REPORT OF THE FOURTH MEETING OF THE ANDAMAN SEA SUB-REGION

Bangkok, Thailand 20-21 November 2018







THE SECRETARIAT SOUTHEAST ASIAN FISHERIES DEVELOPMENT CENTER

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REPORT OF THE FOURTH MEETING OF THE ANDAMAN SEA SUB-REGION 20-21 November 2018 Bangkok, Thailand

I. INTRODUCTION

1. The Fourth (4th) Meeting of the Andaman Sea sub-region was held on 20-21 November 2018, in Bangkok, Thailand, under the SEAFDEC-Sweden Project. The Meeting was participated by relevant government officials from Indonesia, Malaysia, Myanmar and Thailand as well as representatives from the Food and Agriculture Organization (FAO), SEAFDEC Secretariat, SEAFDEC/Training Department (TD), and the Regional Fisheries Policy Network (RFPN) members. The list of participants appears as **Annex 1**.

II. OPENING OF THE MEETING

- 2. The SEAFDEC Deputy Secretary-General, *Mr. Akito Sato*, in his capacity as *Chairperson* of the Meeting, welcomed the participants to the Meeting. He firstly reiterated the sub-regional efforts had been made by the SEAFDEC-Sweden Project and the FAO/Bay of Bengal Large Marine Ecosystem (BOBLME) Project since 2009 to provide the platform for the countries namely: Indonesia, Malaysia, Myanmar and Thailand to discuss on fisheries management with the ultimate goal for sustainable fisheries around the Andaman Sea Sub-region. He emphasized that the key issues were focused on the management and utilization of transboundary stocks, conservation and protection of important habitats, building up resilience and capacity for climate change and reduction of illegal fishing.
- 3. With the progress had been made since its 3rd Meeting in 2016, the SEAFDEC-Sweden Project continued support the countries to discuss at the Sub-sub-regional of Northern Andaman and Southern Andaman Sea in 2017, especially focused on management and utilization of transboundary stocks, the effort on management of fishing capacity and combat Illegal, Unreported and Unregulated (IUU) fishing in each Sub-regions, including the initiation of sub-regional MCS Networks together with development of port monitoring capacity. This 4th Meeting provided for the countries to update the progress on the country and regional partner's efforts that implemented and sought the opportunity to make a cooperation among countries around the Andaman Sea Sub-region. Before ending the remarks, he encouraged the participants to share information on the progress made in reference to the recommendations made during the previous meetings and come up with valuable recommendations for the benefits of stakeholders in the Sub-region, he then declared the Meeting open. His Opening Remarks appears as **Annex 2**.

III. BACKGROUND, OBJECTIVES AND ADOPTION AGENDA OF THE MEETING

4. The Andaman Sea Sub-region Coordinator for the SEAFDEC-Sweden Project, *Dr. Somchai Bussarawit* presented the background and objectives of the Meeting. After informed the proposed Agenda of the Meeting, without clarification, then the Agenda was adopted. The Prospectus and Agenda appears as **Annex 3**.

IV. REVIEW THE PROGRESS FROM THE PREVIOUS MEETINGS

5. While recalling the Meeting on the recommendations made at the 3rd Meeting of the Andaman Sea sub-region, which was convened in October 2016 in Bangkok, *Dr. Somchai* informed the Meeting on the progress of the activities conducted made by the SEAFDEC-Sweden Project in 2017-2018 such as transboundary fisheries resources management and effective management of fishing capacity and reducing IUU fishing in the Andaman Sea. His presentation appears in **Annex 4**.

V. STRENGTHENING COOPERATION ON TRANSBOUNDARY FISHERIES RESOURCES AND HABITAT MANAGEMENT

5.1 Northern Andaman Sea Sub-region (mackerels, neritic tunas, anchovies)

- 6. While informing on the background and rationale of the series of Technical Experts Meeting on the Information Compilation of Transboundary Species as Scientific Basis for National Measures for Northern and Southern Andaman Sea, which were convened in 2018, the representative from SEAFDEC/Training Department, *Mr. Sukchai Arnupapboon* presented the maps of spawning ground and season, fishing ground of mackerels, neritic tunas and anchovies, respectively, as outputs of compilation information of Thailand and Myanmar (form as the Northern Andaman Sea sub-region) which could provide as information for the consideration for management measures, controlling on the fishing capacity, the managed area and closed season for fishing, and restriction of fishing gear. His presentation appears as **Annex 5**.
- 7. The Meeting was informed on the regulations in Myanmar and Thailand to control fishing activities at sea includes *e.g.* Marine Protected Areas, Marine national parks, Local management of marine area (LLMA), closing season for all offshore fishing gear during July-August, and limiting of fishing gear for certain area, restriction of mesh size, push net with engine, pair trawler, purse seine with light luring, and prohibited area for fishing certain species.
- 8. In addition, the SEAFDEC-Sweden Project Manager, *Ms. Pattaratjit Kaewnuratchadasorn*, informed the Meeting that the compilation of the information were produced as digitized maps based on the data provided by each country. Based on this current information, it is expected that it would be useful information for future endeavours.

1.2 Southern Andaman Sea Sub-region (mackerels, neritic tunas, anchovies)

- 9. For the Southern Andaman Sea Sub-region, which covers Indonesia, Malaysia, and Thailand, similar study was also conducted by TD. *Mr. Sukchai* informed data of three fish species namely anchovies, mackerels, and neritic tunas, were compiled. In the presentation, it showed the information on migratory route, fishing and spawning grounds, spawning season, MPA zone, related laws and regulation, fishing gear restriction and temporal-spatial restriction, of the three targeted species. His presentation appears as **Annex 5**.
- 10. After the presentation, the Meeting was provided some modification and correction of the maps, after amended maps, it was agreed that this results will be published accordingly.

VI. OTHER MATTERS

6.1 Status of the new phase of FAO/Bay of Bengal Large Marine Ecosystem (BOBLME) Project

- 11. The representative from FAO, *Ms. Susana Siar* presented the update on the new phase of the Bay of Bengal Large Marine Ecosystem (BOBLME) Project, which is under the FAO/RAP. She highlighted on the importance of the Bay of Bengal Large Marine Ecosystem have very important critical habitats that provides food, large number of biodiversity, fisheries livelihoods, ecosystem services, the participating countries covers Bangladesh, India, Indonesia, Malaysia, Maldives, Myanmar, Sri Lanka, and Thailand.
- 12. She added that the overall Strategic Action Programme (SAP) vision of the Project is "A healthy ecosystem and sustainable use of marine living resources for the benefit of the people and countries of the Bay of Bengal Large Marine Ecosystem". The four Themes are composed of Marine living resources, Critical habitat, Water quality and Social economic consideration. The BOBLME Phase 2 is designed to implement based on the priority areas identified under each SAP Theme. It works through at national and decentralized level, with a regional component that allows flexibility on identification of activities to be undertaken at national/local level. Moreover, she stated that with regards to combating IUU fishing, the Project will building upon the current situation and on the existing activities of each country that would beneficial to the countries and the region. Her presentation appears as **Annex 6**.

VII. PROMOTION OF EFFECTTIVE MANAGEMENT OF FISHING CAPACITY AND REDUCTION OF ILLEGAL AND DESTRUCTUVE FISHING IN THE ANDAMAN SEA SUB-REGION

7.1 Country updates on Current Law and Legislation and Efforts on Management of Fishing Capacity and combating IUU fishing (NPOA-Capacity; NPOA-IUU)

> Indonesia

- 13. The representative from Indonesia, *Mr. Rizal Rifai*, presented country updates on the progress of the activities in related to fishing capacity management in Indonesia. According to government effort is a new paradigm, "the strong governance for sustainability mission". Indonesia strives to control/manage the fishing capacity are: (1) moratorium on issuance of foreign made fishing vessels; (2) ban on transshipment; (3) prohibition of trawl operation; (4) restriction of catch on crab, lobster and swimming crab due to size and gravid female; (5) improvement and transparency in service for licensing.
- 14. He further informed that current exploitation status of 11 Fisheries Management Area (FMA) in Indonesia where every FMA has legal basis for managing its fisheries resources. As for Andaman Sea is part of FMA 571, with legal bases for its fisheries management according to Ministerial Decree number 75/KEPMEN-KP/2016, regulate the fisheries management authority and mechanism based on area entity. In species, like sardine, flying fish, swimming crab, neritic tuna, the fishing regulation referred to ministerial legal basis. Tuna, neritic tuna, skipjack, based on 107/KEPMEN-KP/2015, regulation on the fisheries management based on species. The regulation have its own mechanism for controlling of catch such as input-output (total effort by licenses-total catch); fishing gear and technique (net mesh, the use of separator); spatial-temporal restriction (spawning season, MPA).
- 15. He added that to support the implementation of fishing capacity, other governmental effort stipulated (e.g. logbook, catch certificates for export purpose; catch documentation scheme (CDS); and harvest strategy in yearly management planning). Currently the estimated allowable stock is about 12.54 million tons; there are about 30,000 vessels with various sizes and fishing gear legally operated in Indonesia waters. This year, Indonesia government certified 1,200 vessels that comply to good fish handling practices integrated with good fishing practices. The presentation appears as **Annex 8**.

> Malaysia

- 16. The representative from Malaysia, *Mr. Abdul Rahman bin Abdul Wahab*, updated the Meeting that the Department of Fisheries Malaysia is in the process of establishing a specific area Fisheries Management (FMA) Plan with data intensive management approach, mainstreaming the Ecosystem-based Approach to Fisheries Management (EAFM), bridging the gap of the managers and the scientists through intensive capacity building.
- 17. He added that country effort on establishment of National Committee on Fish Stocks had been created to determine the exploitation status of the stock, overexploited or underexploited and so as better respond to the Sustainable Development Goal (SDG) 14, the Vessel modernization to look into standardized fishing vessel for better management, measure the fishing effort is also in their pipeline and development of the fishing gear specification by fishing marking. In addition, he mentioned on the updating the legal framework to follow international instruments since it is important to link to other inter-agencies collaboration. His presentation is shown in **Annex 9**.

> Myanmar

18. The representative from Myanmar, *Dr. Kyaw Kyaw* updated on current Law and Legislation and Efforts on management of Fishing capacity and combating IUU fishing in Myanmar. He emphasized on the activities in relation to Management of fishing capacity under the Marine Fisheries Law and the implementation by the related State and Regional level. He mentioned that Myanmar have been worked in progress in good collaboration with inter-agency cooperation between parliamentary members, donors, policy makers in the regional state and Union level. His presentation appears as **Annex 10**.

> Thailand

19. The representative from Thailand, *Ms. Doungporn Na Pombejra*, provided the updates information on current law and legislation and efforts on the management of fishing capacity and combating IUU Fishing. She started her talk by informed the Meeting that Thai's fisheries legal framework before 2015 that had no control on fishing effort, ineffective operational systems and no fulfill obligation. Thailand informed the Royal Ordinance on Fisheries 2015, and its amendments, on the Royal Ordinance on Thai Vessels 2018 and country efforts, the fisheries situation in Thailand improved. She also informed that to comply with the international standard, Thailand ratified/acceded in key international agreements such as The United Nations Convention on the Law of the Sea (UNCLOS), UN Fish Stock Agreement (UNFSA) and FAO Port state measure agreement (PSMA) etc. Her presentation appears in **Annex 11**.

