



PROJECT DOCUMENT

ACHIEVEMENTS FOR YEAR 2019

Project ID: 201401008

Program Category	ASEAN-SEAFDEC ASSP and FCG Mechanism		
Project Title	Enhancing the Compilation and Utilization of Fishery Statistics and Information for Sustainable Development and Management of Fisheries in Southeast Asian Region: <i>Facilitating Fisheries Activity Information Gathering through Introduction of Community-based Resources Management / Co-management</i>		
Program Strategy No.	I	Total Duration	2013 - 2019
Lead Department	Training Department (TD)	Lead Country	None
Donor/Sponsor	Japanese Trust Fund (JTF)	Total Donor Budget	USD 375,616
Project Partner	None	Budget for 2019	USD 59,000
Project Leader	Thanyalak Suasi / TD	Project Participating Country(ies)	ALL Member Countries

PART I: OVERALL PROJECT DESCRIPTION

1. Brief Project Description:

The Project was carried out to support the SEAFDEC Member Countries (MCs) by reviewing the issues and constraints on fisheries data collections in coastal small-scale and inland fisheries at national level through the regional workshop. The Project also supported MCs for conducting the onsite training courses on “Facilitating Fisheries Information Gathering Through Introduction of Community-based Resources Management (CBRM)/Co-management”. The training courses introduced the concepts of CBRM/Co-management to Provincial Officers of MCs. Further, with support of Fisheries Officers of MCs, the activities on information collections at the pilot sites were monitored, and the information were further analyzed for developing a policy. The Project also facilitated to design coastal and inland fishery management plans through appropriate participatory mechanism of CBRM/Co-management for the fisherfolk and local communities.

2. Background and Justification:

In the Southeast Asian region, it has been recognized that fishery statistics in coastal and inland fisheries are under-reported due to the nature of fisheries as being multi-species and involving large number of small-scale fishers. Therefore, it is necessary to further improve data and information collection systems and introduce the concept and framework of appropriate fisheries management with involving fisherfolk, local communities, local government officers, etc. The status of coastal and inland fisheries could be better understood by analyzing the data and information collected, which could be used as a basis for planning and managing fisheries and fisheries resources.

The ASEAN-SEAFDEC Conference on Sustainable Fisheries for Food Security Towards 2020 “Fish for

the People 2020: Adaptation to a Change Environment” held in June 2011 adopted a resolution recommending that: 1) *Adopt co-management at all levels and with all relevant stakeholders in the process of planning and policy formulation for management, conservation and rehabilitation of habitats and protective geographical features, as well as policy formulation on the use and management of natural and human resources to ensure that climate change responses are integrated into fisheries policy frameworks,* 2) *Enhance and promote the participation of local communities, fisheries associations and other stakeholders in fisheries management and co-management. In addition, communities should take part in fisheries and stock assessments by providing data, local ecological knowledge, and status of the stocks.* In line with the above Resolution, a regional project entitled “Enhancing the Compilation and Utilization of Fishery Statistics and Information for Sustainable Development and Management of Fisheries in Southeast Asian Region: *Facilitating fisheries activity information gathering through introduction of Community-based Resources Management / Co-management*” was formulated for the MCs under the Japanese Trust Fund (JTF). Under the Project, the activities were implemented at project pilot sites in selected member countries after conducting the on-site training course. It has been recommended that further follow-ups activities at the project pilot sites are required in order to strengthen the practical CBRM/Co-management in MCs and further expand to the other areas.

3. Project Overall Objectives, Outcomes, Outputs, Indicators and Activities:

3.1 Objectives, Outcome and Output of the Project

Objective	Outcomes	Outputs	Activities
Objective 1: Improve compilation of fisheries and socio-economic information on coastal small-scale and inland fisheries in the Southeast Asia	Outcome 1: (1) Reviewing the problems of fisheries data collection in coastal small-scale and inland fisheries at national (2) identifying the key issues of fisheries data collection (3) Sharing the lessons learned from effective ways of data collection among the SEAFDEC Member Countries	Output 1: Discussing and exchanging information/opinions and cultivating understanding on the way forward for promotion of fisheries information gathering	Activity 1: Regional Workshop on Improvement of Fisheries Information Collection in Coastal Small-scale and Inland Fisheries of the Southeast Asian Region
Objective 2: Support Member Countries to introduce applicable practice of CBRM/Co-management	Outcome 2: Increased the number of local officers and fishers who cultivate understanding on introducing skills for establishment of CBRM / Co-management	Output 2: (1) Provide knowledge and experience on practical approach on CBRM / Co-management to fisheries officer (2) Practical in competence in planning and implementing the applicable coastal/inland fishery management	Activity 2: Strengthening training on site to introduce the appropriate participatory mechanism of CBRM/Co-management, including the methodology on gathering fisheries activity information

