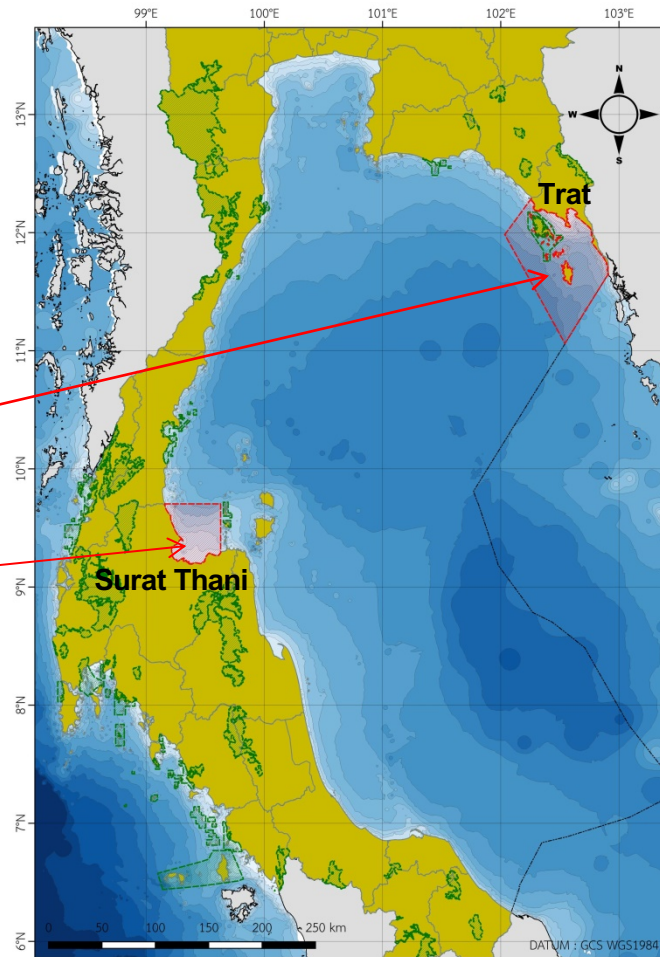
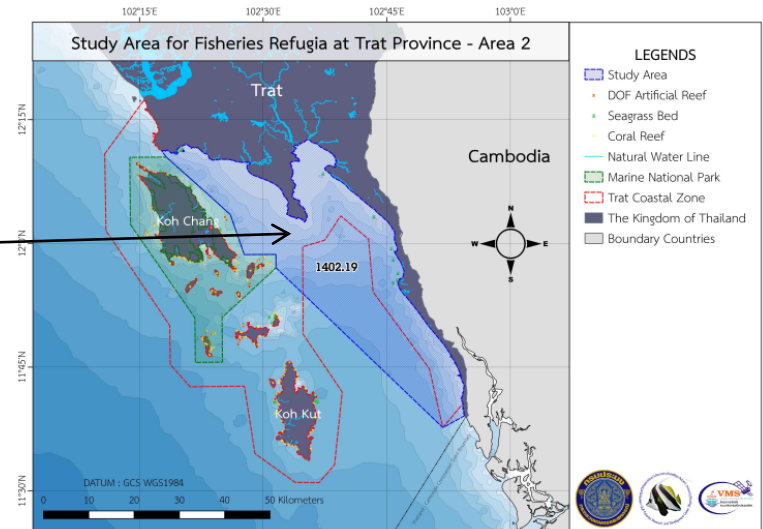
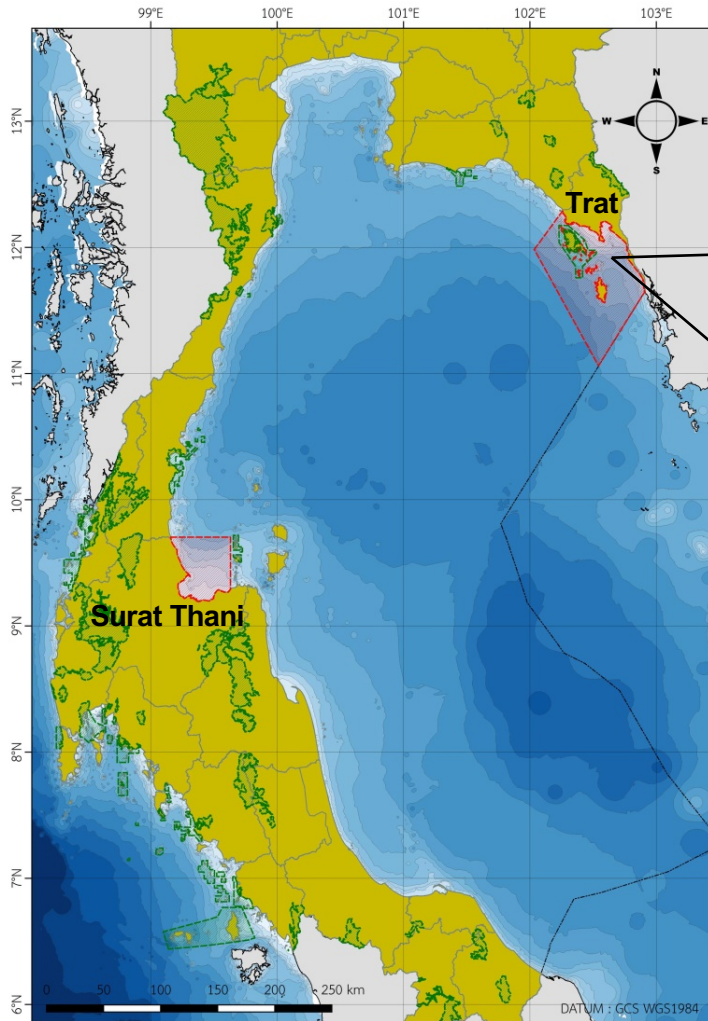