7.2 Strengthening Monitoring (M), Control (C) and Surveillance (S) in the Andaman Sea Subregion

7.2.1 Countries updates on progress of national M, C and S

Indonesia

- 20. The representative from Indonesia, *Mr. Turman Maha*, gave a presentation on MCS System to Prevent, Deter, and Eliminating IUU Fishing. He emphasized on the importance of integration of multi stakeholders in Monitoring, Control, and Surveillance of marine and fisheries resources, based on Indonesia National Plan of Action with the aims of resources protection, preservation, and rehabilitation. He informed the Meeting in Indonesia at least seven agencies/institutions are involved, *e.g.* 1) Ministry of Marine Affairs and Fisheries-MMAF (Research Agencies, DG of Capture, DG of Surveillance); 2) Ministry of Transportation; 3) Navy; 4) Water Police (POLAIRUD); 5) Maritime Security Board; 6) Supreme Court; and the 7) Attorney General.
- 21. He further explained that the C-Control, in Indonesia controlled fishing activities through licensing, according to the vessel size and operation area (10-30 GT, >30GT, and high sea operation), while vessels less than 10 GT are categorized as artisanal fishing vessels, do not need license, but has to register. The Vessel Monitoring System (VMS) installation, only obligatory for >30 GT vessels. The country strategy to address issues and type of violations in fishing practices, and to strengthen the MCS by promoting responsible fishing practices by continue collaboration with other relevant bodies. He added that Indonesia has made actions toward good governance in fisheries sectors include: trans-shipment ban, trawler ban, license issuance moratorium, transparency, sinking of apprehended IUU-fishing vessel, joint communiqué in IUU combating with eleven countries and enhanced regional-international cooperation.
- 22. With regard to the national actions for combating IUU fishing, Indonesia also conducts 1) public awareness; 2) PSMA adoption; 3) capacity building; 4) involvement in international forum (IMCS, AMF, RFMO); 5) implementing NPOA-IUU; 6) intensifying surveillance operation and develop an integrated surveillance; and 7) established and developed fisheries court. As for the S-surveillance activities, Indonesia has implemented set up Surveillance based stations, 58 implementation units, 27 patrol boats, 64 speed boats, 3,500 VMS, and 646 persons of fishery investigator. Due to Indonesia has huge fishery area, the government have support from voluntary groups of community. There are 1,900 voluntary groups of surveillance are scattered in many districts. His presentation appears as **Annex 12**.

Malaysia

- 23. The representative from Malaysia, *Mr. Osman bin Mahamed*, presented on national MCS in Malaysia. He firstly provided information on legal framework and national policy in relevant to MCS such as the Fisheries Act 1985, National Agro-Food Policy 2011-2020 and other relevant laws. Then, he explained on national actions on each component namely: M-Monitoring, there are two system for monitoring using satellite and Automatic Identification System (AIS) using the Radio Frequency. In monitoring program, Malaysia focused on vessel inspection, license inspection, fishing gear and crew inspection. He added that DOF Malaysia will conduct the procedures under Sec 13 of Fisheries Act 1985 if Malaysia finds fishing vessels operate outside Malaysian waters.
- 24. C-Control, according to Fisheries Act 1985, Malaysia control fishing activities in the fishing zone. He also shared information that DOF controls some of fishing gears which has prohibited such as pair trawl and drift net with mesh size less than 10 cm

- 25. S-Surveillance, Malaysia has established the cooperation with enforcement agencies such as Air Force, Royal Malaysian Police, Malaysia Maritime Enforcement Agency and DOF Malaysia to jointly implement the air surveillance and also the sea surveillance.
- 26. In response to the initiative on MCS for the Gulf of Thailand and Andaman Sea Sub-region, Malaysia has established national committee comprises with 18 agencies and DOF Malaysia is Secretariat. He also informed some national actions to dealing with MCS such as inter-agencies meetings and workshops at operational level to improve and increase monitoring program in Malaysian Fisheries Waters, joint patrolling with neighboring countries. The presentation appears as **Annex 13**.

> Myanmar

- 27. The representative from Myanmar, *Dr. Kyaw Kyaw* presented the implementation of National M, C and S in Myanmar. He firstly provided information on the establishment of One Stop Service (OSS) which comprise concerned agencies involved in the implementation of MCS in Myanmar namely: Department of Fisheries (DOF), Navy (only inspection at Sea), Department of Marine Administration (DMA), Custom, Police, Immigration, Port Authority and General Administration Department (GAD) (inspection authority at shore). Myanmar is in process on the consideration to utilize satellite technology of Vessel Monitoring System (VMS).
- 28. He further informed on Myanmar's responsibilities and duties to perform as the Port State, Flag State and Coastal State in relation to the MCS and explain the procedures at check point and OSS operations. He also lastly added the national actions in support to the implementation of the MCS such as the establishment of Vessel Monitoring System (VMS), consideration to establish the Specific Division, strengthening dialogue with Thailand and Myanmar DOF Staff. He informed the planning under DANIDA Project for Sea Fishery Patrols in Marine Coastal Fisheries in the Tanintharyi and Rakhine by 2018-2019. His presentation appears as **Annex 14**.

> Thailand

- 29. The representative from Thailand, *Ms. Doungporn Na Pombejra* made reference to the situation before 2015, where there was lack of legal framework on MCS, inter-agencies coordination and weakness of MCS implementation as well as fishing vessel registration and licensing systems- not properly enforced both inside and outside Thai water, therefore insufficient of controlling on fishing vessels. After current Thai Royal Ordinance 2015 was endorsed, several actions were improved in progress such as setting up core MCS agencies and inter-agency cooperation are improved and fishing vessel monitoring system has been improved.
- 30. She informed the Meeting that the new legal framework defines for the effective function of the M, C and S (Chapter 7) the Control, Surveillance, Traceability and Inspection, and monitoring activities under Marine Fisheries Management Plan (FMP).
- 31. In addition, she highlighted on the national agencies involved in each M, C and S. and explained the national actions and procedures on the MCS implementation as follows. Her presentation appears as **Annex 15**.

<u>M-monitoring</u> agencies involve are Command Centre for Combat Illegal Fishing (CCCIF); Department of Fisheries (DOF); Marine Department (MD) and Department of Marine and Coastal Resources (DMCR). The monitoring tools used are FMP, VMS, Fishing Info, Thai Flagged, Landing, Logbook, Observer on board, Marking requirements–fishing vessel and transshipment vessel, with a primary data on fishing effort, area of fishing operation, catch, species, composition and discards.

<u>C-Control</u> agencies involve are CCCIF, Department of Fisheries, Marine Department, Department of Marine and Coastal Resources. These agencies have been working on, law and regulation, spatial control MPA, zoning, input controls; license system, fishing days, technical control: gear, mesh size, output control, prohibited species. <u>S-Surveillance</u>, agencies are CCCIF, DOF, Royal Thai Navy, Custom Department, DMCR, MD, THAI – MECC, and Royal Thai Policies. They have set up surveillance system and use technology - VMS, AIS, ERS, PIPO, Logbook, transshipment control, observer, and inspection at sea.

7.2.2 Report on the Development of a Sub-regional Cooperation on Monitoring, Control and Surveillance in Fisheries in the Northern Andaman Sea

- 32. *Ms. Pattaratjit* presented on Development of a Sub-regional Cooperation on Monitoring, Control and Surveillance in Fisheries in Andaman Sea Sub-region, which initiated by the SEAFDEC-Sweden Project. She briefed on the background of the MCS network and the progress made during 2017-2018, through the discussion at Sub-regional Meeting on Northern Andaman Sea and Southern Andaman Sea. She informed that in 2018, the SEAFDEC-Sweden Project developed the Roadmap and the nomination of the National Technical Group (5 representatives from each countries) for further get inputs from the countries. She added that the SEAFDEC-Sweden Project already conducted the Meeting on the Development of a Sub-regional Cooperation on Monitoring, Control and Surveillance in Fisheries in the Northern Andaman Sea, which was held on 24-25 July 2018 in Bangkok, Thailand. However, the remaining event that has not been conducted is for Southern Andaman Sea. Her presentation appears in **Annex 16**.
- 33. After her presentation, the Meeting was noted the progress made by Indonesia and Malaysia and confirmed on the involvement for the upcoming event on MCS in 2019.

7.3 Updates from FAO on the Support on combating IUU fishing

34. The representative from FAO, *Ms. Susana Siar* informed the Meeting on the FAO support to its Member Countries in relation to combating IUU fishing. During 2017-2018, FAO supported countries such as Malaysia, Myanmar and Thailand in focus national strategy and action plan to improve in complying with the Port State Measures Agreement, strengthening fishing regulation, and capacity building to prevent and eliminate IUU fishing. FAO assisted the Countries through the global capacity development programs implemented by FAO. The objective is to improve skill capacity in the implementation of Port State Inspection and MCS operation. She further explained that the global capacity development program includes governance and drafting of strategy and action plans, strengthening national policy and legislative frameworks, strengthening MCS and enforcement institutions and systems, improving flag state performances, addressing coastal state responsibilities in market access measures, and address relevant requirement of regional mechanisms.

VIII. SOCIAL PROFILE AND GENDER ANALYSIS IN KAWTHAUNG TOWNSHIP, MYANMAR

- 35. *Ms. Jariya Sornkliang*, the representative from SEAFDEC/Training Department, who served as Gender Focal Point of SEAFDEC, presented on the "Social Profile and Gender Analysis in Kawthaung Township, Myanmar". She provided information on the rationale of the study and objective of the Study, which was to understand the information and knowledge gap that exists on gender aspects in fisheries that includes the typical gender roles existing in households and communities. She informed that the study was carried out by the SEAFDEC/TD gender team and in collaboration with the staff of DOF of Myanmar. There were 80 respondents interviewed in 10% of the whole fishing households and 10 middlemen and women were also interviewed. The number of respondents represents a balance between men and women.
- 36. As a results of the study, indicating that gender-differentiated roles are based on the characteristics of fishing and there is a strong stereotype of the gender division of labor, like processing the catch such as cleaning, cutting and sun drying fish-the job of women, which regarded as low status and of less economic value. The study also revealed that there is a need to create opportunities for the female fisher through appropriate interventions towards the sustainable promotion of small-scale fisheries. The women have demonstrated the willingness to challenge the gender stereotype and norms prevalent in their community.
- 37. The study results also was suggested that if climate change puts the spotlight on the future of small-scale fisheries, women's rights are at the heart of sustainable promotion and development of the future of small-scale fisheries. Inequality in information and social status between owners' wives and labors' wives lead to gender inequality in different-class women in the coastal community (Pu Lone Tone Tone village, Kawthang, Myanmar). In addition, it was suggested to support the establishment of a high school in the area in order to the young generation receive higher education, better job opportunity. Her presentation appears as **Annex 17**.

IX. GROUP DISCUSSION TO DRAFT ON COOPERATION FOR MANAGEMENT ACTIONS FOR THE ANDAMAN SEA SUB-REGION

38. The participants were divided into two groups to discuss issues on Sub-regional Cooperation on transboundary species and Cooperation on management of fishing capacity and to reduce illegal and destructive (combat IUU) fishing. The result of the group discussion appears in **Annex 18**.

