



**PROJECT DOCUMENT
 ACHIEVEMENTS FOR YEAR 2019
 AND
 PROPOSED ACTIVITY FOR YEAR 2020**

Project id: 0120160109			
Program Categories:	Project under the ASEAN-SEAFDEC FCG/ASSP Mechanism		
Project Title:	Establishment and Operation of a Regional System of Fisheries <i>Refugia</i> in the South China Sea and Gulf of Thailand		
Program Thrust:	III	Total Duration:	2016-2020
Lead Department:	TD	Lead Country:	NONE
Donor/Sponsor:	Global Environment Facility	Total Donor Budget: (Co-finance Budget)	USD 3,000,000 (USD 13,717,850)
Project Partner:	United Nations Environment	Budget for 2020:	USD 800,430.00
Project Director:	Somboon Siriraksophon (since July 2018)	Involved Country	Cambodia, Indonesia, Malaysia, Philippines, Thailand and Viet Nam

PART I: OVERALL PROJECT DESCRIPTION

1. Brief Project Description

The longer-term goals of this project are to contribute to:

- Improved integration of habitat and biodiversity conservation considerations in the management of fisheries in the South China Sea and Gulf of Thailand;
- Improved national management of the threats to fish stock and critical habitat linkages within fisheries *refugia*; and,
- Enhanced uptake of good practice in integrating fisheries management and biodiversity conservation in the design and implementation of regional and national fisheries management systems.

The medium-term objectives align with those of the fisheries component of the Strategic Action Programme for South China Sea which are to:

- Build the resilience of Southeast Asian fisheries to the effects of high and increasing levels of fishing effort;
- Improve the understanding among stakeholders, including fisherfolk, scientists, policy-makers, and fisheries managers, of ecosystem and fishery linkages as a basis for integrated fisheries and ecosystem/habitat management; and
- Build the capacity of fisheries departments/ministries to engage in meaningful dialogue with the environment sector regarding the improvement of fisheries and management of interactions between fisheries and critical marine habitats.

This specific project objective is *‘to operate and expand the network of fisheries refugia in the South China Sea and Gulf of Thailand for the improved management of fisheries and critical marine habitats linkages in order to achieve the medium and longer-term goals of the fisheries component of the Strategic Action Programme for the South China Sea’*, including:

- By 2020, to have established a regional system of a minimum of fourteen *refugia* for the management of priority transboundary, fish stocks and endangered species; and

- By 2020, to have prepared and implemented fisheries management systems in the identified priority *refugia* based on and consistent with, the ASEAN SEAFDEC Regional Guidelines for Responsible Fisheries in Southeast Asia.

2. Background and Justification

The South China Sea is a global center of shallow water marine biological diversity that supports significant fisheries that are important to the food security and export income of Southeast Asian countries. These fisheries are characterized by high levels of fishing effort from the small-scale sector. Accordingly, all inshore waters of the South China Sea basin are subject to intense fishing pressure. This situation of high small-scale fishing pressure and declining fisheries resources has contributed to the adoption of unsustainable fishing methods to maintain catch and increase incomes in the short-term. Although action aimed at reducing the rate of loss of coastal habitats has been implemented by countries bordering the South China Sea, the decadal rate of loss of such habitats remains high, *e.g.*, seagrass beds (30 percent), mangroves (16 percent), and coral reefs (16 percent). This continued decline in the total area of habitats critical to the life cycles of most aquatic species, combined with the high levels of coastal community dependence on fish, has raised serious concerns for the long-term sustainability of small-scale fisheries in the region. With fish production being intrinsically linked to the quality and area of habitats and the heightened dependence of coastal communities on fish, a need exists to improve the integration of fish habitat considerations and fisheries management in the region. This project entitled “Establishment and Operation of a Regional System of Fisheries *Refugia* in the South China Sea and Gulf of Thailand” has been developed to meet this need via implementation of the fisheries component of the Strategic Action Program for the South China Sea. Key anticipated results included: establishment of operational management at 14 priority fisheries *refugia*; strengthened enabling environments for the formal designation and operational management of *refugia*; enhanced national uptake of best practices in integrating fisheries management and biodiversity conservation; and strengthened cross-sectorial coordination for integrated fisheries and environmental management. The project aligns with the inter-governmentally approved guidelines for the establishment of fisheries *refugia* that constitute part of the ASEAN SEAFDEC Regional Guidelines for Responsible Fisheries in Southeast Asia as well as recent regional policy guidance promoting the development of projects and initiatives aimed at ensuring more ecosystem-based approaches to fisheries management in the Southeast Asia region.

3. Gender Sensitivity of the Project

Yes, even though the adopted project document is not mentioned on gender-sensitivity, but the project implementation includes the importance of mainstreaming - policy and activities with regard to gender equality. Ratio of female/male participations in all national and regional activities/meetings and levels and specific occupations are recorded from Year 1 to the end of project for analyzing the impact of project plan. Training capacity in the field of gender, and gender sensitivity of training materials from the partners are used and applied for management of fisheries *refugia* in participating countries.

