



Follow-up Actions to the Directives Given at the 41PCM
5-7 November 2018, Langkawi, Malaysia

Issues	Para	Responsible Department	Progress (1 st Quarter) (November 2018 -January 2019)	Remarks
PROGRAM UNDER the FCG/ASSP				
Strategy I: Securing the sustainability of fisheries to contribute to food security, poverty alleviation and livelihood of people in the region				
(1) Human Resource Development for Sustainable Fisheries		TD		
- TD to consider in the future, the possibility of supporting the introduction of EAFM concept in three sites in Thailand, two for inland and one for coastal areas	10		In January 2019, TD introduced the EAFM concept in two learning sites: in Krabi Province for the coastal and in Chaiyaphom Province for inland fisheries. Another site is now being identified where the EAFM concept for aquaculture will be introduced around the middle of the year.	
- TD to consider supporting an initiative in the promotion of EAFM at a new pilot site in Kaw Thaug, Myanmar	11		TD is looking and trying to seek budget support from any source to conduct a workshop in Myanmar which aims to come up with draft plan on ecosystem fisheries management for Kaw Thaug, Myanmar.	
- TD to consider extending the future project activities in Tonle Sap Lake of Cambodia	13		TD is looking and trying to seek budget support from any sources to conduct a workshop in Cambodia which aims to come up with draft plan on ecosystem fisheries management for Tonle Sap Lake of Cambodia.	
- TD to share the lessons learnt from the different pilot sites, and consider the development of KPIs for each project	14		TD TD will conduct a regional workshop in October 2019 to share the knowledge and discuss on the way forward on the application of EAFM SEC As for KPIs, generally these are being incorporated in the program monitoring and evaluation of each project, and included when reporting the progress or final outputs of the projects, to the PCM. Improvements on the use of KPIs for project activities implementation will be carried out.	
(2) Optimizing Energy Use/Improving Safety Onboard in Fishing Activities		TD		
- TD to consider conducting a pilot demonstration in 2019 for improving fish handling onboard tuna purse seiner in Bin Dinh Province, Viet Nam	18		TD has already completed the system design, and will arrange and consult with Viet Nam for the documentation and logistic processes by June 2019, and complete the project by the end of 2019.	
- TD to investigate the significant outcomes of the project using measurable indicators to compare the situation before and after the project implementation	21		Viet Nam and TD will compile the information, from which the measurable parameters and indicators could be identified.	

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(3) Promotion of Sustainable Fisheries Resources Enhancement Measures in Critical Habitats/Fishing Grounds in Southeast Asia		TD		
- TD to consider engaging aquaculture in resource enhancement projects to enhance the production of the species for conservation, such as production of multi-species seeds for stock enhancement in natural habitats	23		During the Regional Technical Meeting in 2019, TD will discuss with AQD on how to incorporate aquaculture in resource enhancement projects to enhance the production of the species for conservation, such as production of multi-species seeds for stock enhancement in natural habitats.	
- TD to consider incorporating the development of effective FADs and FEDs, as well as formulating standard procedures for assessing the abundance of the resources prior to and after the deployment of FADs and FEDs	24		TD in collaboration with Burapa University is conducting the research study on effectiveness of FADs and FEDs. The Standard Operational Procedures for assessing the abundance of the resources as impact from the deployment of FADs and FEDs is one of the outputs from this research study, which is expected to be completed before the end of 2019. The SOP will be ready for dissemination tentatively in 2020.	
- TD to consider extending the activities on crab bank to other sites in Cambodia, <i>i.e.</i> Kampot Province and to provide awareness raising materials for dissemination in the landing sites of the four coastal provinces	27		Since the budgetary allocation for 2019 does not provide funds for the crab bank project which was originally designed for one year duration only, the project manager will discuss with the JTF Manager for the possibility of providing additional financial support.	
- TD to invite Malaysia to take part as observer in the workshop on hilsa resources that will be conducted for Myanmar and Thailand	28		Project Manager took note the request from Malaysia.	