X. DISCUSSION ON COOPERATION FOR MANAGEMENT ACTIONS FOR THE ANDAMAN SEA SUB-REGION, DIRECTIONS AND RECOMENDATION/ACTIVITY PLAN FOR YEAR 2019

39. The Meeting noted that the remaining activities of 2018 on the Meeting for the Development of MCS Cooperation for Southern Andaman Sea Sub-region will be postponed to 2019. *Ms. Pattaratjit* requested the Meeting to consider and provide the ideas and topics to be discussed and some recommendations on how to sustain the platform without support from the Project. During the discussion, it was suggested on development of Standard of Procedures (SOP) on sub-regional mechanism on MCS activities, continue supporting capacity building.

XI. WAYS FORWARD AND CONCLUSION

40. The following were identified and agreed in the Meeting as some next ways forward activities in the Andaman Sea Sub-region:

1. Management of Transboundary Resources

- 1) Further strengthening the cooperation for the mutual benefits of each country;
- 2) Utilizing the existing data and information for the precautionary planning and better regional fisheries management;
- 3) Harmonizing/Synchronizing national management actions (e.g. closing fishing seasons and closing fishing areas) and update national legal frameworks; and
- 4) Establishing or formulating appropriate communication network and social networking in a website maintained by country focal points on the specific issues (e.g. exchange of the knowledge and information among the countries to better understand the status of fisheries

resources due to Climate Change, change of migration pattern, and loss and/or gain by countries).

2. Management of Fisheries Capacity and to reduce illegal and destructive (combat IUU) fishing

- 1) Enhancing capacity building of human resources, particularly legal officers and law enforcement personel to overcome the gap(s) among the countries;
- 2) Sharing the national policy and legal frameworks on fisheries management with other countries;
- 3) Strengthening technical capacities of the existing body/mechanism and/or inviting the 3rd parties (*e.g.* SEAFDEC, others) for their technical inputs;
- 4) Establishing appropriate patrol coordination for the regional enforcement among the countries;
- 5) Developing a website for updating and sharing data other than a communication tool in cooperation between the countries;
- 6) Strengthening SOP and a regional mechanism for the collaboration/coordination of MCS activities; and
- 7) Harmonizing a mechanism of the central persecution, if possible.

XII. CLOSING OF THE MEETING

41. The Deputy Secretary-General of SEAFDEC, *Mr. Akito Sato*, expressed his thanks to all delegates for the valuable inputs and actively participating in the deliberation and sharing of ideas in the Meeting. Having expressed the importance of Andaman Sea to ensure sustainable management, he then declared the Meeting closed and wished everyone safe travel back home.

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OPENING REMARKS

By Mr. Akito Sato SEAFDEC Deputy Secretary-General

Distinguished delegates from the countries of the Andaman Sea Sub-region; Representatives from FAO, My colleagues from SEAFDEC, and Members of the Regional Fisheries Policy Network; Ladies and Gentlemen,

Good morning to all of you!

It is my great pleasure to welcome all of you to the "Fourth Meeting of the Andaman Sea Sub-region" which is organized by the SEAFDEC-Sweden Project. I wish to express my sincerest thanks to everyone to sharing your time to come here for this important event.

Please allow me to recall the process of promoting sustainable fisheries around the Andaman Sea Subregion with Swedish support under the SEAFDEC-Sweden Project, The Project in n cooperation with the BOBLME Project initiated the forum since 2009 through the First Meeting of the Andaman Sea sub-region which also obtained the participation of India for the Andaman and Nicobar Islands through the BOBLME Project. From that, the SEAFDEC-Sweden Project continued the effort in support the Andaman countries to discuss on the management and utilization of transboundary stocks, conservation and protection of important habitats, and building up resilience and capacity for climate change. The Third Meeting of the Andaman Sea Sub-region was organized in 2016 developed agreement/ arrangement based on ecosystems approach to fisheries through the integration of fisheries and habitat management. The meeting was also looked for action-oriented recommendations towards the development of joint approaches and agreements to address problems/issues common to all four countries in the Andaman Sea, including options for development of a management plan for the whole Andaman Sea.

In line with recommendations from the Andaman countries, the SEAFDEC-Sweden Project recaptured again in 2017, the Sub-regional Consultative Workshop of the Northern Andaman Sea and the Southern Andaman Sea Sub-regional Meeting on Effective Fisheries Management were held on 16-17 November and 21-22 November 2017, respectively. Both Meetings focused on the identify management and utilization of transboundary stocks and the efforts to management of fishing capacity and combat IUU fishing in each sub-regions, including the initiation of sub-regional MCS Networks together with development of port monitoring capacity.

The sequence of Andaman Sea Sub-regional meetings has not been as frequent as that of the Gulf of Thailand but activities had been ongoing within and among the countries of the Andaman Sea. These were mostly linked with the activities of the BOBLME Project such as those for mackerels, MPAs, and EAFM; and also with those of SEAFDEC such the RPOA-Neritic Tunas, RPOA-Fishing Capacity, and promotion of EAFM. Most of these activities had the active involvement of almost all of the Andaman Sea countries.

Ladies and Gentlemen, in order for us to move forward, recommendations during the previous Subregional meetings should be considered including the need to tackle challenges ahead in strengthening cooperation around the Andaman Sea while building upon a continuation of a process that has been deemed essential by all involved parties at regional, national and local level.

Lastly, I would wish to thank you once again and welcome you all. I hope that, apart from learning more about our sea and our resources during this Meeting, our successful output from our deliberations

is a must. Without further ado, I now open. Thank you and have a good day.	declare the	Fourth Meeting	of the Andaman	Sea Sub-region

PROSPECTUS

1. Introduction

Since 2009, SEAFDEC with support from SEAFDEC-Sweden Project and in collaboration with the Bay of Bengal Large Marine Ecosystem Project (Phase 1) have been strengthening the cooperation of the Andaman Sea Sub-region, especially in improving management of fishing capacity which includes the initiation of sub-regional MCS Networks together with development of port monitoring capacity and coordinated efforts to combat illegal fishing. Since then, numbers of meetings conducted to discuss, shared experiences on good practices as well as to seek cooperation among countries (Myanmar, Thailand, Malaysia and Indonesia, including India) and other relevant institutions.

Priority areas and progress in promoting regional cooperation in and around the Andaman Sea The SEAFDEC-Sweden Project made in the Andaman Sea Meetings under different parallel initiatives (BOBLME, IUCN/MFF, Japanese Trust Fund, USAID, Denmark, etc.) with the involvement of Andaman Sea Countries in terms of capacity building and improved knowledge on traditional knowledge and in the process to advance sub-regional cooperation on priority species as well with regard to ASEAN region-wide initiatives of relevance to the Andaman Sea.

Ecosystems Approach to Fisheries Management (EAFM): Both SEAFDEC and BOBLME together with FAO, NOAA and others have embraced the ecosystems approach to fisheries management (EAFM) as a tool for planning, monitoring and management. EAFM trainings provided to officers of Myanmar, Malaysia and Thailand as options to use the concept has a planning tool for provincial/cross-border capacity-building, planning and management.

Mackerels (Rastrelliger spp.) and mackerel working groups: During the earlier Andaman Sea Meetings, it was shown and recognized that the (eastern) Andaman Sea feature two distinct loops, one from Phuket down into Melaka Straits (Indonesia, Malaysia and Thailand) and the other from Phuket into the waters of Myanmar (Thailand and Myanmar). Recommendations have emphasized the importance of improved monitoring of spawning season, migration patterns of the transboundary and (highly) migratory fish species such as Rastrelliger spp, and related species. The work to promote coordination and increased understanding on mackerels and the movement of mackerels has been supported through the setting up of an Indian Mackerel Working Group (BOBLME) and a genetics working group.

RPOA-Neritic Tuna: The ASEAN/SEAFDEC Scientific Working Group met during 2015 and 2016 and further advanced the process of increasing the knowledge on the status of Neritic tunas in the ASEAN region. Information is now also available on stock status of Kawakawa and Tonggol Tuna including the status in the Andaman Sea.

MPA's, protected areas and fisheries refugia (BOBLME Working Group on MPA's): Through BOBLME an MPA working group was established and trainings provided to select and to build upon the work being done. It would be useful to seek summary updates on the status of work of the (BOBLME) MPA Working Group. Earlier meetings (BOBLME, SEAFDEC, etc.) have discussed options to establish "larger fisheries resources conservation areas" including an aggregate of existing and effective smaller management areas (i.e. MPA's, other refugia, etc.) encompassing critical habitats of important transboundary fish species. To better understand functions of critical habitats. MPA's and fisheries refugia, the relevant information on important habitats in the sub-region may also be sourced from relevant international organizations and projects (e.g. FAO, IUCN, MFF, Wetlands International, UNEP/GEF South China Sea Project, etc.) and from Member countries.

MCS Networks: Limited further steps have been taken to establish MCS networks among Andaman Sea Countries. A step in this direction was done following the recommendations from the 1st Meeting for Andaman Sea Sub-region that suggested that an initial activity to initiate sub-regional cooperation should focus on information sharing, identify key activities related on M, C and S and indicate responsible national institutions on such activities. Importantly the activities to be undertaken should be within the legal framework of Member countries involved. Furthermore, the 1st and 2nd Meetings emphasized that efforts to improve management of fishing capacity were a critical element in combating illegal (IUU) fishing.

RPOA-Fishing Capacity: SEAFDEC Council (April 2016) and ASWGFi have now recognized the RPOA-Fishing Capacity. The task ahead is to explore the relevance and interest of the Andaman Sea countries in being a target sub-region for the RPOA-Fishing Capacity.

Bi-lateral and tri-lateral dialogue meetings were organized in promotion of the sub-regional cooperation in the Andaman Sea. In promotion of joint management approaches among neighboring countries sub-regional consultative meetings have been conducted in the Northern Andaman Sea (Myanmar and Thailand) with three/four events, 2011 to 2013, and in the Southern Andaman Sea (Indonesia, Malaysia and Thailand) with one event in 2011 through cooperation between SEAFDEC and BOBLME. The meetings brought together officers from different relevant agencies to share and exchange the information with an aim to strengthen dialogue on possible sub-regional cooperative management arrangements. For the Northern Andaman Sea the outline of a "Planning and Management Committee" is available together with a workplan based on priority issues as defined by participants to the dialogue meetings. To activate the Committee and revise/update the workplans the two countries need to reappoint Committee Members (institutional changes in the two countries have included a turnover in available personnel). For the Southern Andaman Sea, the process needs to be reinitiated given the continued/renewed interest to be expressed by the three countries.

The SEAFDEC-Sweden Project tried to maintain momentum of activities to the Andaman countries through the mechanisms provided through BOBLME and ASEAN-SEAFDEC by the organization of **the 3rd Meeting of the Andaman Sea Sub-region** in 2016 (after the phase I of BOBLME ended in 2015). In the process, Andaman countries were also requested to indicate ambitions and priorities for continued bilateral dialogue (Northern Andaman) trilateral dialogue (Southern Andaman) thereby building upon a continuation of a process that has been deemed essential by all involved parties at regional, national and local level.