4. Project Overall Objectives/Targets, Outcomes, Outputs, Indicators and Activities

4.1 Targets, Outcome, Output and main Activity of the Project

Objective/Targets	Outcomes	Expected Outputs	Main Activity
1) Effective management of key threats to 14 fisheries <i>refugia</i> sites [269,500 ha],	Reduced stress on fish stocks and coastal habitats via improved national management of	<ul style="list-style-type: none"> • 14 fisheries <i>refugia</i> profile reports, including GIS maps & site characterisations, published • 14 published management 	Identification and management of fisheries and critical habitat linkages at priority fisheries

<p>including ~50 percent reduction in fishing pressure within sites at times critical to the life-cycles of fished species of transboundary significance</p>	<p>key anthropogenic threats to fisheries and critical habitat linkages in the South China Sea and Gulf of Thailand</p>	<p>plans and 24 annual reports</p> <ul style="list-style-type: none"> • Quarterly reports [224] of network meetings and activities [including list of participants and results of work] • 4 annual partnership reports 	<p><i>refugia</i> in the South China Sea and Gulf of Thailand</p>
<p>2) National and regional policy, legal and planning frameworks for demarcating boundaries and managing fisheries <i>refugia</i>, resulting in, inter alia, a 20 percent increase in small-scale fishing vessels using fishing gear and practices designed to safeguard fish stock and critical habitat linkages at priority sites</p>	<p>Increased institutional capacity in the 6 participating countries for the designation and operational management of fisheries <i>refugia</i> via the transformation of enabling environments and the generation of knowledge for planning</p>	<ul style="list-style-type: none"> • 6 published national reviews and recommendations for reforms of national, provincial and municipal regulations/ordinances for responsible fishing practices at priority <i>refugia</i> • 6 endorsed revised policies • 6 published national guidelines on establishing and operating fisheries <i>refugia</i> • 6 national reports on policy, legal and institutional aspects of <i>refugia</i> establishment and management published • Endorsed policy and executive orders, provincial/local ordinances and by-laws • 6 endorsed National Action Plan for the management of priority fisheries <i>refugia</i> and associated biodiversity • 1 endorsed Regional Action Plan for fisheries <i>refugia</i> • 96 quarterly and 24 annual reports on fish stocks and habitats published online • 6 databases online and populated with datasets • 6 national and 1 regional Geographical Information System online and populated with site-based information • Characterisations for 14 <i>refugia</i> sites accessible online • 1 modelling system online • 4 published reports of the results of demonstrations 	<p>Improving the management of critical habitats for fish stocks of transboundary significance via national and regional actions to strengthen the enabling environment and knowledge-base for fisheries <i>refugia</i> management in the South China Sea and Gulf of Thailand</p>

<p>3) National and regional systems for knowledge management and sharing, including the development of indicator sets and standardized statistics to guide the replication, scaling-up and mainstreaming of good practices in the use of fisheries <i>refugia</i> as a spatial planning tool</p>	<p>Strengthened knowledge management and information sharing and access for enhanced uptake of good practice in integrating fisheries management and biodiversity conservation in the design and implementation of fisheries and environmental management systems, including Marine Spatial Planning</p>	<ul style="list-style-type: none"> • 146 online national and 1 regional catalogue of best practice approaches and measures • 24 communications on best practices published and syndicated • 24 awareness materials published online • Annual reports of outreach programmes at 14 priority locations, including tracking of extent of community acceptance [56 reports] • 6 online national web portals on fisheries <i>refugia</i> • 6 published GEF IW experience notes (one per country and one regional) on application of fisheries <i>refugia</i> in the South China Sea and Gulf of Thailand • Information and education materials accessible at SEAFDEC and online • 1 endorsed regional report published online 	<p>Information Management and Dissemination in support of national and regional-level implementation of the fisheries <i>refugia</i> concept in the South China Sea and Gulf of Thailand</p>
<p>4) Effective multi-lateral and intergovernmental communication and joint decision-making, including the use of a consensual knowledge-base in planning ecologically and cost-effective management actions</p>	<p>Cost-effective and efficient coordination of national and regional level cooperation for integrated fisheries and environmental management</p>	<ul style="list-style-type: none"> • 6 NFRC Terms of Reference and 48 biannual meeting reports (joint management decisions and participant lists) • 6 NSTC Terms of Reference and 96 quarterly meeting reports (scientific and technical advice and participants lists) • 14 Management Board Terms of Reference and 224 quarterly meeting reports (joint management decisions and participant lists) • RSTC Terms of Reference and 4 annual meeting reports (documenting scientific and technical advice and participant lists) • PSC Terms of Reference and 4 annual meeting reports (documenting joint decisions and participant lists) • Terms of Reference and contracts for project 	<p>National and regional cooperation and coordination for integrated fish stock and critical habitat management in the South China Sea and Gulf of Thailand</p>

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4.2 Overall Scope/Description of Project

Activity/COMPONENT	Description
Activity 1 Identification and management of fisheries and critical habitat linkages at priority fisheries <i>refugia</i> in the South China Sea	Includes: Developing fisheries and coastal habitat information and data collection programs for 14 priority fisheries <i>refugia</i> sites; Facilitating agreement among stakeholders on the boundaries of fisheries <i>refugia</i> at 14 priority fisheries <i>refugia</i> sites; Developing Community-Based Management Plans for sites; Establishing operational management for 14 priority fisheries <i>refugia</i> sites; and Strengthening civil society and community organization participation in the management of 14 fisheries <i>refugia</i> sites.
Activity 2 Improving the management of critical habitats for fish stocks of transboundary significance via national and regional actions to strengthen the enabling environment and knowledge-base for fisheries <i>refugia</i> management in the South China Sea	Includes: Enhancing policy guidance for improved management of the effects of fishing on critical habitats in the 6 participating countries; Defining the policy and legal basis for formal designation and establishment of fisheries <i>refugia</i> in the 6 participating countries; Development of national guidelines on the establishment and operation of fisheries <i>refugia</i> and reflected in an updated regional <i>refugia</i> action plan; Reforming national and regional policy, legal and planning frameworks for demarcating boundaries and managing <i>refugia</i> ; Enhancing access to information relating to status and trends in fish stocks and their habitats in waters of the SCS marine basin; Improving national and regional-level management and sharing of information and data on fish early life history in the waters of the SCS; Enhancing access to information relating to the locations and status of coastal habitats and management areas in the SCS; Strengthening the information base for the planning, monitoring and evaluation of management at 14 priority fisheries <i>refugia</i> sites; Improving basin-wide understanding of linkages between ocean circulation patterns, nutrient/chlorophyll concentrations, and sources and sinks of fish larvae in the South China Sea; and Generation of regionally and locally appropriate best practices generated to address the effects of trawl and push net fishing on seagrass habitat, and the capture of juveniles, pre-recruits and fish in spawning condition.
Activity 3 Information Management and Dissemination in support of national and regional-level implementation of the fisheries <i>refugia</i> concept	Includes: Enhancing uptake of best practices in integrating fisheries management and biodiversity conservation in the 6 participating countries; Improving community acceptance of area based approaches to marine management in the 6 participating countries; Capture and sharing of knowledge generated and experiences from establishing and operating fisheries <i>refugia</i> ; Developing