- TD to consider conducting a workshop to introduce FEDs in Indonesia in 2019	29		Since the budgetary allocation for 2019 does not provide funds for the conduct of additional workshop, but if the country would organize a national training or national workshop, request will be made for minimal support from the JTF, <i>i.e.</i> for travel and accommodation only, of a resource person to attend and exchange information during the training or workshop.	
- TD to develop a basic model on sustainable resource enhancement that would also include aquaculture to guide the communities in making their own fisheries management programs	30		During the Regional Technical Meeting in 2019, TD will discuss with AQD on the development of a basic model that incorporates aquaculture, to serve as guide for the communities in making their own fisheries management programs.	
(4) Enhancement of Sustainability of Catadromous Eel Resources in Southeast Asia		IFRDMD		
- IFRDMD to develop guidelines aimed at raising the awareness of local people about the importance of glass eels	33		IFRDMD plans to organize the International Workshop to develop the guidelines on conservation, management and sustainable utilization of tropical eel resources, that aims to raise the awareness of local people about the importance of the glass eel resources	
- IFRDMD to conduct biological studies aiming for the conservation of the eel resources	33		Ongoing study addresses this issue.	
- IFRDMD to consider the possibility of adopting appropriate stock assessment models that could make use of very limited data	34		IFRDMD organized the in-house training for development of the stock assessment model for tropical eel resources. The development of stock assessment model will be included in Phase II of the project.	

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(5) Promotion of Responsible Utilization of Inland Fisheries in Southeast Asia		IFRDMD		
- IFRDMD to continue exerting efforts to link this project with other relevant programs of IFRDMD related to the promotion of inland capture fisheries	36		IFRDMD continued to collect catch data for inland fishery resource management, not only in Indonesia, but also in other Southeast Asian countries. The data would also be used by the project for the effective management of inland fisheries and aquaculture with the use of GIS & RS technology.	
(6) Promotion of Countermeasures to Reduce IUU Fishing Activities		TD		
- TD to consider in its plans for combating IUU fishing the following activities: 1) capacity building on fisheries surveillance to combat IUU fishing; and 2) regional capacity building on investigation and inspection techniques, and fisheries law enforcement to combat IUU fishing	39		These concerns will be considered during the planning of the project activities for 2020-2025.	
- TD to consider expanding the scale and contents of the project on combating IUU fishing	40		These concerns will be considered during the planning of the project activities for 2020-2025.	
- TD to seek the consensus of the Member Countries prior to the expansion of the RFVR to cover those vessels less than 24 meters in length	40		Suggestion was discussed during the RFVR Meeting on 12-13 December 2018, where it was agreed to expand the Database to cover fishing vessels less than 24 meters in length, starting in 2020.	
- TD to consider communicating with FAO to request for updated information on the development of the Global Fishing Vessel Record; and linking the RFVR with and serve as inputs to the FAO Global Fishing Vessel Record	40		TD discussed this concern with FAO during the RFVR Meeting in December 2018, since the FAO Official responsible for the FAO Global Record also attended the RFVR Meeting.	
- TD to consider establishing a regional network for facilitating communication and exchange of information on the status of implementation of the PSMA among the ASEAN Member States (AMSs)	40		A network on PSMA has already been developed by FAO and accessible through their website, therefore, TD will no longer develop another network that would duplicate that of FAO's.	
- TD to consider organizing an expert consultation to develop a harmonized protocol for vessel inspection at sea especially in areas within and beyond national jurisdictions, by contacting the concerned RFMOs to obtain information on their respective procedures for vessel inspection at sea	41		These concerns will be considered during the planning of the project activities for 2020-2025.	
- TD to consider conducting Training of Trainer on vessel inspection, as well as observer onboard fishing vessel	44		The training for vessel inspection is planned to be organized in 2019 in collaboration with partner agencies.	
(7) Offshore Fisheries Resources Exploration in Southeast Asia		TD		
- TD to consider involving Thailand in the activity on tuna stock assessment in Sulu-Sulawesi Sea, and to extend its training course on growth analysis based on otolith samples to Thailand	48		The possible involvement of Thailand in the stock assessment of tuna in Sulu-Sulawesi seas is being considered in the project plan, where appropriate. The concern of Thailand to be involved in the training course on growth analysis based on otolith samples is being considered in the project's future plans.	