In line with recommendations from the Andaman countries, the SEAFDEC-Sweden Project recaptured again in 2017, the Sub-regional Consultative Workshop of the Northern Andaman Sea and the Southern Andaman Sea Sub-regional Meeting on Effective Fisheries Management were held on 16-17 November and 21-22 November 2017, respectively. Both Meetings focused on the identify management and utilization of transboundary stocks and the efforts to management of fishing capacity and combat IUU fishing in each sub-regions, including the initiation of sub-regional MCS Networks together with development of port monitoring capacity.

2. Rationale and Objectives of the Fourth Meeting of the Andaman Sea Sub-region

The intention with this the **Fourth Andaman Sea Sub-regional Meeting** is to tackle challenges ahead in strengthening collaboration and cooperation around the Andaman Sea while building upon a continuation of a process that has been deemed essential by all involved parties at regional, national and local level.

The aim is to seek guidance from the four countries with priority action-oriented recommendations for the development of joint approaches and agreements to address problems/issues common to all four countries in the Andaman Sea. The event should build upon common ambitions of Indonesia, Malaysia, Myanmar and Thailand with a focus on looking beyond planning and move into action.

This could involve key elements of both national and regional concern that have been raised as priorit areas during national, sub-regional, and regional events.			

Objectives:

With the objective to support the development of the Andaman Sea Sub-regional agreements/arrangements based on ecosystem approach to fisheries through the integration of fisheries and habitat management, the meeting should look for action-oriented recommendations for the development of joint approaches and agreements to address problems and issues common to all four countries in the Andaman Sea, including options for management plan for the whole Andaman Sea and related water bodies.

The Meeting Objectives include:

- 1) To review the follow up of agreed activities from the 3rd Meeting of Andaman Sea Sub-region in 2016 and report the progress of activities since the previous meetings of the Andaman Sea Sub-region
- 2) To review the results of the information compilation on migration patterns, spawning and nursery grounds of mackerels, Neritic tunas and anchovies and advise on the steps taken to strengthen cooperation on transboundary fisheries and habitats management
- 3) To update information on efforts of the country and regional organizations to implement activities for management of fishing capacity and combating illegal, unreported and unregulated (IUU) fishing, social development for Andaman Sea Sub-region
- 4) To identify further action plan and solution of for the sustainability of Andaman Sea Sub-region Meeting platform

3. Expected Outputs

- Update progress of the implementation of activities in relevant to transboundary species, effort on combating IUU fishing, social development, experiences shared among the countries, issues and concerns, feedback and suggested steps forward
- Agreed cooperation actions for the Andaman Sea Sub-region and commitment for further strengthen to continue and expand cooperation/coordination/collaboration among various sector and fisheries related national agencies
- Recommendation/solution for sustainability of Andaman Sea Sub-region platform

4. Expected Outcomes

- Awareness raised among participating institutions around the Andaman Sea on benefits of sub-regional cooperation and inter-sectoral cooperation to promote appropriate fisheries and habitat management, management of fishing capacity and social development
- Improvement of structure and involvement in the continued implementation of activities in the Andaman Sea Sub-region
- Strengthen sub-regional cooperation on the fisheries management and initiatives framework such as MCS network in the Andaman Sea Sub-region

TIME TABLE AND AGENDA

Time	Contents			
20 November 2018 (Tue)				
08.30-09.00 hr	Registration			
09.00-09.15 hr	Agenda 1: Opening of the Meeting			
09.15-09.30 hr	Agenda 2: Introduction Session			
	2.1 Self introduction of participants			
	2.2 Background, Objectives and Adoption Agenda of the Meeting			
09.30-10.00 hr	Agenda 3: Review the progress from the previous meetings			
10.00-10.30 hr	Group photograph session and coffee break			
10.30-12.00 hr	Agenda 4: Progress of the implementation of the transboundary stocks and habitats and subregional cooperation			
	4.1 Northern Andaman Sea Sub-region (Mackerels, Neritic Tunas, Anchovies)			
	4.2 Southern Andaman Sea Sub-region (Mackerels, Neritic Tunas, Anchovies)			
	Other matters			
	Updates from FAO on the current status of the new phase of Bay of Bengal Large Marine Ecosystem Project			
12.00-13.30 hr	Lunch break			
13.30-15.30 hr	Agenda 5: Promotion of Effective Management of Fishing Capacity and reduction of illegal and destructive fishing in the Andaman Sea Sub-region			
	5.1 Country updates on current Law and Legislation and Efforts on management of Fishing Capacity and combating IUU fishing (NPOA-Capacity; NPOA-IUU) (4 Andaman Sea Countries)			
15.30-16.00 hr	Coffee break			
16.00-17.30 hr	Continue onto Agenda 5: Promotion of Effective Management of Fishing Capacity and reduction of illegal and destructive fishing in the Andaman Sea Sub-region			
	5.2 Strengthening Monitoring (M), Control (C), and Surveillance (S) in the Andaman Sea Sub-region			
	5.2.1 Countries updates on progress of national M, C, and S (4 Andaman Sea Countries)			
	5.2.2 Report of the Development of a Sub-regional Cooperation on Monitoring, Control, and Surveillance in Fisheries in the Northern Andaman Sea			
	5.3 Updates from FAO			
18.00 hr	Reception dinner hosted by SEAFDEC			
	21 November 2018 (Wed)			
09.00-09.30 hr	Agenda 6: Report of Social Profile and Gender Analysis in Kawthuang Township, Myanmar			

09.30-12.00 hr	Agenda 7:
	7.1 Group Discussion to draft on cooperation for management actions for the Andaman Sea Sub-region
	(a) Group 1: Transboundary Resources
	(b) Group 2: Management of Fishing Capacity and to reduce illegal and destructive (combat IUU) fishing
	1) What is (a) or (b) cooperation? 1.1 Give the definition of the terms of cooperation
12.00-13.30 hr	2) Sub-regional Cooperation in Actions 2.1 Why is sub-regional cooperation important? 2.2 What are the CHALLENGES? 2.3 What are the BENEFITS of sub-regional cooperation? 2.4 Which TOOLS can be used to promote sub-regional cooperation? 2.5 ISSUES for sub-regional cooperation? 3) Tools and mechanism to promote sub-regional cooperation 3.1 Legal frameworks 3.2 Institutional arrangement 3.3 Sharing information and conducting joint activities 3.4 Incentive for cooperation 3.5 Mediation and dispute resolution mechanism 3.6 Cost and benefit sharing 3.7 Financing Lunch break
12.00 13.30 M	Continue onto Agenda 7:
	7.2 Group presentation
13.30-15.00 hr	Agenda 8: Discussion on cooperation for management actions for the Andaman Sea Subregion, directions and recommendations/activity plan for year 2019
15.00-15.30 hr	Coffee break
15.30-16.00 hr	Agenda 9: Ways forward and Conclusion
16.00 hr	Agenda 10: Closing of the Meeting

REVIEW THE PROGRESS FROM THE PREVIOUS MEETINGS

By Dr. Somchai Bussarawit









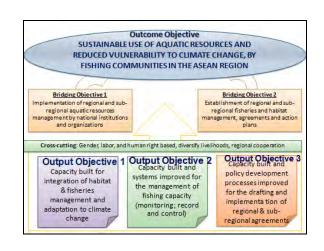
Group 1. Trans-boundary fisheries resources management Fisheries/ themes Indian Mackerel, Short Mackerel, Hilsa shad, Neritic tunas, Sharks and rays Key Issues Information for fisheries management incomplete migration patterns unclear unknown stock sizes Insufficient knowledge on spawning seasons and areas limited capacity to develop transboundary management actions Notional management frameworks not harmonized among 4 countries No clear joint policy (or policy for joint action - no mandate - no call for joint management Standardized statistics framework exist but heterogeneous data collection (human and financial capacities) Coastal infrastructure (e.g. port development) impacting fisheries

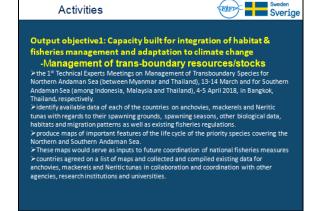
Activities ➤ Management not inclusive of other stakeholders ➤ Insufficient M&E of management actions and outcomes (social, biological, economic, etc) ➤ Unclear understanding of climate variability and change on fisheries Mackerel, hilsa, sharks (as applicable) working groups established under BOBLME inactive ➤ Dependence on projects for activities (working groups, etc) ➤ Cross-ministerial collaboration (e.g. environment, tourism, natural resources) insufficient ➤ Management at different scales (from local to national/international) may not always be coherent ➤ Academic research is not necessarily fisheries management oriented ➤ Observation - cross-cutting issues, like gender, information management missing













Activities



Output Objective2: Capacity built and systems improved for the management of fishing capacity (monitoring; record and control)
> Sub-regional Consultative Workshop of the Southern Andaman Sea. Furthermore, in
November 2017 dialogue was facilitated between Thailand and Myanmar as part of the
Northern Andaman Sea Cooperation with the Third Sub-regional Consultative Workshop of
the Northern Andaman Sea/Myeik Archipelago in Bangkok, Thailand.
> Countries requested during both events SEAFDEC to develop work plans for the process
and consultations for the establishment of MCS coordination among countries for the
Northern and Southern Andaman Sea sub-sub-regions by building upon existing national
and bilateral cooperation initiatives.
> Effective sub-regional coordination could facilitate trade through improved product
traceability, coordinate national measures to secure fish resources as well as to improve
scientific assessments and simplify surveillance measures.
> The combined and coordinated initiatives would support national efforts to reduce IUU
fishing.

A condition for such a cooperation to be successful is that all relevant authorities involved in various aspects of fisheries management take part in the cooperation both nationally and bilaterally/regionally.

Activities



>24-25 July 2018, the SEAFDEC-Sweden Project organized the MCS Sub-regional Cooperation Meeting in Northern Andamon Sea which was held in Bangkok,
Thailand. The national technical persons from Thailand and Myanmar discussed on
common concerns and issues to address on cooperation, including information
sharing needed as a basis for establishing an MCS network between the two
countries. Both countries agreed to collaborate with different agencies respective of their mandates and responsibility and strengthen the cooperation sub-regional MCS network based on existing cooperation.