Activity/COMPONENT	Description
in the South China Sea	information and education campaigns for small-scale fisherfolk on the links between fisheries, habitats and biodiversity coordinated regionally through a Regional Education and Awareness Centre; and Development of standardized methods for collection and analysis of information and data for use in assessing impacts of <i>refugia</i> and design appropriate indicators for the longer-term operation of the regional system of fisheries <i>refugia</i> .
Activity 4 National cooperation and coordination for integrated fish stock and critical habitat management in the South China Sea	Includes: Strengthening cross-sectorial coordination in the establishment and operation of fisheries <i>refugia</i> in the participating countries; Harnessing national scientific and technical expertise and knowledge to inform policy, legal and institutional reforms for fisheries <i>refugia</i> ; Catalyzing local community action via establishment and operation of site-based management boards at 14 priority <i>refugia</i> sites; Coordination of regional and national-level activities and reporting requirements of UNEP and GEF; and Regional cooperation in the establishment and operation of a regional system of fisheries <i>refugia</i> .

4.3 Activity and Proposed Budget for 2017-2020

(Unit: USD)

Activity/COMPONENTS		Y1 2016	Y2 2017	Y3 2018	Y4 2019	Y5 2020
1	Identification and management of fisheries and critical habitat linkages at priority fisheries <i>refugia</i> in the South China Sea		80,000	174,100	294,800	214,700
2	Improving the management of critical habitats for fish stocks of transboundary significance via national and regional actions to strengthen the enabling environment and knowledge-based for fisheries <i>refugia</i> management in the South China Sea		29,120	299,000	247,000	161,000
3	Information Management and Dissemination in support of national and regional-level implementation of the fisheries <i>refugia</i> concept in the South China Sea		20,000	88,400	100,900	67,630
4	National cooperation and coordination for integrated fish stock and critical habitat management in the South China Sea	95,650	160,000	312,500	298,100	357,100
	Total Budget	95,650	289,120	874,000	940,800	800,430
	Grand Total Budget				USD 3,000,000.00	

PART II: ACHIEVEMENT OF 2019 PROJECT IMPLEMENTATION

1. Achievements of the Project Implementation for 2019 (JAN.-SEP. 2019)

Project Management

Activity/Component 1

- *Initiation of fisheries and coastal habitat information and data collection programs for 15 priority fisheries refugia sites*

- *Intensive series of consultation on the boundaries of fisheries refugia which have been supported by facilitated processes to identify key threats to fisheries refugia sites and to initiate discussion about possible management measures for evaluation*
- *Governance reviews, stakeholder analyses, socio-economic information and data collation, and reviews of existing management arrangements are in progress by 12/15 Sites;*
- *Letters of Agreement signed with all participating countries: Viet Nam and Indonesia signed the LOA and started implementation of the Fisheries Refugia since May and June 2019 respectively.*
- *National teams trained in project management and governance arrangements*

Activity/Component 2

- *Working document for regional level review on key threats from fishing and the environment to fish stock and critical habitat linkages at the priority sites in the participating countries*
- *existing regulations and by-laws in the areas of the 12/15 sites at which the project is presently working have been compiled and reviewed, with feedback provided to national teams, to aid in the formulation of recommendations on policy and legal reforms to support promotion of responsible fishing at times and at locations critical to fish stock and critical habitat linkages*
- *Workshops with local stakeholders and officials on policy and legal aspects of refugia (terminology, procedures, recommended reforms) in the participating countries have allowed discussions to be viewed through a more realistic lens which reflects local stakeholder needs, expectations, and concerns about socio-economic impacts of management*
- *Questionnaire survey templates have been prepared to: (a) compile and update information and data on the distribution of habitats; known spawning areas; locations of refugia; MPAs; fisheries management areas; and critical habitats for endangered species; and (b) produce detailed site characterizations for the 15 priority fisheries refugia sites for incorporation into national and regional datasets. Preparation of detailed Terms of Reference for the development and application of a modelling system linking oceanographic, biochemical, and fish early life history information to improve regional understanding of fish early life history and links to critical habitats have been prepared and discussed with regional universities, and Internationally recognized institutions with expertise in this field*
- *The Minister of Ministry of Agriculture, Forestry, and Fisheries (MAFF) endorsed the Proclamation of The Establishment of Management Area of Mackerel Fisheries Refugia in Koh Kong, and the Blue Swimming Crab Fisheries Refugia in Kep, Cambodia in 2019;*