		plans	
Objective 3: Facilitate better understanding and knowledge on status and condition of coastal small-scale and inland fisheries at national and local level	Outcome 3: Fisheries management through CBRM / Co-management approach strengthened the information dissemination of results of practical models and survey for Member Country	Output 3: Discussion and Developing practical models of CBRM/Co-management of coastal small-scale and inland fisheries with Member Country	Activity 3: Monitoring and Facilitating 3.1 Monitoring and additional support for member countries activities of facilitating CBRM/Co-management and gathering fisheries activity information 3.2 Study (Base-line survey) on appropriate activities sustainable for CBRM/Co-management in fisheries community

3.2 Overall Scope/Description of Project

Activity	Description
Activity 1: Regional Workshop on Improvement of Fisheries Information Collection in Coastal Small-scale and Inland Fisheries of the Southeast Asian Region	Resolution problems and constraints of fisheries data collection in coastal small-scale and inland fisheries from the workshop will be utilized to identify the key issues that should be addressed by the countries. This could be achieved by fostering the lessons learned in terms of the methodologies and exchanging experiences in effective fisheries data collection. It was also envisaged that such effort could be adapted in the setting up of fisheries census with a future goal of improving fisheries data collection.
Activity 2: Strengthening training on site to introduce the appropriate participatory mechanism of CBRM/Co-management including the methodology on gathering fisheries activity information	Training On Trainers (TOTs) courses are conducted in selected countries. The TOTs aim to: 1) Provide clear and detailed concept and methodology on CBRM/Co-management; 2) Cultivation the understanding on tools for data and information collection in coastal and inland fishing communities; and 3) Introducing skills for establishment of organizations in the fishing communities to implement CBRM/Co-management. As well including practical planning and implementing the applicable coastal/inland fishery management plans.
Activity 3: Monitoring and facilitating 3.1 Monitoring and additional support for member countries activities of facilitating CBRM/Co-management and gathering fisheries activity information	Member Country will select pilot site which promoted CBRM/Co-management approach, and SEAFDEC will assist fisheries officers of Member Countries in collecting and analyzing information from fisheries community for policy formulation, also in designing coastal and inland fishery management plans through participatory mechanism of CBRM/Co-management approach, that suit the local condition.
3.2 Study (Base-line survey) on appropriate activities sustainable for CBRM/Co-management in fisheries community of Member Country	SEAFDEC assists Member Countries in promoting CBRM/Co-management and building the capacity of the fisheries community

3.3 Activity, Sub-activity and Proposed Budget for 2014-2019 (in case of 5-year project from 2015)

(Unit: USD)

Activity	Sub-Activity	Y1 2013	Y2 2014	Y3 2015	Y4 2016	Y5 2017	Y6 2018	Y7 2019
Activity 1: Regional Workshop on improvement of fisheries information collection in coastal small-scale and inland fisheries of the Southeast Asian region	Sub-activity 1.1	18,000	-	-	-	-	20,000	25,500
Activity 2: Strengthening training on site to introduce the appropriate participatory mechanism of CBRM including the methodology on gathering fisheries activity information	Sub-activity 2.1	34,000	70,000	40,000	27,000	-	20,000	-
Activity 3 Monitoring and facilitating	Sub-activity 3.1: Monitoring and additional support for member countries activities of facilitating CBRM/Co- management and gathering fisheries activity information				7,000		40,816	28,700
	Sub-activity 3.2: Study on appropriate activities sustainable for CBRM in fisheries community in Southeast Asia			17,000	6,000	22,800	6,000	4,800
	Sub-Total	52,000	70,000	57,000	40,000	22,800	86,816	59,000

PART II: ACHIEVEMENT OF 2019 PROJECT IMPLEMENTATION

1. Achievements of the Project Implementation for the present year <2019>:

There have been many attempts in the SEAFDEC Member Countries to implement a pilot project on CBRM/Co-management. In 2019, the Project conducted the follow-up activities in three (3) pilot sites in Nam Xouang Reservoir, Vientiane, and Khammouane Province, Lao PDR, and Nam Oon Dam, Sakon Nakhon Province, Thailand. The local Fisheries Officers were strengthening their own capacities in CBRM/Co-management through conducting the project activities at the pilot site. The extension media materials (e.g. posters and brochures) were developed and distributed to local fisherfolk, local communities, etc. in order to build their awareness on conserving and managing fisheries resources in their areas, as well as strengthening surveillance activity in the areas. Further, alternative livelihood program was introduced to the local communities to generate additional incomes for their better life and reduce fishing effort for conserving and managing fisheries resources. And, the results of data collections were reported back to the local communities.