Activities



Output Objective 3: Capacity built and policy development processes improved for the drafting and implementation of regional & sub-regional agreements

Strengthening the sub-regional cooperation in target sub-regions -signed MOU on Fisheries Cooperation between Thailand and Myanmar

-successfully facilitated the discussion between the two countries on several areas of mutual interest including aspects on management of trans-boundary stocks, combating IUU fishing and specifically on the establishment of sub-regional MCS

 -facilitated the dialogues for the countries around Southern Andaman Sea sub-sub-region (Indonesia, Malaysia and Thailand) by the conduct of the Meetings for the compilation of available information to form the basis for digitized maps of spawning grounds, nursery grounds, migration patterns and fishing areas of Anchovies, Mackerels and Neritic Tuna in the Southern Andaman. -facilitated the consultation on the MCS networking in the Southern Andaman (on-

going). -The $4^{\rm th}$ Meeting of the Andaman Sea Sub-region, 20-21 November 2018

MAPS OF TRANSBOUNDARY SPECIES (MACKERALS, NERITIC TUNAS, ANCHOVIES) IN THE NORTHERN ANDAMAN SEA SUB-REGION

By Mr. Sukchai Anupapaboon



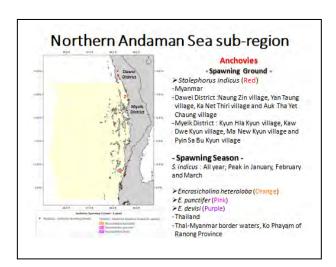


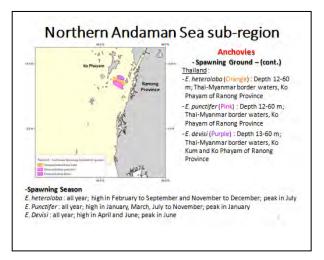


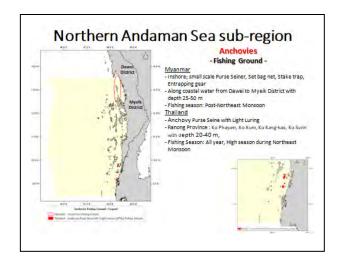


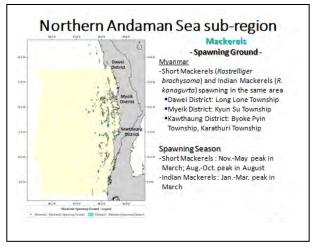
The Meeting will assess and identify the possible future needs for coordination and collaboration of fisheries measures based on the produce maps that could be beneficial to secure a sustainable stack assessment of these transboundary species

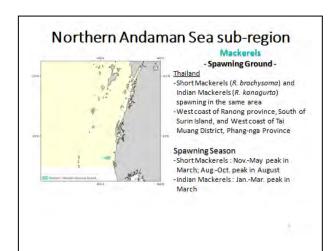
Maps on the Target Transboundary Species in Northern Andaman Sea sub-region

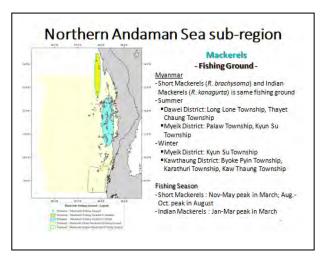


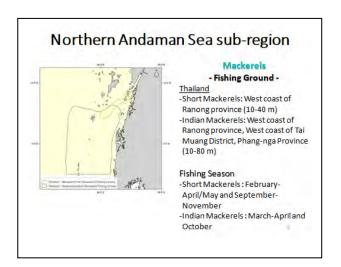


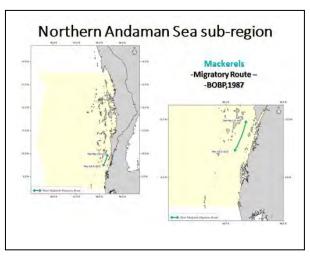


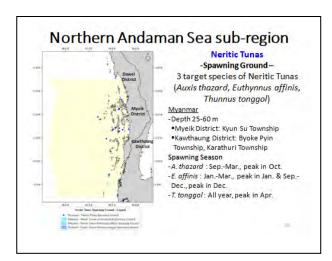


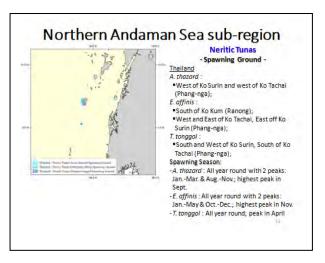


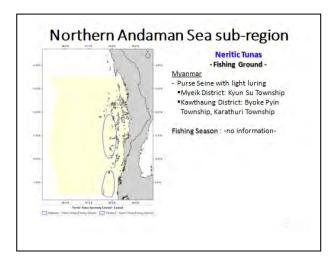


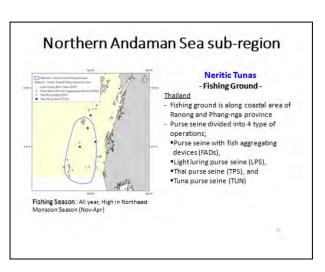


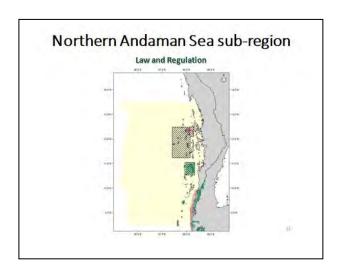


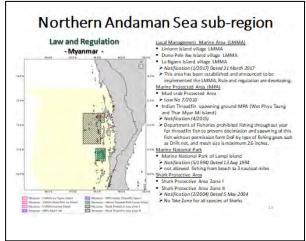


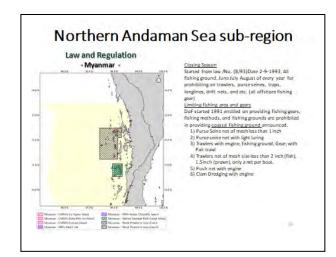


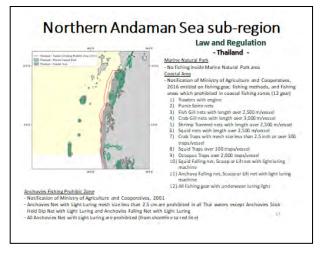












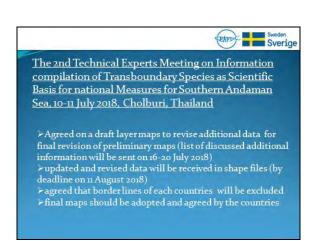
MAPS OF TRANSBOUNDARY SPECIES (MACKERELS, NERITIC TUNAS, ANCHOVIES) IN THE SOUTHERN ANDAMAN SEA SUB-REGION

By Mr. Sukchai Anupapaboon



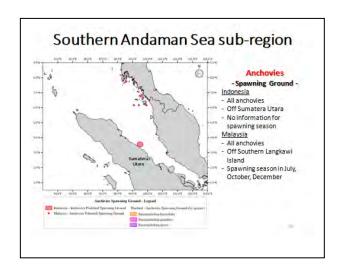


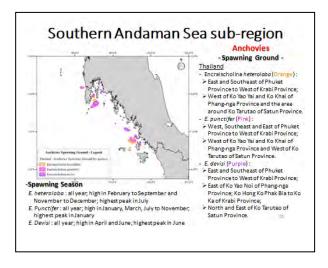


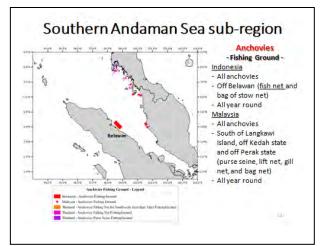


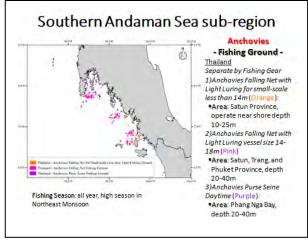
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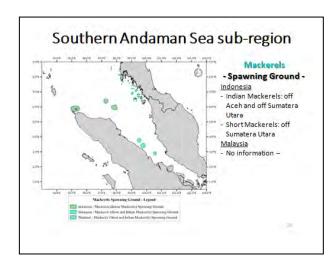
Maps on the Target Transboundary Species in Southern Andaman Sea sub-region