Activity/Component 3

- *The fisheries-refugia.org regional web site has been developed and populated with newly developed short films, journal articles written by regional project staff during the reporting period and is supported by various social media platforms including YouTube and Facebook. A six-part short film social media campaign has been prepared and will be implemented.*
- *The national fisheries-refugia web portals in local language have been developing by countries.*
- *The Regional Meeting for identification the indicators for management of the Fisheries Refugia after the end-project was organized in September 2019. Accordingly, the standardized methods for collection and analysis of information and data on refugia effectiveness (including indicator system) was also discussed to be included into one regional paper to guide Country in establishment and management of fisheries refugia for long term sustainability.*
- *Back to back with the RM on Indicators, the SEAFDEC/PCU in collaboration with SEAFDEC Sweden Project conducted the Regional Consultative Meeting on Management of Transboundary Species: Short Mackerel. The result is the Final Draft of the Regional Action Plan for Management of Short Mackerel (Indo-pacific Mackerel) in the Gulf of Thailand Sub-Region where the results is extent to the South China Sea sub-region. This RAP-Short*

Mackerel will be further addressed at the PCM, SEAFDEC Council, FCG/ASSP and high-level of SOM for further endorsement and supported.

Activity/Component 4

- 15 sites have progressed agreement on detailed terms of reference for site-based management boards
- The 2nd Meeting of Regional Scientific and Technical Committee (RSTC2) was organized in May 2019 with aim to create the regional cooperation in the integration of scientific knowledge and research outputs with management, while the RSTC2 discussed on management of transboundary species and other management tools to support the establishment of fisheries refugia by countries. Additionally, the progress works at national and regional have been updated.
- The 2nd Meeting of Regional Project Steering Committee (PSC1) was also organized on 5-6 November 2019, hosted by the Department of Fisheries Malaysia. The results from the PSC2 are updated national and regional program for consideration and endorsement by the committee e.g. the draft Indicators for management of fisheries refugia, Draft Regional Plan of Action for Sustainable Management of Short Mackerel, Ocean Modelling, regional workplan on best practices of fisheries gears and methods. The meeting also noted on the knowledge attitude and practices to be applied during the implementation.

2. Information of Present Year Activity including Involved Stakeholders (JAN.-SEP. 2019)

List of Actual Activity By 4 Components	Type of activity*	Number of Participants			Spent Budget (USD)
		MCs	SEAFDEC	Others	
Activity COM-1	R, T, I	594+500	10		79,721.35
Activity COM-2	P, R				38,970.23
Activity COM-3	P, I				30,888.56
Activity COM-4	P, I, R	60	10	15	170,455.73
Total Expenditures in 2019 as of 30 September					320,035.87
Remaining Budget till 31 December 2019					~620,765

3. Outcome/Outputs of the past Activity (JAN.-SEP. 2019):

Planned activity	Expected outcome/output	Achievements/Outcome and Outputs
COMPONENT 1	Fisheries <i>refugia</i> profile reports, including GIS maps and site characterisations, published for 14 priority sites	Letters of Agreement signed by all 6 relevant Country: 15 priority <i>refugia</i> sites are selected by 6 countries: 3 sites each in Cambodia, Philippines and Viet Nam; and 2 sites each in Indonesia Malaysia, and Thailand. A package of data and information of fisheries and coastal habitat including identified key threats to fisheries <i>refugia</i> sites. Draft demarcation area (GIS Map) for establishment of Short Mackerel fisheries <i>refugia</i> in Trat Province, Thailand

		<p>Draft demarcation area (GIS Map) for establishment of Blue Swimming Crab fisheries <i>refugia</i> in Surat Thani Province, Thailand</p> <p>17 Quarterly reports network meetings and activities [including list of participants and results of work]</p>
COMPONENT 2	<p>Published national reviews & recommendations for reforms of national, provincial and municipal regulations/ordinances for responsible fishing practices at priority <i>refugia</i>; and Characterisations for 14 <i>refugia</i> sites accessible online</p>	<p>2 Endorsed policy and executive orders, provincial/local ordinances and by-laws including national action plan for management of priority <i>refugia</i> as follows:</p> <ol style="list-style-type: none"> 1. Endorsed Proclamation of the Establishment of Management Area of Mackerel Fisheries <i>Refugia</i> in Koh Kong province, Cambodia 2. Endorsed Proclamation of the Establishment of Management Area of Blue Swimming Crab Fisheries <i>Refugia</i> in Kep province, Cambodia <p>1 draft regional action plan for fisheries <i>refugia</i> of transboundary species; short mackerel;</p> <p>1 modelling system using the system developed by partners is online;</p>
COMPONENT 3	<p>Awareness materials published online, and online national web portals on fisheries <i>refugia</i></p>	<p>1 Regional fisheries <i>refugia</i> website is online;</p> <p>6 national web portals linked to the regional with page are online.</p> <p>Information and education materials accessible at SEAFDEC and online;</p> <p>1 draft regional report on “Standardized Methods for Collection and Analysis of Data and Information for the use in Assessing the Impacts of Fisheries <i>Refugia</i> and in the Designing of Appropriate Indicators for Long Term Management of the Regional System of Fisheries <i>Refugia</i>” published online</p> <p>1 article of the progress report in 2019 is published online under the GEF/IW LEARN website;</p>
COMPONENT 4	<p>NFRC Terms of Reference and biannual meeting reports (joint management decisions and participant lists); and NTSC Terms of Reference and</p>	<p>15 sites have been progressed agreement on detailed terms of reference for site-based management boards;</p> <p>13 Quarterly reports of the site-based management boards are online;</p> <p>1 Report of the 2nd Meeting of the Regional Scientific and Technical Committee is published online;</p>

	quarterly meeting reports (scientific and technical advice and participants lists)	1 Report of the 2 nd Meeting of the Project Steering Committee is published online;
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4. List of Completed Publications and Others (e.g. technical report, VDO, presentation file, etc.)