2. Information of Present Year Activity including Involved Stakeholders:

List of Actual Sub-activity	Type of activity*	Number of Participants			Spent Budget (USD)
		MCs	SEAFDEC	Others	
Activity 1: Regional Workshop on Facilitating fisheries activity information gathering through introduction of CBRM/Co-management in the Southeast Asian	IV. Policy	12	15 IFRDMD 1	FRA (1)	25,500
Activity 2: Strengthening training on site to introduce the appropriate participatory mechanism of CBRM/Co-management including the methodology on gathering fisheries activity information	II. Training	-	-	-	No activity in 2019
Activity 3: Monitoring and facilitating 3.1.1 Monitoring and facilitating the CBRM/Co-management the pilot site in Vientiane, Lao PDR	I. Research				
• 17-23 March 2019		462 (147)	2		5,511.7
• 23- 26 July 2019		50 (15)	3, IFRDMD 7		3,676.1
• 23-26 September 2019		30	2		6,500
3.1.2 Monitoring and facilitating the CBRM/Co-management the pilot site in Khammouane Province, Lao PDR	I. Research				
• 29 April- 4 May 2019		22 (4)	1	-	4,725.7
• 2-4 September 2019		29 (8)	2	-	5,500

3.2.1 Monitoring and evaluation CBRM/Co-Management Project in Nam Oon Dam Sakon Nakhon, Thailand	I. Research				
• 4-7 March 2019		21 (11)	4	-	1,750.9
• 21-24 May 2019		141 (34)	3	Hokkaido University (1) Rajamangala University (2)	1,815.8

Remarks) Regarding the number of participants, please indicate total number of participants (and number of female participants within), such as 20 (10).

3. Achievements and Expected Outcome/Outputs of the Activity:

Planned activity	Expected outcome/output	Achievements
Activity 1: Regional Workshop on Facilitating fisheries activity information gathering through introduction of CBRM/Co-management in the Southeast Asia	The key factor for successful of promotion CBRM/Co-management were identified and the lesson learned from case study will be shared further apply among Member Countries	The Regional Workshop will be organized on 22-24 October 2019 at Sakon Nakhon Province to review the project implementation and to share the lesson learned among Member Countries.
Activity 2: Strengthening training on site to introduce the appropriate participatory mechanism of CBRM/Co-management including the methodology on gathering fisheries activity information	The Fisheries officers of Member Countries gain knowledge and better understand in CBRM/Co-management concept and further apply in their work	None of activities implemented in year 2019.
Activity 3: Monitoring and facilitating 3.1.1 Monitoring and facilitating the CBRM/Co-management the pilot site in Vientiane, Lao PDR	Fisheries Management through CBRM/Co-management approach would be strengthened and further develop the appropriate model of CBRM/Co-management for the Southeast Asian Region	The fishers, local people and local fishery officers were built capacity on fisheries co-management, the extension media material such as posters and brochures were distributed to fishers for more clearly understand and raise awareness on the importance of fisheries co-management and the fisheries rules and regulations in Nam Xouang Reservoir, as well as the capacity building of the MCS by fishers' participation was introduced to the Fisheries Management Committee (FMC) including patrolling boats with engine were provided to the patrolling team. Furthermore, the IFRDMD presented them on the result of fish stock and the MSY of the important species. In