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- TD to check with concerned RFMOs on their activities related to tuna stock assessment to ensure that the SEAFDEC stock assessment initiatives would support rather than duplicate the work of such RFMOs	49		SEAFDEC will report its project activities related to HRD program on stock assessment and seek comments from responsible RFMOs.	
- TD to include brief results from the stock assessment activity when reporting the progress to the next PCM as this would be useful in the discussion of the future workplan	50		Result of the stock assessment was already published for dissemination to MCs. Suggestions and comments could still be provided to SEAFDEC for consideration during the next PCM.	
- TD to continue conducting stock assessment of tuna in Sulu-Sulawesi Sea, the results of which could be conveyed to WCPFC for reference	50		TD will distribute the report on stock assessment of tuna in Sulu-Sulawesi Seas to WCPFC.	
- TD to continue assisting Cambodia in strengthening the capacity of the country's fishery officers in analyzing the data and finalizing the results of the survey undertaken in 2018 using the M.V. SEAFDEC 2	51		During the Regional Technical Meeting on the Evaluation of the Collaborative Research Survey on Marine Fisheries Resources and Marine Environment in the Gulf of Thailand (SEAFDEC Training Department, 7-8 January 2019), the requirement of Cambodia was considered for the future plans of the project.	
- TD to exchange and disseminate information with the CTI-CFF especially on the results of the works undertaken by SEAFDEC in this particular area	52		TD will disseminate the information on stock assessment of tuna in Sulu-Sulawesi Sea to the CTI-CFF in an appropriate forum.	
- TD to consider including in this project, the modernization of fishing vessels for the sustainability of fishery resources	54		SEAFDEC Researchers participated in the deep sea resources survey in Andaman Sea under the National Research Survey of Thailand in collaboration with FAO and the Norwegian Government. The experience gained by the SEAFDEC staff, especially on modern fishing technology of the RV Dr. Fridtjof Nansen for deep sea resources survey using deep sea trawl and midwater trawl, would be echoed to and shared with the AMSs in the future through appropriate activities or materials.	
(8) Comparative Studies for Management of Purse Seine Fisheries in the Southeast Asian Region		MFRDMD		
- MFRDMD to establish reference points towards and harvest control rules for transboundary stocks, as well as to conduct biological studies on other important species such as round scads, neritic tunas, and sardines	58		MFRDMD will assist the AMSs to establish reference points towards and harvest control rules for transboundary stocks, as well as in the conduct biological studies on other important species such as round scads, neritic tunas, and sardines.	
- MFRDMD to consider providing technical assistance to the countries through capacity building as part of the project future plan, to enable the countries to analyze the appropriate Maximum Sustainable Yield (MSY) and Total Allowable Effort (TAE) of target species.	59		MFRDMD will organize an internal workshop on 12-14 February 2019 in Malaysia to present the preliminary outputs of the regional synthesis and the future activities under the project.	
Strategy II: Supporting the sustainable growth of aquaculture to complement fisheries and contribute to food security, poverty alleviation and livelihood of people in the region				
(9) Reinforcement and Optimization of Fish Health Management and the		AQD		

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Effective Dissemination in the Southeast Asian Region				
- AQD to consider including Thailand as participating country for Activity 5: Technology Extension and Demonstration considering that Thailand has large-scale aquaculture industry	67		Thailand will be invited in the AQD training courses that will be developed from Activity 5 of the Project.	Ongoing
<u>Strategy III :Ensuring the food safety and quality of fish and fishery products for the Southeast Asian region</u>				
(10) Chemicals and Drug Residues in Fish and Fish Products in Southeast Asia- Biotoxins (ASP, AZA and BTX) and Harmful Algal Blooms (HABs) in the ASEAN Region		MFRD		
- MFRD to consider including the harmonization of techniques for detecting and analyzing biotoxins from harmful algal blooms (HABs) in the region and the development of reference points for biotoxin analysis	68		MFRD will discuss these recommendations with the MCs at the End of Project Meeting in July 2019.	