	List of completed publications as of 30 September 2019	Type of media	Attached e-file
	CAMBODIA REPORT		
1	Field visit in Preah Sihanouk, Kep provinces and Koh Kong province.	E-doc.	CAM-REP2017Q1_001☒
2	Field visit in Koh Kong province.	E-doc.	CAM-REP2017Q3_002☒
3	Management Board Meeting of Marine Fisheries Management Area (MFMA) Technical Working Group	E-doc.	CAM-REP2017Q3_003☒
4	Stakeholder Consultation Workshop for Relevant Provincial Departments and NGOs, Community Fisheries at Kep Province	E-doc.	CAM-REP2017Q3_004☒
5	Consultation Meeting for 3 stakeholder consultations on Identified Fish Species for Fisheries <i>Refugias</i> at Preah Sihanouk province	E-doc.	CAM-REP2017Q3_005☒
6	Stakeholder Consultation Workshop for Relevant Departments at Preah Sihanouk Province	E-doc.	CAM-REP2017Q3_006☒
7	Stakeholder Consultation Workshop for Deum Tkov Community Fisheries at Preah Sihanouk Province	E-doc.	CAM-REP2017Q3_007☒
8	Stakeholder Consultation Workshop for Koh Rong Saloem Community Fisheries at Preah Sihanouk Province	E-doc.	CAM-REP2017Q3_008☒
9	Stakeholder Consultation Workshop for Relevant Departments, Peam Krasob Community Fisheries, and Koh Kapi Community Fisheries at Koh Kong Province	E-doc.	CAM-REP2017Q3_009☒
12	Consultation Meeting with Relevant Stakeholders to Select the Site for Marine Fisheries Management Area Including Fisheries <i>Refugia</i> in Kampot Province	E-doc.	CAM-REP2018Q3_012☒
13	Consultation Meeting with Community Fisheries and Kampot Fisheries Administration Cantonment to Draw A Map of Marine Fisheries Management Area Including Fisheries <i>Refugia</i> in Kampot Province	E-doc.	CAM-REP2018Q3_013☒
14	Consultation Meeting with Koh Kong Fisheries Administration Cantonment and Community Fisheries to Draw The Map of Indo-Pacific Mackerel Fisheries <i>Refugia</i> in Koh Kong Province	E-doc.	CAM-REP2018Q3_014☒
15	Stakeholder Consultation Workshop of Marine Fisheries Management Area Management Plan Preparation in Kep Province	E-doc.	CAM-REP2018Q3_015☒
16	Stakeholder Consultation Workshop for Fisheries <i>Refugia</i> With Community Fisheries	E-doc.	CAM-REP2018Q4_016☒
17	Stakeholder Consultation Workshop for Fisheries <i>Refugia</i> with Provincial Line Departments	E-doc.	CAM-REP2018Q4_017☒
18	The 1st Technical Working Group Meeting on Marine Fisheries Management Area Management Plan Preparation in Kep Province	E-doc.	CAM-REP2018Q4_018☒

19	Stakeholder Consultant Meeting on The Creation of Mackerel Fisheries <i>Refugia</i> in Koh Kong, Monitoring Landing Site and Market, and Relevant Data Collection	E-doc.	CAM-REP2018Q4_019☒
20	Monitoring Mackerel Gonad growth and Sea Bottom in fisheries <i>Refugia</i> in Prem Krasob and Koh Kapi, Koh Kong Province.	E-doc.	CAM-REP2017Q4_020☒
21	Stakeholder Consultation Workshop on The Proclamation of The Creation and Management of Mackerel Fisheries <i>Refugia</i> in Koh Kong and the Creation of Management Task Force of Marine Fisheries Management Area in Koh Kong	E-doc.	CAM-REP2018Q4_021☒
22	The Baseline Survey of Short Mackerel in Koh Kong province.	E-doc.	CAM-REP2017Q1_022☒
23	Consultation Meeting to Prepare Action Plan for the Implementation of Mackerel Fisheries <i>Refugia</i>	E-doc.	CAM-REP2019Q1_023☒
24	Reviewing the Map Boundary of The Plan for Marine Fisheries Management Area and Discussion with Community Fisheries on Management Measurement of Grouper's Fingerling Collection in Kampot Province	E-doc.	CAM-REP2019Q1_024☒
25	Reviewing 3 Years Management Plan for Marine Fisheries Management Area in Kep	E-doc.	CAM-REP2019Q1_025☒
26	Technical Training Program on Biological Studies of Short Mackerel in Koh Kong	E-doc.	CAM-REP2019Q1_026☒
27	Meeting on Preparation for Dissemination Action Plan and Training on The Importance of Mackerel Fisheries <i>Refugia</i> in Koh Kong	E-doc.	CAM-REP2019Q1_027☒
28	Consultation Meeting on Zoning of Plan for Marine Fisheries Management Area in Kampot	E-doc.	CAM-REP2019Q1_028☒
29	The Baseline Survey of Short Mackerel and Sampling Fish Larvae Collection in Koh Kong Province.	E-doc.	CAM-REP2019Q_029☒
30	UTM Point Collection at Chhorng Horn Community Fisheries Site in Kampot Province.	E-doc.	CAM-REP2019Q1_030☒
31	Dissemination on The Importance of Mackerel Fisheries <i>Refugia</i> in Koh Kong	E-doc.	CAM-REP2019Q1_031☒
32	Dissemination on The Proclamation of Marine Fisheries Management Area in Koh Po and Koh Tonsay in Kep Province	E-doc.	CAM-REP2019Q1_032☒
33	Meeting with Private Sector on Zoning and Diving at Nataya Resort in Kampot	E-doc.	CAM-REP2019Q1_033☒
34	Diving at Chhorng Horn Community Fisheries and Nataya Resort in Kampot Province.	E-doc.	CAM-REP2019Q1_034☒
35	Data Analysis of Sampling Fish Larvae Collection in March in Koh Kong Province	E-doc.	CAM-REP2019Q1_035☒
36	The Baseline Survey of Short Mackerel and Sampling Fish Larvae collection of April in Koh Kong Province	E-doc.	CAM-REP2019Q2_036☒
37	2 nd Technical Working Group Meeting on Reviewing 5 Years Management Plan for Marine Management Area and Blue Swimming Crab Fisheries <i>Refugia</i> in Kep Province.	E-doc.	CAM-REP2019Q2_037☒
38	The Baseline Survey of Short Mackerel and Sampling Fish Larvae Collection of May in Koh Kong Province.	E-doc.	CAM-REP2019Q2_038☒
39	Stakeholder Consultation Meeting Report at Provincial Level on Establishment and Draft Proclamation of Marine Fisheries Management Area and Fisheries <i>Refugia</i> Site in	E-doc.	CAM-REP2019Q2_039☒