# Progress of Fisheries *Refugia* Project Implementation: Thailand



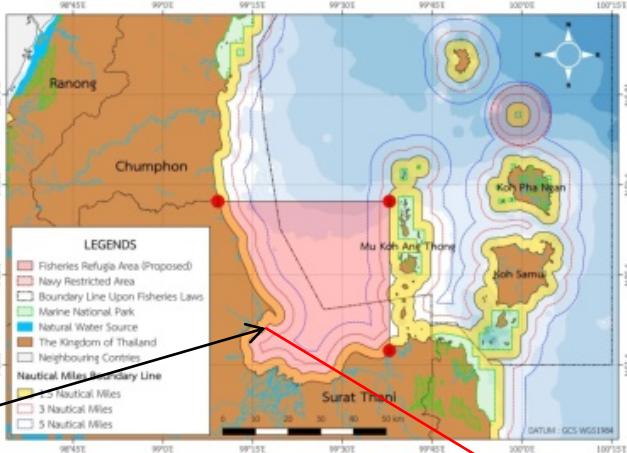
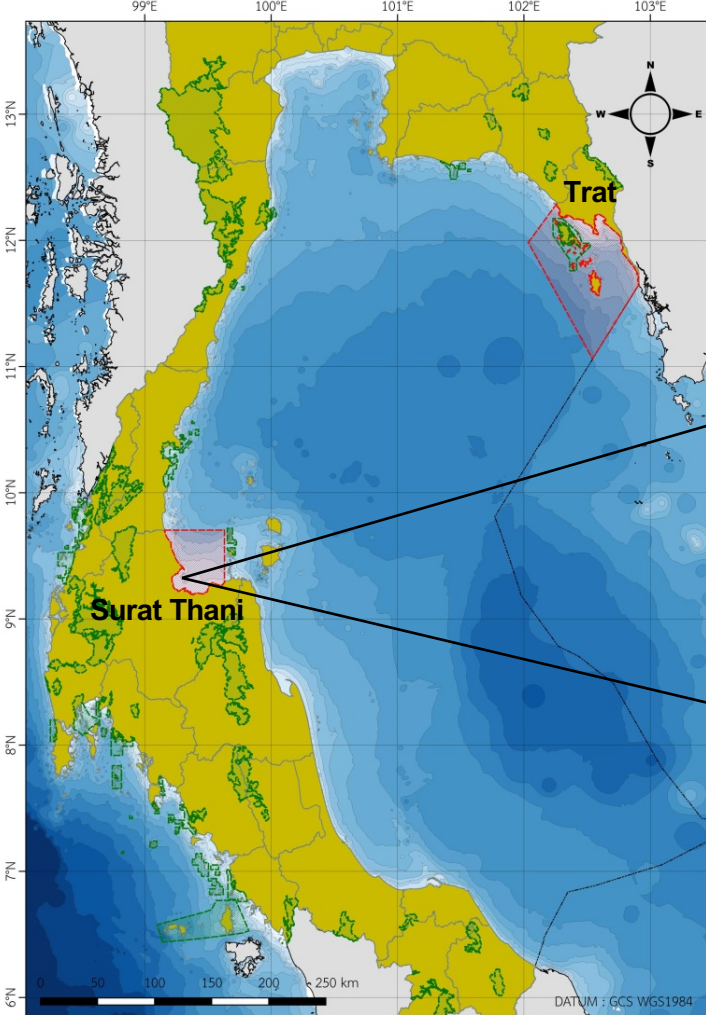
**Two Fisheries *Refugia* sites in Thailand: Trat and Surat Thani Provinces**