<u>Strategy IV: Enhancing trade and compliance of the region's fish and fishery products with market requirements</u>				
(11) Cold Chain Management for Seafood		MFRD		
- MFRD to submit the guidelines on Cold Chain Management of Seafood to FCG/ASSP for support and subsequently, for submission to the next SEAFDEC Council Meeting for endorsement	69		The draft Guidelines on Cold Chain Management of Seafood was supported by FCG/ASSP, which recommended that this should be submitted to the SEAFDEC Council and the ASEAN mechanism in 2019 for endorsement.	
(12) Combating IUU Fishing in the Southeast Asian Region through Application of Catch Certification for Trading of Fish and Fishery Products		SEC		
- SEAFDEC Secretariat to update the information on international fish trade-related issues, and to upload the information on international trade in the respective countries of current RFPN members, in the SEAFDEC website by the end of 2018.	70		The Secretariat updated information on international fish trade-related issues and upload in the website. The country profile on international fish trade of some Member Countries were also prepared by the RFPN members stationed at Secretariat in 2018 and updated in the website.	
<u>Strategy V: Addressing cross-cutting issues, such as labor, gender and climate change, where related to international fisheries</u>				
(13) Assistance for Capacity Building in the Region to Address International Fisheries-related Issue		SEC		
- SEAFDEC to include Malaysia as one of the project sites in 2019 for the eACDS activities	72		As suggested by DOF Malaysia, two pilot sites will be used for this activity: Selangor and Kelantan. Information survey will be carried out in Malaysia on Key Data Element for the eACDS database development including identification of focal points for eACDS activities from the Central Government and project sites, consultations will be convened to introduce the eACDS, and visit to the pilot sites will be organized in March or April 2019.	
- SEAFDEC to ensure that the eACDS would target not only commercial fisheries but also small-scale fisheries as this is very	74		Development eACDS for small scale fisheries will be carried out as the next step.	

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important sub-sector for the region				
<u>Strategy VI: Empowering SEAFDEC to strengthen its roles in the region and to improve its services to Member Countries</u>				
(14) Fisheries Resource Survey and Operational Plan for the M.V. SEAFDEC 2		TD		
- TD to consider the proposal of Viet Nam on the use of M.V. SEAFDEC 2 in the conduct of a survey of marine fisheries in Viet Nam for a period of two months from June to August 2019	77		TD has communicated through email to RIMF of Viet Nam requesting for the tentative program of the survey.	
- TD to provide the services of its resource persons to support the conduct of a training course in Thailand on marine resources survey onboard a Thai research vessel in 2019	78		The training program has already been developed and approved for March 2019, and will be discussed with DOF Thailand.	
- TD to consider the proposal of Malaysia on the use of the M.V. SEAFDEC 2 for its mid-water trawl survey in Malaysian waters in 2019	79		MFRDMD already received information from TD regarding expenditures from the resource survey conducted in Malaysian waters utilizing the MV SEAFDEC 2 in 2016, the information will be used for planning the survey in Malaysia in 2019 TD started communicating with Malaysia through SDC of MFRDMD, while the budgetary plan is being prepared.	
(15) Strengthening SEAFDEC Network for Sustainable Fisheries				
- TD to extend assistance to Cambodia in the modification of its marine fishing vessel database to accommodate changes in the vessel classification from Horsepower to length class	80	TD	This concern is being considered under the JTF Project Optimizing Energy Use/Improving Safety in Fishing Activities, which will organize the Regional Review Training on Optimizing Energy and Safety at Sea for Fishing Vessels in June 2019. TD will explore the possibility to accommodate such request into activity of this project.	
- SEAFDEC to sustain the regional and/or sub-regional mechanism in addressing fisheries-related issues, as well as to maintain such network for long-term after the completion of the relevant project supporting the mechanism	84	SEC	Under current JTF budget, there is a project aiming at addressing fisheries-related issues. In this regard, the Secretariat will keep continue this issue to be accommodated into the new phase of JTF budget arrangement for long-term support to AMS.	
<u>Special Projects</u>				
(1) Fisheries and Habitat Management, Climate Change and Social Well-being in Southeast Asia		SEAFDEC Sweden project		
- SEAFDEC to communicate with the Government of Sweden requesting for the possible extension of the project after its completion in 2019	86		The funding support from Sweden will be completed by the end of 2019. The status of the Project will be presented during the next SEAFDEC Council Meeting for the information of the Council.	