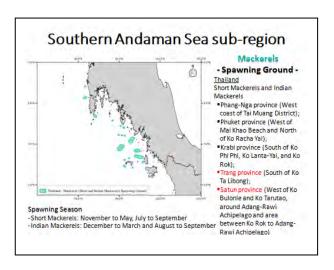


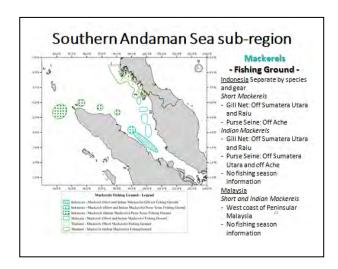


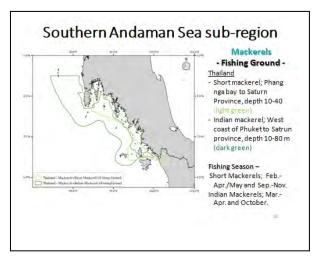


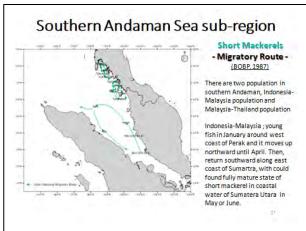


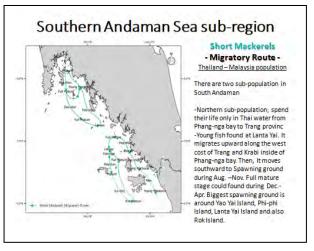


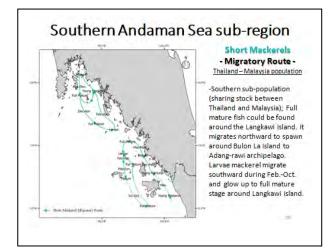


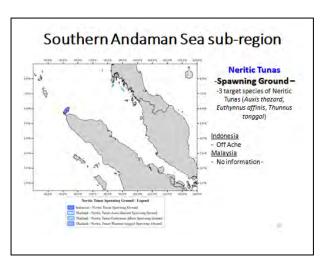


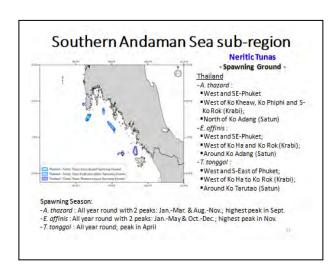


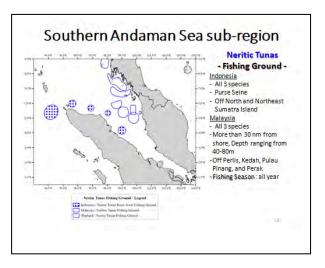


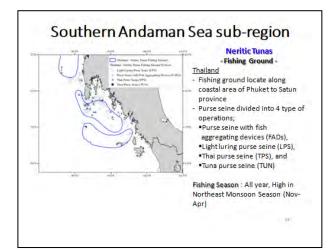


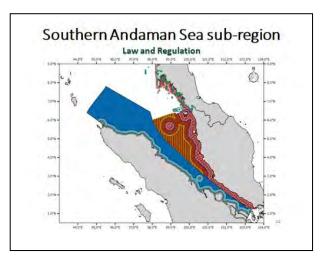


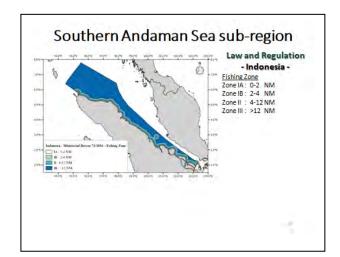


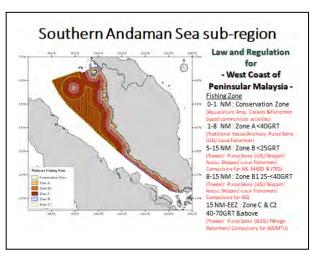


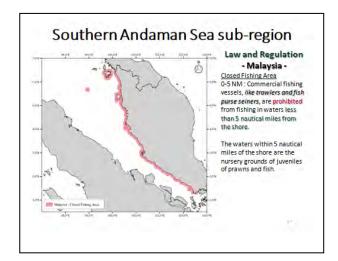


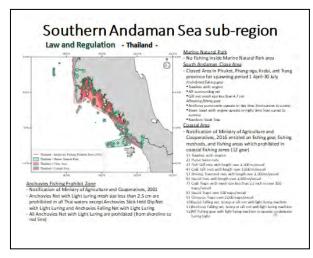








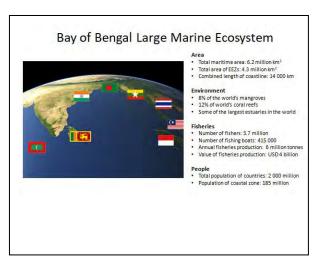




UPDATES ON THE CURRENT STATUS OF NEW PHASE OF BOBLME PROJECT

By Ms. Susana Siar

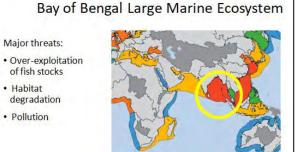


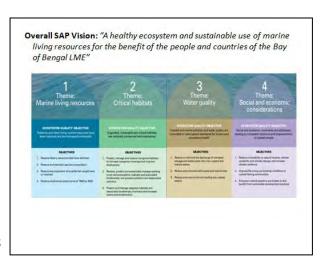


The Bay of Bengal Large Marine Ecosystem

- Provides food for nearly 400 million people
- Features important critical habitats: mangroves, coral reefs and seagrass beds
- Features a high degree of biodiversity and a large number of endangered and vulnerable species
- Provides fisheries livelihoods for 5 million people
- $\bullet \ \mathsf{Provides} \ \mathsf{ecosystem} \ \mathsf{services} \ \mathsf{worth} \ \mathsf{USD} \ \mathsf{70} \ \mathsf{billion} \ \mathsf{per} \ \mathsf{year}$
- Produces 7% of the value of the world's fish catch
- Includes eight countries with diverse cultures, religions, political and biological systems
- Supports a thriving shipping and maritime industry







BOBLME Phase 2

The BOBLME Project Framework Document is designed to implement the SAP

- It is based on the priority areas identified under each SAP theme
- · Importantly it works at both national and decentralized levels, with a regional component
- It allows flexibility on identification of activities to be undertaken at national/local level
 - Local demonstrations/pilots for action on the ground as a basis for national/local impacts
 - Processes to inform national policy for more effective management coupled to regional cooperation and consensus building

How the Program Framework functions

- · A GEF Program Framework is slightly different to a GEF
- · It can be combination of several "Child" projects
- The main umbrella programme and its resourcing is identified in the Programme Framework Document
- Projects are developed within this framework, using the available resourcing
- Additional "child" projects can be incorporated to the Program at a later stage if additional resourcing and co-financing is identified
 - Examples of national projects are:
 STAR allocation (BD/CC)

 - STAR allocation (BD/
 Bank Loan projects
 - Donor/NGO/philanthropic funded projects
 - · Regional (donor) funded projects



Joint agencies: FAO and ADB

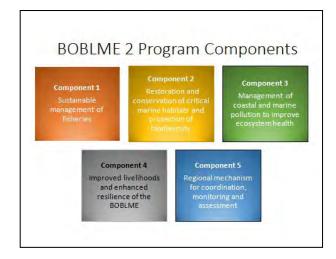
Regional and subregional executing partners include: BOBP-IGO, SEAFDEC, IUCN/MFF, UN Environment (e.g. COBSEA, GPA), UNIDO, APFIC

National execution partners include Ministries of Fisheries and Agriculture, Ministries of Environment and other national agencies from all 8 participating

GEF Program Financing: USD 14 266 055

Co-financing: USD 165 000 000

Co-financiers: Bangladesh, India, Indonesia, Malaysia, Maldives, Myanmar, Sri Lanka, Thailand, FAO, ADB, Sweden, Norway, USA (NOAA, USAID), UNE, IUCN, UNIDO, SEAFDEC, BOBP-IGO, Japan Fund for Joint Crediting Mechanism, Bangladesh Forest Department



Component 1: Sustainable management of fisheries (SAP theme 1)

- Outcome 1.1: The Ecosystem Approach to Fisheries Management (EAFM) institutionalized at national level for targeted transboundary fish stocks
 - EAFM training
 - · Development of EAFM Plans
 - Promotion of Co-Management
- Outcome 1.2: IUU catch in the BOBLME reduced
 - · National and Regional Plans of Action-IUU (NPOA/RPOA-
 - · Strengthening of MCS, Port State Measures (PSM)
 - Capacity development to combat IUU

Component 2: Restoration and conservation of critical marine habitats and protection of biodiversity (SAP theme 2)

- Outcome 2.1: Coastal and Marine Managed Areas (MMAs) contribute to conservation of biodiversity and blue carbon
 MMAs contribute to conservation of Endangered, Threatened or Protected Species (ETPs), Vulnerable ecosystems (VES), Blue Carbon
- Outcome 2.2: National MMAs established/strengthened through improved management effectiveness at national level
 Bangladesh STAR Cc-M funding will be used for the Sundarbans
 Only if additional STAR funding becomes available
- Outcome 2.3: Regional consensus and agreements on reduction of threats to marine biodiversity in coastal and open
 - waters

 RPOA ETP, legislative frameworks

Component 3: Management of coastal and marine pollution to improve ecosystem health (SAP theme 3)

- Outcome 3.1: Pollution from discharge of untreated sewage and wastewater; solid waste and marine litter; and nutrient loading reduced or minimized in selected hotspots in river, coastal and marine waters; promotion of cleaner fishing ports and addressing abandoned fishing gears at 8 hotspots applying ICM approaches

 Coordination monitoring, awarenes, innovative technology
 - Coordination, monitoring, awareness, innovative technology
- Outcome 3.2: Demonstration investments in eco-waste infrastructure solutions: Mandalay City, Myanmar (ADB)
 - Waste and waste water management, reduced debris and litter emerging in main water courses, information sharing, regional protocols

Component 4: Improved livelihoods and enhanced resilience of the BOBLME (SAP theme 4)

- Outcome 4.1: Enhanced resilience of the BOBLME and reduced vulnerability to natural hazards, climate variability and change of selected coastal communities
 - · Ecosystem services valuation, resilience plans, empowerment, gender considerations
- · Outcome 4.2: Enhanced sustainable livelihoods and diversification for selected coastal communities
 - Value chain analysis, alternative livelihoods, financial services, capacity development

Component 5: Regional mechanism for planning, coordination, and monitoring of the BOBLME (SAP crosscutting theme)

- Outcome 5.1: Strengthened institutional mechanisms at regional and national levels for planning, coordination and monitoring of the BOBI ME
 - Consortium for the Conservation and restoration of the BOBLME (CCR-BOBLME), partnership arrangements; inter-sectoral coordination, consultation, base line data
- Outcome 5.2: Program implementation based on adaptive resultsbased management
 - Regional information sharing, lessons learnt, IW & LME Learn
 - Monitoring and evaluations

Where we are now

- 54th GEF Council meeting in June 2018 in Da Nang approved USD 14, 266, 055 in funding for BOBLME Phase 2 – FAO and Asian Development Bank as joint agencies
 - USD 9, 174, 312 for the regional BOBLME 2
 - USD 4, 587, 156 for the ADB child project in Mandalay, Myanmar
 - USD 504, 587 for the Bangladesh CCM-STAR
- · Project Preparation Grant (PPG) has been approved by the GEF Secretariat for the child projects after approval of the PFD
 - Will be used to develop <u>full-fledged projects</u> in consultation with all BOBLME countries and <u>partners</u>
 All PPG activities to be completed by 31 October 2019

Next steps

- Re-establishment of BOBLME governance structure for each participating country
 - National Coordinator
 - Project Steering Committee members
 - · One from the Fisheries Ministry
 - One from the Environment Ministry
- · Establishment of team of consultants and LoA service provider to develop the full project proposal (for FAO child project)
- · Regional inception meeting with participating countries, partners and donors
- · Country and subregional consultations
- Consultations with partners and donors

Next steps

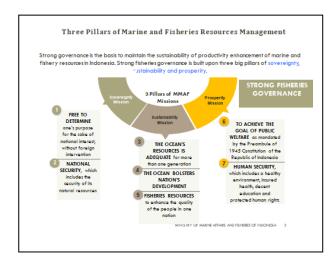
- · Participation in IW Learn events and upstream GEF coordination
- · Drafting of FAO child project (full project document)
- · Regional validation workshop
- · Letters of co-finance
- · Final project document submission to GEF
- · Communications and website update

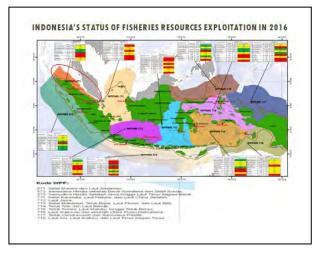
CURRENT LAW AND LEGISLATION AND ENFORCEMENT ON MANAGEMENT OF NPOA-CAPACITY, NPOA-IUU OF INDONESIA

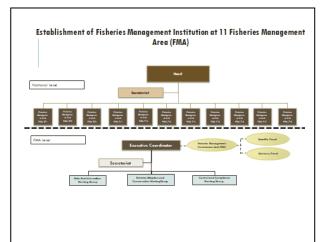
By Mr. Turman Maha

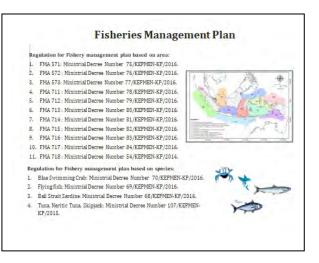


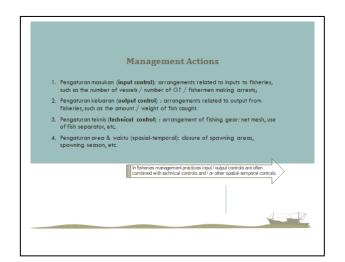


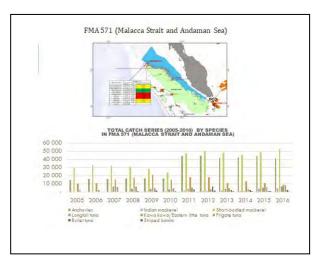


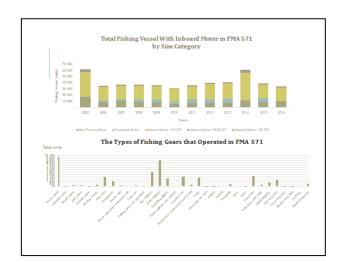










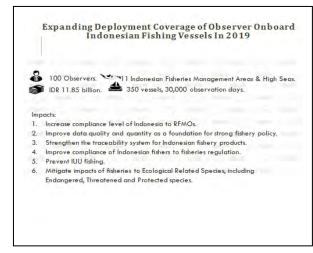












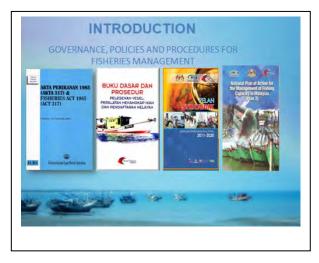




CURRENT LAW AND LEGISLATION AND ENFORCEMENT ON THE MANAGEMENT OF NPOA-CAPACITY, NPOA-IUU OF MALAYSIA

By Mr. Abdul Rahman bin Abdul Wahab





NEW MANAGEMENT DIRECTION

- 1. Species Area specific Fisheries Management Plan (FMP)
- 2. Data-intensive management approach
- 3. Emphasis on inclusiveness throughtout the process-Multi stakeholder through EAFM 4. Intensification of capacity building

- 5. Bridging the knowledge gap between managers & scientists
 6. Formed National Committee on Fish Stocks- so as better respond to SDG 14
 7. Vessel modernization to look into standardization of fish gvessel -in the pipeline
- 8. Fishing Gear specification
- 9. Marking of fishing gear
- 10. Imposed mandatory use of TED for monsoon trawler starting 1 November 2017.