# Tentative Site and Target Species in Trat Province



Indo-Pacific Mackerel (Short Mackerel)  
(*Rastrelliger brachysoma*)

# Tentative Site and Target Species in Surat Thani Province



Koh Sed



Blue Swimming Crab (*Portunus pelagicus*)



**Overall Project Activities**  
**as of 31 Dec 2019:**  
**THAILAND**



## Thailand Main Activities

**2017, Apr:** Appointment of “Thailand’s National Fisheries Refugia Committee” and “Thailand’s National Scientific and Technical Committee”

**2017, Jul:** Preliminary survey on fisheries resources and fishing communities in Samui Island, Surat Thani Province

**2017, Aug:** Preliminary survey on fisheries resources and fishing communities in Chang Strait, Trat Province





## Thailand Main Activities

**2017, Sep:** Stakeholder initiation meeting in Trat Province

**2017, Sep:** Stakeholder initiation meeting in Koh Samui, Surat Thani Province

**2018, Jan:** Appointment of “Site-Based Fisheries Refugia Management Board in Samui Island of Surat Thani Province”

**2018, Mar:** Appointment of “Site-Based Fisheries Refugia Management Board in Chang Strait of Trat Province”



# Thailand Main Activities

2018, Feb: Stakeholder Consultation Workshop in Trat Province







# Thailand Main Activities

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





## Thailand Main Activities

**2018, Aug:** 1<sup>st</sup> Meeting of National Fisheries Refugia Committee at DOF, Bangkok



**2018, Oct:** 1<sup>st</sup> Consultation Meeting for Project Implementation at DOF, Bangkok



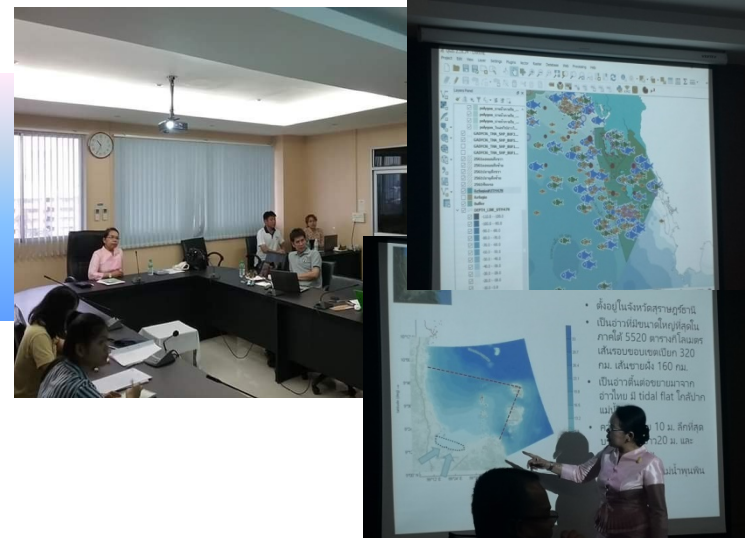


## Thailand Main Activities

**2018, Oct:** 2<sup>nd</sup> Meeting of National Fisheries Refugia Committee at DOF, Bangkok



**2018, Nov:** 2<sup>nd</sup> Consultation Meeting for Project Implementation at DOF, Bangkok





## Thailand Main Activities

**2018, Nov:** Revisions of “Thailand’s National Fisheries Refugia Committee” and “Thailand’s National Scientific and Technical Committee”