		<p>order to promote the sustainable development in the reservoir, human well-being dimensions (improving fishers' livelihood) are also very important. The study trip was conducted for the fishers and local officers from Nam Xouang reservoir to learn and exchange the experiences with the success case studies on fishery resources management including strengthening fisher's livelihood.</p>
<p>3.1.2 Monitoring and facilitating the CBRM/Co-management the pilot site in Khammouane Province, Lao PDR</p>		<p>The human well-being is recognized that the important component for sustainable development. In order to enhance alternative livelihood, the Aquaculture Group was established under Fisheries Management Committee (FMC) of Banmai Namprakan village. The training course on fish aquaculture technique was organized at the project site attending by 12 aquaculture group members and 10 community members (M:18, F:4) with inviting the resource person from Nam Xouang Aquaculture Center, Vientiane, Lao PDR to provide knowledge on catfish culturing and conduct trial catfish culturing which divided into two (2) type of culturing 1) cement pond 2x3x1.2 meter and 2) Concrete Pipe size 1x0.4 meter. Moreover, the community members can learn and gain experience with involving in trial cases of the aquaculture activity, the knowledge of fish aquaculture technique could be transferred to the neighbor village that will support their livelihood. The data collection on fish catch was conducted in the project site with collaboration work between local officers and community finished in June 2019, the data will be summarized and report back to the community.</p>
<p>3.2.1 Monitoring and facilitating CBRM/Co-Management Project in Nam Oon Dam Sakon Nakhon, Thailand</p>		<p>The local meeting was organized at the communities around Nam Oon Dam to review the project activities and report the result of data collection by logbook and stock assessment research, as well as to make understand on fisheries rule and regulation on closing season, the type of fishing gear prohibit to use in Nam Oon Reservoir. Moreover, the Professor from</p>

		Rajamangala University of Technology Isan Sakhon Nakhon Campus also participate to present the research result on the diversity of fish juvenile in Nam Oon Dam, this scientific result could be supporting the information for defining the fisheries management measures.
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4. List of Completed Publications and Others (e.g. technical report, VDO, presentation file, etc.):

List of completed publications for the year 2019	Type of media	Attached e-file
1. Report on Monitoring and Facilitating the CBRM/Co-management the pilot site in Vientiane, Lao PDR, 17-23 March 2019, 23-26 July 2019, and 23-26 September 2019	Hard copy and PDF	
2. Posters and hand fan for increasing knowledge on fisheries rules and regulations in Nam Xouang reservoir	Posters 100 Hand fan 500	
3. Presentation on Status of Fisheries Resources in Nam Oon Dam Sakon Nakhon, Thailand	PDF	
4. Presentation on Result of catching data from logbook of Nam Oon Dam Sakon Nakhon, Thailand	PDF	

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

Planned activity	Evaluation/ Views from Participants
Activity 1: Regional Seminar on Improvement CBRM/Co-Management approach in Coastal small-scale and Inland Fisheries of the Southeast Asian Region	-
Activity 2: Strengthening training on site to introduce the appropriate participatory mechanism of CBRM/Co-management including the methodology on gathering fisheries activity information	-
Activity 3: Monitoring and Facilitating Sub-activity 3.1: Monitoring and additional support for member countries activities of facilitating CBRM/Co-management and gathering fisheries activity information	-
Sub-activity 3.2: Study on appropriate activities sustainable for CBRM in fisheries community in Southeast Asia.	-

6. Major impacts/issues:

<ol style="list-style-type: none"> Human well-being dimensions (improving fishers' livelihood) are also very important and should be promoted for the fishers and local officers in the respective area. The local people were encouraged to conduct the group activities such as fish processing activity, they found the difficulties on the management system that quite difference from the individual work. The participation of community members is the important factor to implement the Community-based

Resources Management/Co-management project. It might take time to provide knowledge and introduce them for better understanding on sustainable fisheries resources management. Therefore, the project should be implemented for long term that could contribute to the effective outcome.

4. The scientific data and research work are necessary as basis to support to define the fisheries management measures. It would be useful when conducting the research activity in the project area.

PART III: ACHIEVEMENTS IN OVERALL PROJECT DURATION

1. Abstract of Achievements in the Overall Project Duration:

The Project carried out to support the SEAFDEC Member Countries (MCs) by discussing and exchanging information/opinions and the way forward for promoting the effective way of fisheries information gathering in coastal small-scale and inland fisheries through the Regional Workshop. The project supported MCs through the activities on on-site training “Facilitating Fisheries Information Gathering Through Introduction of CBRM/Co-management” in order to strengthen the capacity of Fisheries Officers in MCs. Moreover, the Project provided additional support to Fisheries Officers in the implementation the project activities in the pilot sites of Cambodia, Lao PDR and Thailand, to introduce CBRM/Co-management, as well as to design fishery management plans under appropriate participatory mechanism of CBRM/Co-management.