	Kampot		
40	Meeting on Management Action Preparation for Marine Fisheries Management Area and Blue Swimming Crab Fisheries <i>Refugia</i> in Kep	E-doc.	CAM-REP2019Q2_040 ☒
41	Validation Meeting to Finalize the 5 Years Management Plan for Marine Fisheries Management Area and Blue Swimming Crab Fisheries <i>Refugia</i> in Kep	E-doc.	CAM-REP2019Q2_041 ☒
42	The Baseline Survey of Short Mackerel and Sampling Fish Larvae Collection in Koh Kong Province	E-doc.	CAM-REP2019Q2_042 ☒
43	Stakeholder Consultation Meeting Report at National Level on Draft Proclamation of The Establishment of Management Area of Mackerel Fisheries <i>Refugia</i> in Koh Kong	E-doc.	CAM-REP2019Q2_043 ☒
45	Data Analysis of Sampling Fish Larvae Collection In Koh Kong in April and May 2019	E-doc.	CAM-REP2019Q2_045 ☒
46	The Baseline Survey of Short Mackerel and Sampling Fish Larvae Collection in Koh Kong Province	E-doc.	CAM-REP2019Q3_046 ☒
47	Consultation Meeting and Follow Up Installation of Mooring Buoys at the Boundary of Blue Swimming Crab Fisheries <i>Refugia</i> In Koh Po, Kep Province	E-doc.	CAM-REP2019Q3_047 ☒
48	National Consultative Meeting on Final Draft Proclamation of The Establishment of Management Area of Mackerel Fisheries <i>Refugia</i> in Prem Krasob, Koh Kong at Ministry of Agriculture Forestry and Fisheries.	E-doc.	CAM-REP2019Q3_048 ☒
49	National Consultative Meeting on Reviewing 5 Years Action Plan (2019-2023) For Marine Fisheries Management Area and Blue Swimming Crab Fisheries <i>Refugia</i> in Koh Po and Koh Tonsay Archipelago, Kep Province at Fisheries Administration.	E-doc.	CAM-REP2019Q3_049 ☒
50	The Baseline Survey of Short Mackerel and Sampling Fish Larvae Collection in Koh Kong Province.	E-doc.	CAM-REP2019Q3_050 ☒
51	Data Analysis of Sampling Fish Larvae Collection in Koh Kong From June to August 2019	E-doc.	CAM-REP2019Q3_051 ☒
52	The Baseline Survey of Short Mackerel and Sampling Fish Larvae Collection in Koh Kong Province.	E-doc.	CAM-REP2019Q3_052 ☒
53	Technical Working Group at Kep Provincial Hall Administration to Discuss on Arrangement of Provincial Management Committee Meeting to Approve 5 Years Action plan for Marine Fisheries Management Area and Blue Swimming Crab Fisheries <i>Refugia</i> , <i>Kep Province</i> .	E-doc.	CAM-REP2019Q3_053 ☒
54	Data Analysis of Fish Larvae of Scombridae Family by Month From March to September 2019 in Koh Kong Province.	E-doc.	CAM-REP2019Q3_054 ☒
	PHILIPPINES REPORT		
1	Site-Level Inception Workshop	E-doc.	PH-REP2017Q1_001
2	Site-Level Inception Workshop	E-doc.	PH-REP2017Q1_002
3	Site-Level Inception Workshop	E-doc.	PH-REP2017Q1_003
4	Site Level Inception Workshop And Baseline Data Collection	E-doc.	PH-REP2017Q2_004
5	Coron <i>Refugia</i> Site Management Committee Meeting	E-doc.	PH-