**2018, Dec:** 1<sup>st</sup> Meeting of National Scientific and Technical Committee at DOF, Bangkok



**2019, Jan:** 3<sup>rd</sup> Meeting of National Fisheries Refugia Committee at DOF, Bangkok





## Thailand Main Activities

**2019, Jan:** 3<sup>rd</sup> Consultation Meeting for Project Implementation at Surat Thani Province

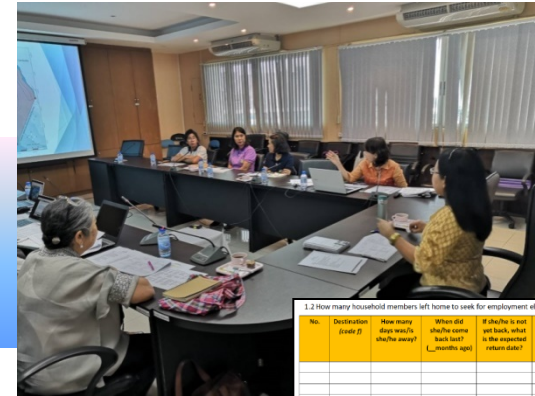


**2019, Feb:** 4<sup>rd</sup> Consultation Meeting for Project Implementation at Trat Province



# Thailand Main Activities

2019, Feb: 5<sup>th</sup> Consultation Meeting for Project Implementation at DOF, Bangkok



1.2 How many household members left home to seek for employment elsewhere?

No.	Destination (code #)	How many days went to che/che away?	When did she/he come back last? (____month, year)	If she/he is not yet back, what is the expected return date?	What did she/he use the money for which activities did the household use the money? (code #)

Code 7  
 1= another village in the region  
 2= neighboring region  
 3= any other region  
 4= capital city  
 5= another country

Code 8  
 1= tourism  
 2= goods  
 3= others, specify

Code 9  
 1= farming inputs  
 2= fishing inputs  
 3= purchase of food  
 4= education  
 5= others, specify

1.3 How many years are you residing in your area? \_\_\_\_\_ years.  
 1.4 If less than five (5) years of residence, indicate place of origin.

2019, Mar: 6<sup>th</sup> Consultation Meeting for Project Implementation at DOF, Bangkok

Annex 13 - QUARTERLY CUMULATIVE STATEMENT AND UNAUDITED ORGANIZATION REPORT (US\$)

Consolidated Accounts of a Regional System of Fisheries of the SEAF-CPA Area and part of Thailand

Project No. \_\_\_\_\_

Budget	FY 2018		FY 2019		Total	Commitment	Total	Commitment	Total	Commitment
	Current	Uncommitted	Actual	Uncommitted						
1,540	1,540	0	1,540	0	3,080	0	3,080	0	3,080	0
238,802.24	238,802.24	0	238,802.24	0	477,604.48	0	477,604.48	0	477,604.48	0
51,721.74	51,721.74	0	51,721.74	0	103,443.48	0	103,443.48	0	103,443.48	0
3,810.00	3,810.00	0	3,810.00	0	7,620.00	0	7,620.00	0	7,620.00	0
3,720.00	3,720.00	0	3,720.00	0	7,440.00	0	7,440.00	0	7,440.00	0
20,000.00	20,000.00	0	20,000.00	0	40,000.00	0	40,000.00	0	40,000.00	0
100.00	100.00	0	100.00	0	200.00	0	200.00	0	200.00	0
20,370.00	20,370.00	0	20,370.00	0	40,740.00	0	40,740.00	0	40,740.00	0
142.27	142.27	0	142.27	0	284.54	0	284.54	0	284.54	0
54,200.00	54,200.00	0	54,200.00	0	108,400.00	0	108,400.00	0	108,400.00	0
368,602.24	368,602.24	0	368,602.24	0	737,204.48	0	737,204.48	0	737,204.48	0

SEAF/CPA USE ONLY - PROJECT FOR ADEQUATE FUNDING

2017-2018

2019-2020

Page 6 BUDGET LINE BASED REPORT (US\$)







## Thailand Main Activities

**2019, Apr:** 1<sup>st</sup> Meeting of Site-Based Fisheries Management Board in Trat Province



**2019, Apr:** 1<sup>st</sup> Meeting of Site-Based Fisheries Management Board in Surat Thani Province







## Thailand Main Activities

**2019, Jun:** 5<sup>th</sup> Meeting of National Fisheries Refugia Committee at DOF, Bangkok



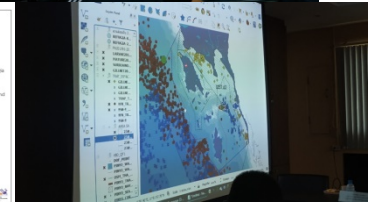
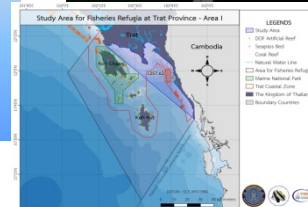
**2019, Oct:** 6<sup>th</sup> Meeting of National Fisheries Refugia Committee at DOF, Bangkok