2. Implemented Activities/sub-activities in the Overall Project Duration:

List of Activities	Description of Implemented Activities
Activity 1: Regional Workshop on Improvement of Fisheries Information Collection in Coastal Small-scale and Inland Fisheries of the Southeast Asian Region	The Regional Workshop have conducted for two (2) times at the first and last year of project. The Regional Workshop on Improvement of Fisheries Information Collection in Coastal Small-scale and Inland Fisheries of the Southeast Asian Region was held in January 2013 to review the problems of fisheries data collection in coastal and inland small-scale fisheries including identify the issues and difficulties of fisheries data collection, as well as the effective ways of data collection were discussed in the Regional. However, the project will complete in December 2019, the Regional Workshop on “Facilitating fisheries activity information gathering through introduction of CBRM/Co-management in the Southeast Asia” will organize in October 2019 to review the project implementation and to share the lesson learned among Member Countries.
Activity 2: Strengthening training on site to introduce the appropriate participatory mechanism of CBRM/Co-management including the methodology on gathering fisheries activity information	Training on Trainers (TOTs) courses were conducted in Member Countries of Cambodia, Lao PDR, Malaysia, the Philippines, Thailand and Vietnam from 2013-2016. The training course aim to introduce the appropriate participatory mechanism of Co-management/Community-based resources management including the methodology on gathering fisheries activity information including practical planning and implementing the applicable coastal/inland fishery management plans.
Activity 3: Monitoring and facilitating 3.1 Monitoring and additional support for member countries activities of facilitating	The pilot sites were selected in three (3) Member Countries namely; Cambodia, Lao PDR and Thailand to promote CBRM/Co-management approach, SEAFDEC has assisted fisheries officers of Member Countries in conducting the project activities in collecting and analyzing information from fisheries community for policy

CBRM/Co-management and gathering fisheries activity information	formulation, also in designing coastal and inland fishery management plans through participatory mechanism of CBRM/Co-management approach, that suit the local condition.
3.2 Study (Base-line survey) on appropriate activities sustainable for CBRM/Co-management in fisheries community of Member Country.	SEAFDEC in collaboration with the Department of Fisheries, Thailand, selected Nam Oon Dam, Sakon Nakhon Province as the pilot site to implement the CBRM/Co-management and building the capacity of the fisheries community with various activities such as baseline survey, build awareness on fisheries management, local workshop on define the fisheries management measures, monitor the fisheries resources through participatory mechanism.

3. Achievements and Outcomes/Outputs of Activities in the Overall Project Duration:

List of Activities	Achievements and Outcomes/Outputs of Activities
Activity 1: Regional Workshop on Improvement of Fisheries Information Collection in Coastal Small-scale and Inland Fisheries of the Southeast Asian Region	In 2013, the Regional Workshop on Improvement of Fisheries Information Collection in Coastal Small-scale and Inland Fisheries of the Southeast Asian Region, discussed and exchanged information/opinions and adopts on the way forward for promoting the effective way of fisheries information gathering in coastal small-scale and inland fisheries .For year 2019, the second Regional Workshop on “Facilitating fisheries activity information gathering through introduction of CBRM/Co-management in the Southeast Asia” the case studies on data collection through CBRM/Co-management will be shared among Member Countries that could be further apply to their own Countries.
Activity 2: Strengthening training on site to introduce the appropriate participatory mechanism of CBRM/Co-management including the methodology on gathering fisheries activity information	The fisheries officers of Member Countries in Cambodia, Lao PDR, Malaysia, the Philippines, Thailand and Vietnam were strengthened the capacity development on CBRM/Co-management including the methodology on gathering fisheries activity information, they could clear understanding on the concept and transfer the knowledge to the local fisheries officers and local communities, then they could apply the knowledge to encourage the communities in fisheries management process.
Activity 3: Monitoring and facilitating	The monitoring and facilitating have conducted in pilot sites namely: 1) Cambodia (Chong Khneas Commune, Siem Reap) 2) Lao PDR (Nam Xouang reservoir and Khammouane Province) 3) Thailand (Nam Oon Dam, Sakon Nakhon Province)
3.1.1 Monitoring and evaluation CBRM/Co-Management Project in Chong Khaneas, Siem Reap, Cambodia	SEAFDEC follow up the activities of the Communities Fisheries (CFi) Implementing Plan with CBRM/Co-management approach by providing technical support to Community Fisheries of Chong Khneas commune especially the management of conservation zone and promote eco-tourism activity. In addition, Communities Fisheries members gained knowledge and practice to construct the fiber glass boat through the training course providing by SEAFDEC.
3.1.2 Monitoring and facilitating the CBRM/Co-management the pilot site in Vientiane, Lao PDR	The Fisheries Management Committee (FMC) were established in Naxythong and Phone Hong District which located in the upper and lower of Nam Xouang Reservoir. The fisheries rules and regulations of Nam Xouang reservoir had been completed and accepted by the FMC members and announced with the sign boards, as well as the buoys installation was conducted for conservation zone demarcation, after that strengthening the surveillance activity. In order to enhance the fisheries resources, the