- SEAFDEC to promote the application of the SEAFDEC gender toolkit in Myanmar in 2019	86		The SEAFDEC Gender Working Team will be reviewing the Gender Toolkit starting in February 2019. Regarding promotion of the application of the SEAFDEC gender tool kit in Myanmar in 2019, the project will explore possible funding support as the SEAFDEC Sweden would not be able to support this request from Myanmar.	

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- SEAFDEC to continue extending its support in strengthening the transboundary fisheries management in the upper Mekong River Basin between Lao PDR and Thailand (Bo Keo in Lao PDR and Chiang Rai in Thailand)	88		Due to the budget for this continuation is not available for carrying out the suggested activities, the project will explore possible funding support.	
- SEAFDEC to discuss with the ASEAN Secretariat the possible submission of the results of the stock assessment and risk assessment of neritic tunas to concerned policy makers in the future	91		MFRDMD will assist the AMSs on the assessment of neritic tuna resources in their respective countries, and will raise the management issues for neritic tunas in the region to the ASEAN Secretariat	
- SEAFDEC to sustain the activities on neritic tunas in order to obtain data that could serve as scientific basis towards the sustainable utilization of the species, considering that such work would complement the work of IOTC, and not duplicate any of the stock assessment initiatives of WCPFC	93		During the 5 th Meeting of the SWG-Neritic Tunas on 9-11 January 2019, one of the recommendations was for this forum to continue, but the cost of countries' participation will be borne by the respective countries, while JTF would possibly provide partial funding for organizing the Meeting.	
(2) The Oceans and Fisheries Partnership (USAID Oceans)		USAID Ocean		
- USAID Ocean to establish appropriate channel for sharing of information particularly on the progress of works in the project learning sites so that the developed technologies could be adopted by other countries	96		USAID Oceans created a new menu on traceability tools which has been uploaded to its official website, meant to provide information and updates on the electronic Catch Documentation and Traceability (eCDT) technologies supported and implemented by the program. USAID Oceans also shares lessons and experiences from its learning sites through its "Making Waves" eNewsletter, and participation in regional and global events.	
- USAID Ocean to respond to the request of Thailand during the last ASWGF and the Oceans Technical Working Group (TWG) Meeting in 2018 on how the information collected from the learning sites could be shared, and on how the activities in the expansion sites in Thailand could move forward	96		USAID Oceans will organize: (1) 3-day workshop on electronic Catch Documentation and Traceability (eCDT) for the Department of Fisheries-16, 2019; (2) a regional training workshop on gender analysis for fisheries management and development for TWG gender focal persons from expansion site II countries (ASEAN) on March 12 – 14, 2019 in Vientiane, Lao PDR; (3) regional training workshop on gender analysis for fisheries management and development for TWG gender focal persons from expansion site I countries (Malaysia and Thailand) in July/August 2019; and (4) regional workshop in June/July 2019 (date to be confirmed) as proposed by the CTI-CFF to be held with USAID Oceans inputs. This would allow USAID Oceans and SEAFDEC to share lessons learned from Bitung, Indonesia and General Santos, Philippines with CT6 member countries and the ASEAN.	
- USAID Oceans to provide information to Thailand on the exact schedule and detailed workplan in support of expansion I and II sites as indicated in the 2019 project workplan	96			
Departmental Programs				
Aquaculture Department				
(1) AQD to continue sharing information and technologies to the SEAFDEC Member countries on the AQD's Departmental Program	101	AQD	AQD, through its Training Section, will actively invite participants from Member Countries to its annual regular training courses.	Ongoing
(2) AQD to share knowledge on aquaculture technology to Member Countries especially on broodstock management of tiger shrimps as	104			Ongoing

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well as establishing the mechanism for sharing information with other AMSs				
(3) Regarding the reinstatement of ADSEA (Aquaculture Development for Southeast Asia), AQD is requested to share information on aquaculture technologies and identify strategies for sustainable and responsible aquaculture in the region.	104		AQD is in the process of planning and organizing the ADSEA.	Ongoing
(4) AQD could consider including in the future studies on ornamental fish species, <i>e.g.</i> koi carp, especially for the benefit of countries that import broodstock from Japan.	105		As there would be difficulties in conducting studies on ornamental fish species due to certain factors, <i>e.g.</i> it is not part AQD's mandate since it is for ornamental purpose while AQD focuses on food security; and (2) Koi carp breeders are very expensive. AQD could however offer support in disease detection and prevention.	