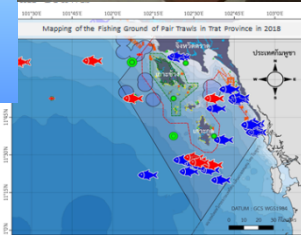


# Thailand Main Activities

**2019, Nov:** 2<sup>nd</sup> Meeting of National Scientific and Technical Committee at DOF, Bangkok



**2019, Dec:** 2<sup>nd</sup> Meeting of Site-Based Fisheries Management Board in Trat Province

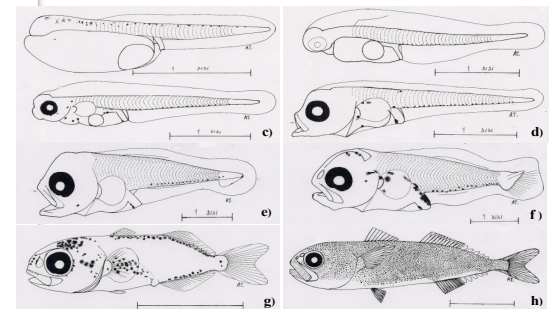
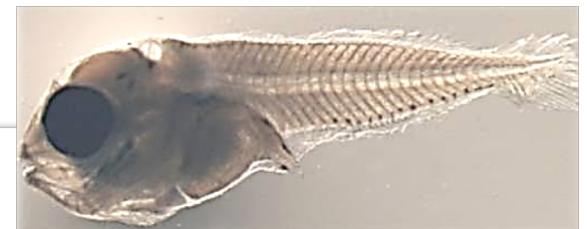




# **Activities for In-Catch Co-finance**

# 2017-2018 Activity for In-Catch Co-finance

## Investigation on life cycle of Indo-Pacific mackerel in the Gulf of Thailand



ภาพที่ 3 พัฒนาการของลูกปลา (*Rastrelliger brachysoma*) a) ระยะแรกเกิด; b) อายุ 12 ชั่วโมง; c) อายุ 1 วัน; d) อายุ 3 วัน; e) อายุ 7 วัน; f) อายุ 9 วัน; g) อายุ 15 วัน; h) อายุ 23 วัน (ภาพ: อภิชาติ เดิมวิชากร)

# 2018

## Activities for In-Catch Co-finance

1. Study on stock assessment in the Gulf of Thailand (Catch per Unit of Effort: CPUE)



# 2018 Activities for In-Catch Co-finance

## 2. Survey on fisheries resources for assessment of the Maximum Sustainable Yield (MSY) in the Gulf of Thailand



# 2019

## Activity for In-Catch Co-finance

Study on fishery biology, socio-economics, and ecosystems which related to the Blue Swimming Crab Fishery Improvement Program (FIP) in Ban Don Bay of Surat Thani Province

ลำดับ	จังหวัด	ตำบล	วันที่	เดือน	ปี	จำนวนจับ	ราคาขาย	รวมมูลค่า	จำนวนจับ	ราคาขาย	รวมมูลค่า	จำนวนจับ	ราคาขาย	รวมมูลค่า	จำนวนจับ	ราคาขาย	รวมมูลค่า
1	นครศรีธรรมราช	ท่าศาลา	1	มกราคม	2560	1000	10.00%	10000.00	12	10.00%	120.00	15	35000.00	5250.00	37	9200	34040.00
2	นครศรีธรรมราช	ท่าศาลา	2	มกราคม	2560	1000	10.00%	10000.00	12	10.00%	120.00	15	35000.00	5250.00	37	9200	34040.00
3	นครศรีธรรมราช	ท่าศาลา	3	มกราคม	2560	1000	10.00%	10000.00	12	10.00%	120.00	15	35000.00	5250.00	37	9200	34040.00
4	นครศรีธรรมราช	ท่าศาลา	4	มกราคม	2560	1000	10.00%	10000.00	12	10.00%	120.00	15	35000.00	5250.00	37	9200	34040.00
5	นครศรีธรรมราช	ท่าศาลา	5	มกราคม	2560	1000	10.00%	10000.00	12	10.00%	120.00	15	35000.00	5250.00	37	9200	34040.00
6	นครศรีธรรมราช	ท่าศาลา	6	มกราคม	2560	1000	10.00%	10000.00	12	10.00%	120.00	15	35000.00	5250.00	37	9200	34040.00
7	นครศรีธรรมราช	ท่าศาลา	7	มกราคม	2560	1000	10.00%	10000.00	12	10.00%	120.00	15	35000.00	5250.00	37	9200	34040.00
8	นครศรีธรรมราช	ท่าศาลา	8	มกราคม	2560	1000	10.00%	10000.00	12	10.00%	120.00	15	35000.00	5250.00	37	9200	34040.00
9	นครศรีธรรมราช	ท่าศาลา	9	มกราคม	2560	1000	10.00%	10000.00	12	10.00%	120.00	15	35000.00	5250.00	37	9200	34040.00
10	นครศรีธรรมราช	ท่าศาลา	10	มกราคม	2560	1000	10.00%	10000.00	12	10.00%	120.00	15	35000.00	5250.00	37	9200	34040.00
11	นครศรีธรรมราช	ท่าศาลา	11	มกราคม	2560	1000	10.00%	10000.00	12	10.00%	120.00	15	35000.00	5250.00	37	9200	34040.00
12	นครศรีธรรมราช	ท่าศาลา	12	มกราคม	2560	1000	10.00%	10000.00	12	10.00%	120.00	15	35000.00	5250.00	37	9200	34040.00