	<p>training course on mobile hatchery system was introduced to the fishers around Nam Xouang reservoir. The fishers were built capacity on the management system of reservoir through study trip activity and SEAFDEC produced extension material such as poster and brochures to raise awareness on fisheries resources management. In addition, SEAFDEC/IFRDMD has collaborate work on the study of stock assessment and MSY of important species in Nam Xouang Reservoir.</p>
<p>3.1.3 Monitoring and facilitating the CBRM/Co-management the pilot site in Khammouane Province, Lao PDR</p>	<p>The Fisheries Management Committee (FMC) and conservation zone was established at Banmai Namprakan Village, a pilot site in Khammouane Province. The sign board on the regulation and conservation area mapping was installed at Conservation area of Namprakan River as well as the Patrolling Unit was established to conduct the surveillance activity. FMC members gained knowledge and experience on the Fisheries Management system from study tour to Bolikhamsai province. The fish releasing activity was conducted at conservation area of Banmai Namprakan River during National fish releasing day to enhance awareness of community members for fisheries resources conservation. The project has promoted the alternative livelihood program by introducing fish processing technique and fish aquaculture technique to the Community members that they gained knowledge and experience to operate business under group management. However, the statistic and fish market survey were conducted to collect fisheries data as supporting information to develop the fisheries management plan and other framework.</p>
<p>3.2.1 Monitoring and facilitating CBRM/Co-Management Project in Nam Oon Dam Sakon Nakhon, Thailand</p>	<p>SEAFDEC and Department of Fisheries Thailand selected Nam Oon Dam, Sakon Nakhon Province to be a pilot site. The baseline survey was conducted to understand the condition of area, then the fishers around Nam Oon Dam were enhanced knowledge through the training course on CBRM/Co-management. The local workshop was organized to define the appropriate fisheries management measures for Nam Oon reservoir with participatory approach and the common fisheries rule and regulation were announced with the installation of sign board and clearly define the conservation area by installation buoys for demarcated zone. The monitoring of fisheries resources activity involved by 32 voluntary fishers collect data with recording their catch data into logbook. In addition, the stock assessment research was conduct by using enumerator collect the catch data and send data to SEAFDEC/TD for analysis, then the research on “Yield per Recruit Analysis for White Eyes Barb Fishery in Nam Oon Reservoir” was presented to the communities as well as the result of catching data. However, the local fisheries officers have plan to expand the Nam Oon model to implement in the other area.</p>

4. Evaluation and Major Impacts/Issues in the Overall Project Duration:

<ol style="list-style-type: none"> 1. The project pilot site selection is not covering the coastal area. It has site only in inland fisheries, namely; Cambodia, Lao PDR and Thailand. 2. The participation of community members is the important factor to implement the CBRM/Co-management project. It might take time to provide knowledge and introduce them for better understanding on sustainable fisheries resources management. Therefore, the project should be implemented for long term that could contribute to the effective outcome. 3. The scientific data and research work are necessary as basis to support to define the fisheries

management measures. It would be useful when conducting the research activity in the project area.

4. When implementing the project activities with the local people, we need to consider the people culture in each area. Because the participation from people also is depended on their culture.
5. The project activities are very useful for the fishers, they are appreciated the project even some activities cannot be implemented because of limited budget and time.

5. Publications and Others (e.g. technical report, VDO, presentation file, etc.):

- Fish for the People, Volume 15 Number 3, 2017, Page 27-29 “Promotion Community-based Resources Management: a Case Study in Nam Oon Dam, Sakon Nakhon Province, Thailand”
 - “Yield per Recruit Analysis for White Eyes Barb Fishery in Nam Oon Reservoir” (presentation file)
 - Species Diversity of Commercial Fishes From Ban Mai, Nam Pakan, Khammoune Province, Lao PDR (technical report)
-