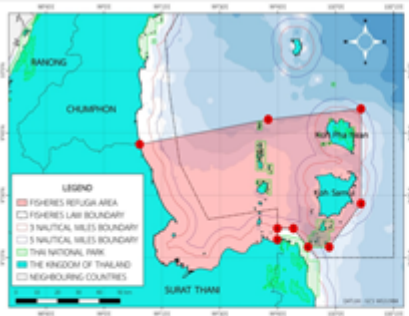

- Project site: the coastal area of Trat Province, including Chang and Kud Islands

SEAFDEC/UNEP/GEF/Thailand/10
 Consultation Meeting of the Project Implementation
 13rd November 2018, Bangkok, Thailand

2018, Nov
 Consultation Meeting for Project Implementation at DOF (cont.)

Resolution of the meeting

- Priority species and Project site in Surat Thani Province:
 - Priority species: Blue swimming crab

- Project site: coastal area of Surat Thani Province, including Samui and Pha Ngan Islands

SEAFDEC/UNEP/GEF/Thailand/10
 Consultation Meeting of the Project Implementation
 13rd November 2018, Bangkok, Thailand

2018, Dec
The First Meeting of NSTC at DOF, Bangkok

- To overview background of Fisheries Refugia Project to the National Scientific and Technical Committee
- To report to the Committee the following items:
 - ❖ Progress of the project implementation: national and regional levels
 - ❖ Technical information of fisheries, marine resources, environment, and ecosystem related to Indo-Pacific mackerel in Trat Province and blue swimming crab in Surat Thani Province
- To discuss on the appropriate fisheries refugia boundary and priority species in Trat and Surat Thani Provinces



SEAFDEC/UNEP/GEF/Thailand/11
The First Meetings of Thailand's National Scientific and Technical Committee
17 December 2018, Bangkok, Thailand

2018, Dec
The First Meeting of NSTC at DOF, Bangkok (cont.)

Resolution of the meeting

- Priority species and Project site in Trat Province:



- Priority species: Indo-Pacific mackerel



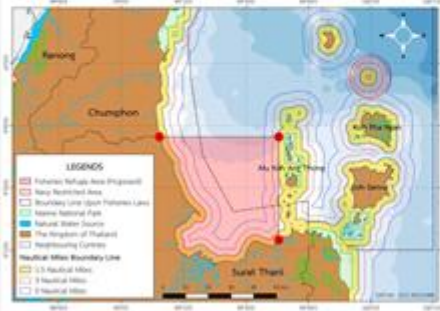
- Project site: the coastal area of Trat Province, including Chang and Kud Islands

SEAFDEC/UNEP/GEF/Thailand/11
The First Meetings of Thailand's National Scientific and Technical Committee
17 December 2018, Bangkok, Thailand

2018, Dec
Consultation Meeting for Project Implementation at DOF, Bangkok (cont.)

Resolution of the meeting

- Priority species and Project site in Surat Thani Province:



- Priority species: Blue swimming crab



- Project site:
coastal area of Surat Thani Province,
including Samui and Pha Ngan Islands

SEAFDEC/UNEP/GEF/Thailand/11
**The First Meetings of Thailand's National
Scientific and Technical Committee
17 December 2018, Bangkok, Thailand**

ANNEX 10
PICTURES OF THE MEETING