**Overall Implementation Results  
as of 31 Dec 2019: THAILAND  
(by Components)**





## Component 1:

Identification and management of fisheries and critical habitat linkages at 2 priority fisheries *refugia* in Thailand

- ❖ Conducted a review of existing information and data on fisheries and coastal habitats, including needs at fisheries *refugia* sites in **Trat and Surat Thani**
- ❖ Conducted consultation workshops to secure community and fishermen support in information and data collection in **Trat and Surat Thani**
- ❖ designed and conducted site-based surveys to produce fisheries and habitat profile reports for 2 sites: **Trat and Surat Thani**
- ❖ Conducted fisheries surveys at **Trat** site



## Component 1:

Identification and management of fisheries and critical habitat linkages at 2 priority fisheries *refugia* in Thailand

- ❖ Conducted consultations to draft maps of fisheries *refugia* for short mackerel in **Trat** and blue swimming crab in **Surat Thani**
- ❖ Prepared map for *refugia* in **Trat** and elicit fishermen input to boundary delineation through consultation
- ❖ Conducted assessment of environmental and social impacts of designation of site as *refugia* in **Trat**
- ❖ Conducted consultation to identify key threats to fisheries *refugia* site and identify management measures in **Trat**



## Component 2:

Improving the management of critical habitats for fish stocks of transboundary significance via national actions to strengthen the enabling environment and knowledge-base for fisheries refugia management in Thailand

- ❖ Identified and documented key threats from fishing and the environment to fish stock and critical habitat linkages in **Trat** and **Surat Thani**
- ❖ Compiled information and data derived from abundance surveys for short mackerel in **Trat**
- ❖ Compiled information and data derived from surveys on size-frequency of short mackerel in **Trat**
- ❖ Compiled information and data on landings of short mackerel in **Trat**



## Component 2:

Improving the management of critical habitats for fish stocks of transboundary significance via national actions to strengthen the enabling environment and knowledge-base for fisheries refugia management in Thailand

- ❖ Prepared an information of fish eggs and larvae samples of short mackerel collected from **Trat** waters

## Component 3:

Information Management and Dissemination in support of national-level implementation of the fisheries *refugia* concept in Thailand

- ❖ Captured best practices in the establishment and operation of fisheries *refugia* (for short mackerel and blue swimming crab)



## Component 4:

National coordination for integrated fish stock and critical habitat management in Thailand

- ❖ Developed and agreed ToR, membership & operational rules for National Fisheries *Refugia* Committee (NFRC)
- ❖ Established and convened quarterly meetings of NFRC
- ❖ NFRC reviewed and endorsed quarterly work plans and progress and financial reports, including tracking of the progress of the project
- ❖ Established and convened meetings of the National Scientific and Technical Committee



## Component 4:

National coordination for integrated fish stock and critical habitat management in Thailand

- ❖ Provided technical and scientific inputs to planning of activities in components 1, 2 and 3
- ❖ Reviewed governance arrangements at **Trat** and **Surat Thani** sites to identify required ToR and membership of site-based management boards, including links to other local planning bodies
- ❖ Established and convened meetings of site-based management boards in **Trat** and **Surat Thani**