Species specific

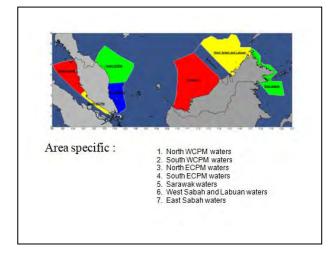
- Target Species

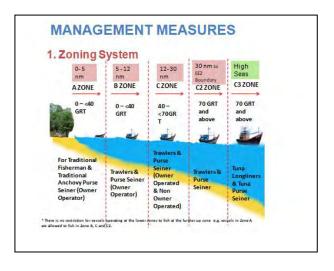
 1. Anchovyfishery
 2. Small Pelagics fishery
 3. Neritic Tuna Large Pelagics fishery (Neritic Tuna fishery)
 4. Oceanic Tuna Large Pelagics fishery (Oceanic Tuna fishery)
 5. Other Large Pelagics fishery (Large Pelagics fishery)
 6. Demersal and Cephalopods fishery

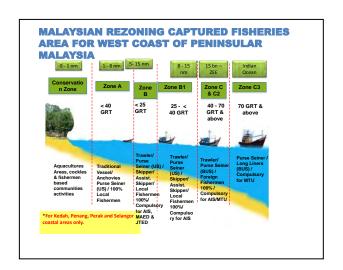
 7. Prawn fishery

 7. Prawn fishery
- Prawn fishery Brackishwater fishery

- Birackishwaterfishery
 Bivalves fishery
 Sergestid shrimps fishery
 Lobsters fishery
 Sea cucumbers fishery
 Jellyfishes fishery

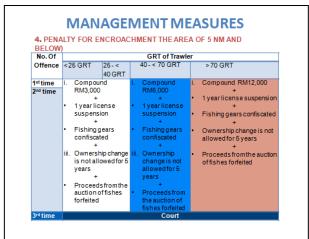


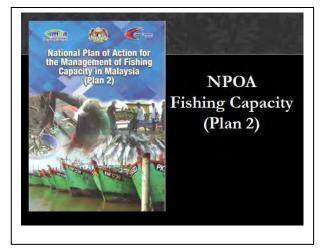




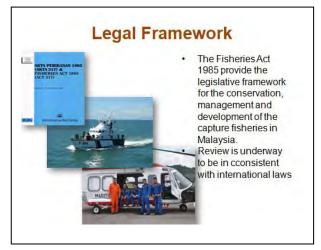
Working on...

- 1. Development of generic Catch Certification scheme SIMP
- 2. Measure to US Marine Mammal Prorection Act









- · Section 15. Fishing, etc., by foreign fishing vessel in Malaysian fisheries waters.
 - (1) Subject to subsection (2), no foreign fishing vessel shall do any of the following in Malaysian fisheries waters:
 a) fish or attempt to fish; or

 - b) subject to subsection (1A), conduct any techno-economic research or survey of any fishery
 - (2) No foreign fishing vessel shall load or unload any fish, fuel or supplies or tranship any fish in Malaysian fisheries waters without the written approval of the Director-
- Section 16. Passage of foreign fishing vessel through Malaysian fisheries waters.

challenges

- 1. Review processes is lengthy
- 2. Sanction scheme envisioned by EU is different from the one in practice
- 3.multi agencies jurisdictions
- 4. Accession to international ntreaty cost and benefit

CUREENT LAW AND LEGISATION AND ENFORCEMENT ON MANAGEMENT OF NPOA-CAPACITY, NPOA-IUU OF MYANMAR

By Dr. Kyaw Kyaw





Key Issues related IUU fishing

- DoF requested to Trade Development Programme supported by EU-GIZ for the development of National Plan of Action -NPOA to combat IUU fishing in Myanmar.
- EU Consultant has conducted the mission for NPOA and it includes;
 - general assessment of fisheries status in Myanmar
 - assessment of IUU fishing in Myanmar
 - proposed key NPOA-IUU measures
 - Structure of the NPOA-IUU

IUU fishing assessment

- offshore illegal fishinginshore illegal fishing
- unreported and unregulated fishing



Illegal fishing (offshore)

- fishing without a license (including copy-cat vessels)
- vessels registered and licensed as inshore vessels
- illegal (unlicensed) encroaching on foreign waters
- zone violations encroaching on inshore waters or protected areas

Illegal fishing (offshore)

- violation of maximum number of sailing days (especially foreign fleet)
- incursions of foreign unlicensed fishing vessels into Myanmar waters (pirate fishing)
- deployment of excessive number of stationary units (traps, stow nets, rafts, etc.)
- deployment of non-conform gear (violation of gear specifications; e.g. mesh size)

Illegal fishing (inshore)

- fishing with non-conform gears (e.g. mesh size)
- dynamite and cyanide fishing
- non-registered and nonlicensed fishing vessels (e.g. baby trawls)
- fishing without a license
- fishing outside of allocated fishing ground (incursions)



Illegal fishing (inshore)

- fishing with illegal gears (e.g. baby trawls)
- fishing in closed areas (MPAs)
- deployment of excessive number of stationary units (traps, etc.)



Unreported fishing

- illegal at-sea transhipmpents: direct illegal exports (affects both inshore and offshore fisheries - especially in the south). Catch and production data/statistics directly affected. State revenue diminished
- illegal direct landings in foreign ports: affects both inshore and offshore fisheries – especially in the south. Catch and production data/statistics directly affected. State revenue diminished. Presumed weak port controls in surrounding jurisdictions – and little bi-lateral MCS cooperation

Unregulated fishing

- few capacity limits in most fisheries including lacking gear specifications
- most fisheries lack fisheries-specific management rules altogether
- generic management rules (e.g. closed season in offshore fishery) of mixed usefulness
- » pervasive lack of law enforcement

Drivers of IUU fishing

- DOF transferred the inspection power to NAVY
- No inspection boat in coastal and deep sea water.
- Manpower (limited budget for recruitment)
- Heavy duties (inspection for quality control, aquaculture, inland and marine fisheries)
- Political commitments



Initiatives to address IUU fishing

- Consultation with stakeholder
- Development of VMS
- Development of Fisheries Comanagement
- Commitment of Parliament
- Assistance of Development Partners





Country update for IUU fishing

- Current fisheries law is cover to combat IUU fishing but it is need to compensate specific definition according to International document under by law and procedure Now drafting the new marine fisheries law and submitted to Parliament for final approval

 NPOA-IUU drafted by the year 2015 and approved by 2016 and now already implemented according to NPOA-IUU to combat IUU fishing in the country

 For NPOA-Capacity, DoF has planned to draft the Fishery Management Plan by 2019, which will cover to the managing fishing capacity

 Translating English version from Myanmar trade related existing documents



CURRENT LAW AND LEGISLATION AND ENFORCEMENT ON MANAGEMENT OF NPOA-CAPACITY, NPOA-IUU OF THAILAND

By Ms. Duangporn Na Pombejra

The 4 th Meeting of Andaman sea Sub-region

20-21 November 2018 Bangkok, Thailand Updates on Current Law and Legislation and Efforts on management of Fishing Capacity and combating IUU Fishing (NPOA- Capacity; NPOA-IUU)

Department of Fisheries, Thailand

Agenda 5 – Promote of Effective Management of Effective Management of Fishing Capacity and to reduce illegal and destructive (combat IUU) Fishing in the Andaman Sea Sub-region



Outline of Presentation

- Legal Framework
- Situation before 2015
- New legal Framework on Fisheries management
- Legal Instruments related to fisheries
- Actions Taken
- A new legal framework
- · Controlled fishing effort
- Controlled Fishing gear
- · Controlled fishing vessel registration

Legal Framework



Prior to 2015 Insufficiency for effective fisheries management The Fisheries Act 1947 Thai Vessel Act 1938

New Legal Framework on Fisheries Management

- Royal Ordinance on Fisheries 2015
- Royal Ordinance on Fisheries 2015 and the amendments
- Royal Ordinance on Thai Vessels 2018
- National Council for Peace and Order
 NCPO Order

Law of the Sea Convention (UNCLOS)	UN Fish Stock Agreement (UNFSA)	FAO Port State Measures Agreement (PSMA)	ютс	SIOFA	WCPF
Party	Party	Party	СР	СР	CNP

Actions taken - a new legal Framework

A limited access system - A fishing license

- The number and type of Fishing gear authorized
- The maximum allowable catch or time period during which fishing operations are permitted
- MSY is used as the reference point for license
- Taken into account the fishing capacity and natural productivity of fish

Actions Taken - Controlled Fishing Effort

Applied catch limitation to fishing license Based on the 2015 FMP

- Dermal fish: 40% reduction in the Gulf of Thailand and 10% in the Andaman Sea
- Pelagic fish : 30% reduction in the Gulf of Thailand and 20% in the Andaman Sea

To reduced capacity

- Applied TAC to each license
- Limited Fishing days for vessel with high-efficiency gear
- Reduced the number of license available in certain areas through the license combination programme

Actions Taken - Controlled Fishing Gear

To Control the Efficiency of Fishing Gear

- The issuance of new high efficient gear license is not allowed
- All artisanal vessel operating high efficiency gear had to apply for a commercial fishing
- High efficiency gear type : pair trawl; otter board trawl; beam trawl; purse seine; anchovy purse seine; anchovy falling net; anchovy lift net
- Ban on destructive fishing gear

Actions Taken - Controlled Fishing

- Limitation of fishing days 30 days -291 days with regard to the size of fishing vessel/2 years duration of fishing license
- Limitation of number of fishing vessel -Trawl nets; Surrounding nets; Lift nets or falling nets; Gillnets or set gill nets
- Mesh size limitation
- Seasonal area close
- Zoning 1.5 12 NM for Artisanal vesel

Actions Taken - Controlled fishing vessel registration

Increased registration controls

- Control of vessel registration
- · Control of vessel change of purpose
- Authority to revoke registrations
- Authority to identified vessels with Unique Vessel Identification (UVI)

Increased collaboration

- Integrated MD and DOF processes
- · Collaborated with other countries to verify registration

Key Issues - The Royal Ordinance on Fisheries 2015

Fisheries Law Reform

- Licensing system based on scientific findings and Maximum sustainable yield (MXY)

 Efficiency measure against vessels undertaking IUU within and outside Thai waters ,regardless of its' nationality of vessel or offenders Traceability system from catch to the consumer as a market state

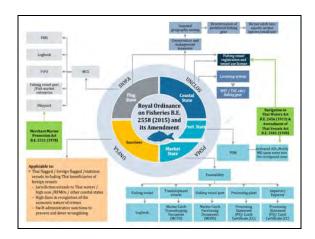
 Monitoring, Control and Surveillance (MCS) as a flag state, coastal state and port state

 Port State measures

- Port State measures
- Administrative sanctions / Deterrent criminal sanctions
- Safeguard of welfare of seamen to prevent human trafficking, forced labour and illegal practices

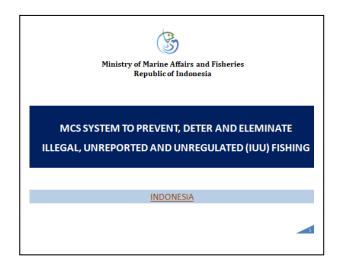
Key Issues - The Royal Ordinance on Fisheries and the amendment 2017

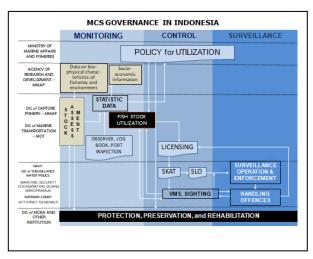
- More effective control measures on fishing activities, in particular on control of transshipment activities
- > Strengthening PSM measures on import of fish and fish product and uploading at port by Foreign flagged vessels etc.