			REP2017Q2_005
6	Coron Stakeholders Consultation Workshop	E-doc.	PH- REP2017Q2_006
7	Bolinao Fisheries <i>Refugia</i> Site Management Committee Meeting	E-doc.	PH- REP2017Q3_007
8	Initial Ichthyoplankton Survey In Selected Areas Of Masinloc Bay	E-doc.	PH- REP2017Q3_008
9	Monitoring And Data Validation On Fisheries Data Collection In Coron, Palawan	E-doc.	PH- REP2017Q3_009
10	Initial Ichthyoplankton Survey In Selected Areas Of Bolinao Bay	E-doc.	PH- REP2017Q3_010
11	Fisheries Data Collection On Fish Landing Sites In Coron Site And Masinloc Site.	E-doc.	PH- REP2017Q3_011
12	Fisheries Data Collection On Fish Landing Sites In Coron Site And Masinloc Site	E-doc.	PH- REP2017Q3_012
13	Endorsement Of Newly Hired Enumerator To The Lgu Bolinao And Visit To Sampling Sites	E-doc.	PH- REP2018Q1_013
14	Quarterly Monitoring And Data Validation Of Data Collection In Masinloc, Zambales	E-doc.	PH- REP2018Q1_014
15	Fisheries Data Collection On Fish Landing Sites In Coron Site, Masinloc Site & Bolinao Site	E-doc.	PH- REP2018Q1_015
16	Quarterly Monitoring And Data Validation Of Data Collection In Bolinao Pangasinan	E-doc.	PH- REP2018Q2_016
17	Quarterly Monitoring And Data Validation Of Data Collection In Coron, Palawan	E-doc.	PH- REP2018Q2_017
18	Ichthyoplankton Survey In Selected Areas Of Coron Bay	E-doc.	PH- REP2018Q2_018
19	Fisheries Data Collection On Fish Landing Sites In Coron Site, Masinloc Site & Bolinao Site	E-doc.	PH- REP2018Q2_019
20	Quarterly Monitoring And Data Validation Of Data Collection In Bolinao, Pangasinan	E-doc.	PH- REP2018Q2_020
21	Fisheries <i>Refugia</i> Project Meeting With Pcu	E-doc.	PH- REP2018Q2_021
22	Quarterly Monitoring And Data Validation Of Data Collection In Masinloc, Zambales	E-doc.	PH- REP2018Q2_022
23	Coordination With Lgu For The Stakeholders Consultation Workshop And Ocular Visit To Possible Workshop Venue	E-doc.	PH- REP2018Q2_023
24	Fisheries Data Collection On Fish Landing Sites In Coron Site, Masinloc Site & Bolinao Site	E-doc.	PH- REP2018Q3_024
25	Ichthyoplankton Survey In Selected Areas Of Masinloc	E-doc.	PH- REP2018Q3_025
26	Fisheries <i>Refugia</i> Stakeholders Consultation Workshop - Bolinao Site	E-doc.	PH- REP2018Q3_026
27	Fisheries <i>Refugia</i> Stakeholders Consultation Workshop - Masinloc Site	E-doc.	PH- REP2018Q4_027
28	Fisheries <i>Refugia</i> Stakeholders Consultation Workshop - Coron Site	E-doc.	PH- REP2018Q4_028
29	Fisheries Data Collection On Fish Landing Sites In Coron Site, Masinloc Site & Bolinao Site	E-doc.	PH- REP2018Q4_029
30	Initial Ichthyoplankton Survey In Selected Areas Of Bolinao Bay	E-doc.	PH- REP2018Q4_030
	THAILAND REPORT		
1	Stakeholder Meeting of Establishment and Operation of a	E-doc.	TH-

	Regional System of Fisheries <i>Refugia</i> in The South China Sea and Gulf of Thailand.		REP2017Q3_001
2	Stakeholder Meeting of Establishment and Operation of a Regional System of Fisheries <i>Refugia</i> in The South China Sea And Gulf of Thailand.	E-doc.	TH- REP2017Q3_002
3	Stakeholder Meeting of Establishment and Operation of a Regional System of Fisheries <i>Refugia</i> in The South China Sea and Gulf of Thailand.	E-doc.	TH- REP2017Q3_003
4	Stakeholder Meeting of Establishment and Operation of a Regional System of Fisheries <i>Refugia</i> in The South China Sea and Gulf of Thailand.	E-doc.	TH- REP2017Q3_004
5	Stakeholder Consultation Workshop of Establishment and Operation of a Regional System of Fisheries <i>Refugia</i> in The South China Sea and Gulf of Thailand.	E-doc.	TH- REP2018Q1_005
6	Stakeholder Consultation Workshop of Establishment and Operation of a Regional System of Fisheries <i>Refugia</i> in The South China Sea and Gulf of Thailand.	E-doc.	TH- REP2018Q2_006
7	The First Meetings of Thailand National Fisheries <i>Refugia</i> Committee and Thailand National Scientific and Technical Committee	E-doc.	TH- REP2018Q3_007
8	Consultation Meeting of The Project Implementation	E-doc.	TH- REP2018Q4_008
9	The Second Meeting of Thailand National Fisheries <i>Refugia</i> Committee	E-doc.	TH- REP2018Q4_009
10	Consultation Meeting of The Project Implementation	E-doc.	TH- REP2018Q4_010
11	The First Meeting of Thailand National Scientific and Technical Committee	E-doc.	TH- REP2018Q4_011
12	The Third Meeting of Thailand National Fisheries <i>Refugia</i> Committee	E-doc.	TH- REP2019Q1_012
13	Consultation Meeting for The Arrangement of Site-Based Fisheries <i>Refugia</i> Management Board in Surat Thani Province	E-doc.	TH- REP2019Q1_013
14	Consultation Meeting for the Arrangement of Site-Based Fisheries <i>Refugia</i> Management Board in Trat Province	E-doc.	TH- REP2019Q1_014
15	Consultation Meeting for the Arrangement of Baseline Data Collection	E-doc.	TH- REP2019Q1_015
16	Consultation Meeting on The Preparation for Financial Audit	E-doc.	TH- REP2019Q1_016
17	The Fourth Meeting of Thailand National Fisheries <i>Refugia</i> Committee	E-doc.	TH- REP2019Q1_017
18	The First Meeting of Site-Based Fisheries <i>Refugia</i> Management Board in Trat Province	E-doc.	TH- REP2019Q2_018
19	The First Meeting of Site-Based Fisheries <i>Refugia</i> Management Board in Surat Thani Province	E-doc.	TH- REP2019Q2_019
20	The Fifth Meeting of Thailand National Fisheries <i>Refugia</i> Committee	E-doc.	TH- REP2019Q2_020
	INDONESIA REPORT (STARTING FROM Q3/2019)		
1	Report on the First National Coordination Meeting	E-doc.	ID-REP2019Q3_001
2	Report on Coordination Meeting “Technical Guidance for Project Activities Implementation”	E-doc.	ID-REP2019Q3_002
3	Inception Meeting: Preparation for Implementation of Fisheries <i>Refugia</i> Project	E-doc.	ID-REP2019Q3_003