(5) SEAFDEC to consider supporting the activities related to increasing the value added to products making use of seaweeds as raw materials	105	SEC/AQD	AQD could provide technical assistance only in the culture and production of seaweeds upon request by interested member countries.	Awaiting request from MCs
Training Department		TD		
(1) TD to allocate funds and assist Cambodia in conducting surveys to investigate the impacts from these gears to the fishery resources	107		TD budgetary allocation in 2019 does not include this activity, but TD could find the means of providing the technical staff to support the research study in Cambodia on the impacts of some fishing gears to the fishery resources.	
(2) TD to provide support in the implementation of the project "Promotion of Appropriate Technology and Practices of Fishing and Fishing Gear Engineering in Freshwater Area in Thailand," of which the proposal would be submitted to TD in due course.	108		Based on the proposal by DOF Thailand, TD is communicating with DOF for the further details with regards to this proposal.	
(3) TD to provide technical support in the conduct of training on safety at sea, <i>e.g.</i> basic safety for fishing vessels in accordance with the IMO regulations, as well as training to change the use of fishing gears that recently become illegal	109		Activities under JTF Project Optimizing Energy Use/Improving Safety in Fishing Activities for 2019 include the Regional Review Training on Optimizing Energy and Safety at Sea for Fishing Vessels to be organized in June 2019.	
(4) TD to collaborate with Malaysia in the future for co-organizing the advance training course	110		TD has provided to DOF Malaysia, the fishing technology training course syllabuses, <i>i.e.</i> basic knowledge of fishing technology for junior fisheries officers.	
Marine Fishery Resources Development and Management Department		MFRDMD		
(1) Took note of the project proposal on Collaborative research between JIRCAS and MFRDMD and the proposed activities for 2019 on the collaboration research between the Japan International Research Center for Agriculture Sciences (JIRCAS) and MFRDMD	113		MFRDMD will collaborate with JIRCAS and is communicating with JIRCAS office in Japan on the details of the collaborative research between JIRCAS and MFRDMD, especially the proposed activities for 2019 including the budget requirements.	
*Funding for the Departmental Programs are derived mainly from the host Government such requests may be incorporated in the appropriate projects when funding is available				
PIPELINE PROJECTS AND EMERGING NEEDS FOR PREPARATION OF FUTURE PROJECT PROPOSALS				

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(1) Development of stock assessment method and strengthening of resources management measures on Tropical Anguillid Eels in ASEAN Region				
- SEAFDEC Secretariat to continue seeking support from JAIF for the implementation of this project	120	SEC	The Proposal for the Second Phase of the Project will be submitted to JAIF in due time.	
(2) Second Phase of Enhancing Coastal Community Resilience for Sustainable Livelihood and Coastal Resources Management				
- MFRDMD to continue seeking funding from JAIF and other potential donors to be able to extend the project to Member Countries not involved in Phase I of the Project, e.g. Cambodia, Philippines, Thailand, and Viet Nam	121	MFRDMD	MFRDMD will send the Concept Note to the Secretariat before the end of January 2019.	
- MFRDMD to improve the proposal including the project duration which should be completed within two years and work with SEAFDEC Secretariat on the submission of the proposal to JAIF as to other potential donor	123	MFRDMD and SEC	MFRDMD will improve the Project Proposal, as suggested by the 41PCM.	
VII. OTHER MATTERS				
7.5 Capacity Development Workshop on Stock Status Assessment and Estimation of SDG Indicator 14.4.1 for the Asia Pacific Region				
- Activities related to estimation of the SDG Indicator should be conducted on an annual basis and adopted by the SEAFDEC Council	146	SEC	The Secretariat will consult with the concerned Departments and other relevant agencies (e.g. FAO) to explore the ways and means of establishing a system of estimating the SDG indicator, as recommended by the 41PCM.	