	SEAFDEC PCU		
1	The South China Sea Fisheries <i>Refugia</i> Initiative and the Sustainable Development Goals	E-doc. article	FR_SP2017_001
2	The SEAFDEC/UNEP/GEF South China Sea Fisheries <i>Refugia</i> Initiative	E-doc. article	FR_SP2018_002
3	The article on project Facebook page entitled“ SCS LEARN :The South China Sea Fisheries <i>Refugia</i> Initiative and the Sustainable Development Goals	E-doc. article	FR_SP2018_003
4	The article on project Facebook page entitled“ SCS LEARN :An Overview of the South China Sea Fisheries <i>Refugia</i> Initiative”	E-doc. article	FR_SP2019_004
5	SHORT FILM entitled “The South China Sea Fisheries <i>Refugia</i> Initiative ”on project Facebook page and YouTube	Film	FR_Film_001
6	Short film entitled “Implementing the Strategic Action Programme for the South China Sea” on project Facebook page and YouTube	Film	FR_Film_002
7	Fisheries <i>refugia</i> profile reports, including GIS maps and site characterisations, published for 14 priority sites	E-doc.	On-going
8	Terms of Reference for National Fisheries <i>Refugia</i> Committee	E-doc.	FR_TOR_001
9	Terms of Reference for National Scientific and Technical Committee	E-doc.	FR_TOR_002
10	Terms of Reference for National Site Management-Boards	E-doc.	FR_TOR_003
11	Terms of Reference for Regional Project Steering Committee	E-doc.	FR_TOR_004
12	Terms of Reference for Regional Scientific and Technical Committee	E-doc.	FR_TOR_005
13	Term of Reference for Project Coordinating Unit	E-doc.	FR_TOR_006
14	Term of Reference for National Lead Agency	E-doc.	FR_TOR_007
15	Report of the 1 st Regional Project Steering Committee Meeting	E-doc.	FR_RMC_001
16	Report of the 2 nd Regional Project Steering Committee Meeting	E-doc.	FR_RMC_002
17	Report of the 1 st Regional Scientific and Technical Committee Meeting	E-doc.	FR_RMC_003
18	Report of the 2 nd Regional Scientific and Technical Committee Meeting	E-doc.	FR_RMC_004
19	Report of the Regional Meeting on Indicators for Management of Fisheries	E-doc.	FR_RM_001
20	Report of the Regional Technical Consultative Meeting on Regional Action Plan for Management of Transboundary species: short mackerel in the Gulf of Thailand Sub-region	E-doc.	FR_RM_002

5. Evaluation from Participants of Member Countries for WS and Training Course (if available)

<NOT APPROPRIATED>

6. Major impacts/issues

- *Delay of quarterly reports on expenditures and progress report for co-finance calculation*

PART III: PROPOSED ACTIVITIES FOR YEAR 2020

1. Proposed Activity/sub-activity, work plan and estimated budget for the year 2020

(Unit: USD)

Proposed Activity	Description of Proposed Activity	Proposed Budget (USD)	Notes
COMPONENT 1	Identification and management of fisheries and critical habitat linkages at priority fisheries <i>refugia</i> in the South China Sea	214,700	
COMPONENT 2	Improving the management of critical habitats for fish stocks of transboundary significance via national and regional actions to strengthen the enabling environment and knowledge-based for fisheries <i>refugia</i> management in the South China Sea	161,000	
COMPONENT 3	Information Management and Dissemination in support of national and regional-level implementation of the fisheries <i>refugia</i> concept in the South China Sea	67,630	
COMPONENT 4	National cooperation and coordination for integrated fish stock and critical habitat management in the South China Sea	357,100	
		800,430	

2. Expected Outcomes/Outputs of Activity for the year 2020

Proposed Activity / Component	Expected Outcomes/Outputs of Activity
Component 1	
Sub-activities	Fisheries <i>refugia</i> profile reports, including GIS maps and site characterisations, published for 15 priority sites
Component 2	
Sub-activities	Published national reviews & recommendations for reforms of national, provincial and municipal regulations/ordinances for responsible fishing practices at priority <i>refugia</i> ; and Characterisations for 15 <i>refugia</i> sites accessible online
Component 3	
Sub-activities	Awareness materials published online, and online national web portals on fisheries <i>refugia</i> Adopted Standardized Methods for Collection and Analysis of Data and Information for the use in Assessing the Impacts of Fisheries <i>Refugia</i> and in the Designing of Appropriate Indicators for Long Term Management of the Regional System of Fisheries <i>Refugia</i> Adopted Regional Action Plan for Management of Short Mackerel Adopted Regional guidelines on Indicators for Management of Fisheries <i>Refugia</i>
Component 4	
Sub-activities	Joint management decisions and participant lists; and

	scientific and technical advice and participants lists
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3. Schedule of Activity for the year 2020

Proposed Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Activity 1												
Sub-activities	■	■	■	■	■	■	■	■	■	■	■	■
Activity 2												
Sub-activities	■	■	■	■	■	■	■	■	■	■	■	■
Activity 3												
Sub-activities	■	■	■	■	■	■	■	■	■	■	■	■
Activity 4												
Sub-activities			■		■	■				■		■