UPDATES ON PROGRESS OF MONITORING, CONTROL, AND SURVEILLANCE OF INDONESIA

By Mr. Rizal Rifai





MONITORING Aspects:

- -. Observer: Only For Transporter Vessel (Transshipment at sea)
- -. Landing Compulsory to the designated port (2 Port have been put in license)
- -. Log Book Report (planning to have on-line log-book)
- -. Fishing port is limited in the number
- -. Artisanal Fishing:
- < 10 GT, No Need Document, Only Registration No need log book

No need report to the port, difficult to record the data

Controlling Aspects:

- -. License : < 30 GT Province Authority, > 30 GT Central Gov.
- -. Fishing Vessel have each Fishing Zone to Fish, Fishing outside the zone is subject to violation
- Fishing in Indonesia jurisdiction VS Fishing in High Seas. It have Different license mechanism. For vessel licensed to fish in high seas are restricted to fish in 7FF.
- -. > 30 GT is subject to install VMS
- -. SLO (Legal letter from Fisheries inspector)
- -. SPB (Sailing Permit from Harbor Master)

MARINE & FISHERIES STRATEGIC ISSUES • Illegal , Unreported and Unregulated Fishing (IUU Fishing) • over fishing • Fisheries Business Competitiveness • Tariff Barrier • Marine ecosystem degradation • Fuel supply for fisherman and artisanal fisheries • Salt Importation • climate change • Poverty in coastal area

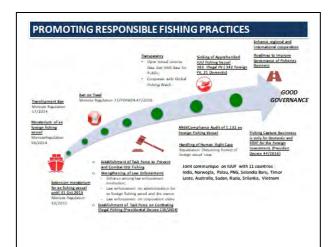


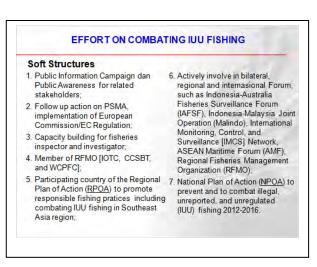
Various Model of Illegal Operation

- · Fishing vessels without legal permit
- Fishing using prohibited fishing gears, in unauthorized fishing ground, port of call
- Fake documents, manipulation of prerequisite to conduct fishing activities (DC, Bill of Sale)
- Unreported Transshipment (without reported to the assigned fishing ports)
- · Double flagging (not reflag)
- Dummy (Unreal) company address and forgery of documents issued by other institutions.

04/12/2018

STRENGTHENING MCS -. MONITORING a. Continues to collaborate with the relevant agencies body for FSA and agreed on the latest standard assessment b. Establish KOMNASKAN (National Fishery Commission) c. Developing integrated Infrastructure (Center of Integrated Fisheries and Marine) d. Developing E-Log Book











UPDATES ON PROGRESS OF MONITORING, CONTROL, AND SURVEILLANCE OF MALAYSIA

By Mr. Osman bin Mohamed

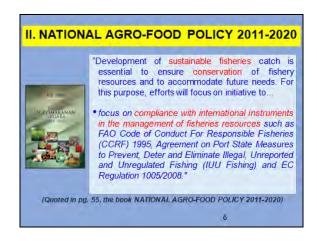










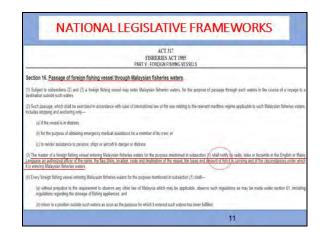


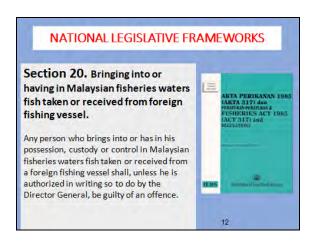


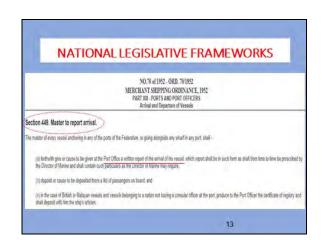




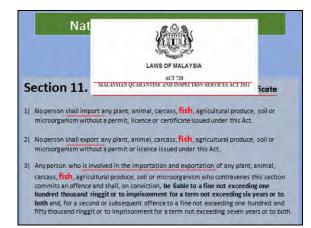




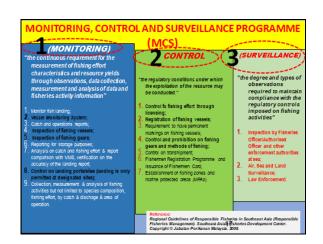




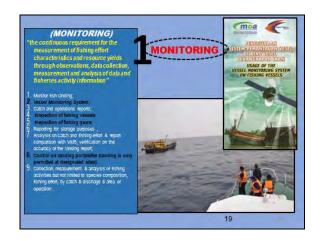


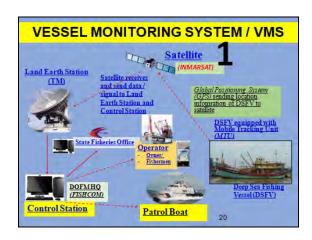


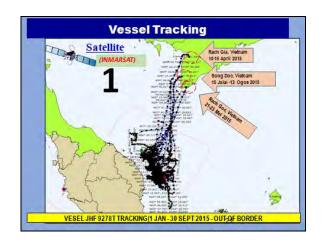








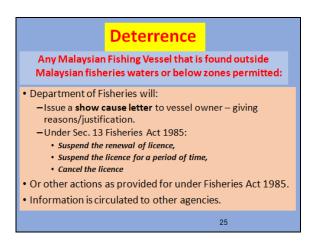












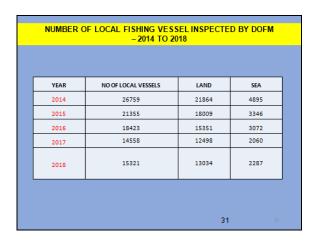


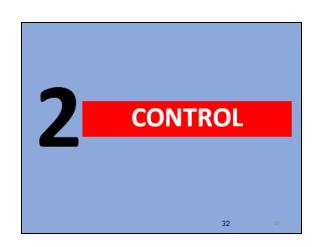




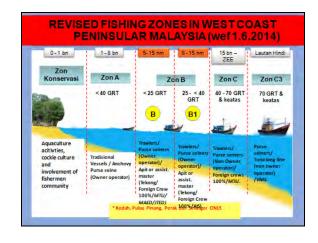


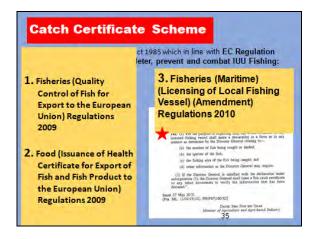


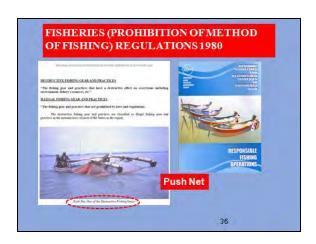






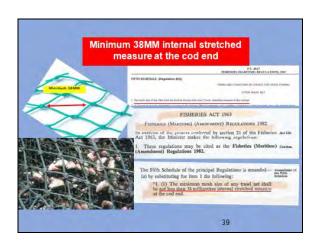
















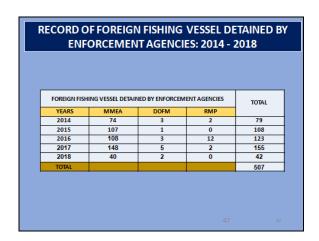


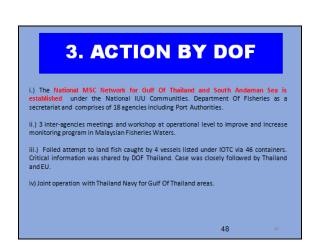












UPDATES ON PROGRESS OF MONITORING, CONTROL, AND SURVEILLANCE OF MYANMAR

By Dr. Kyaw Kyaw

4th Meeting of the Andaman Sea Sub-Region

Myanmar MCS update information

Country update on progress of M, C and S

20-21 November 2018

Bangkok Lotus Hotel,
Thailand



PORT STATE DUTIES

☐ Fishing vessel registration

- According to the Myanma Marine fisheries law (1990), all fishing vessel shall have vessel registration and authorization of fish.
- Myanmar fishing vessel is not allowed to fish beyond Myanmar EEZ.
- If fishing vessel violates the rules and regulations two times, it will be confiscated by DoF. Therefore, IUU vessel will not include in fishing vessel list.

PORT STATE DUTIES (CONTD.)

□ Record of fishing vessel

- In fishing vessel record of DoF.
 - **♦Name of Vessel**
 - ♦ Name of owner
 - ♦Identification card no. of owner
 - Address of owner
 - Company
 - **♦ Length, Width and GRT of vessel**
 - **& Engine Brand, Serial no, HP, Registration Number**
 - ***Issued date of Vessel Registration**
 - **♦Type of hull,**
 - **♦Name of master**
 - ♦Permitted fishing ground and fishing gear
 - In addition (change of owner, vessel name, engine, fishing gear and vessel measurement)

FLAG STATE DUTIES

- Authorization to fish
- In accordance with the fisheries laws,
- No fishing vessel is not allowed to fish in High sea and other countries EEZ.
- No foreign fishing vessel shall without a permit or a licence, enter the Myanmar fisheries water engaging in the fishery.
- The entrepreneur has right to appoint the agent who is capable of taking charge of the fisheries.
- Fishing gear/method, fishing period, permitted species, size of fish, licence conditions are determined by DoF.
- Vessel marking system are in place. Transshipment at sea is allowed for carrier vessel and these vessel have to fill the transshipment form.

COASTAL STATE DUTIES

When Fishing vessels want to go-out to the fishing ground, have to apply the sailing order to the DOF.

- Fishing Licence
- Fisherman Registration Card
- National Registration Card
- Vessel Registration Certificate by DMA
- Life Saving Appliance (LSA)
- Communication Equipment Licence
- Fishing Gears
- Sailing Order

COASTAL STATE DUTIES (CONTD.)

When Fishing vessels come back from the sea, the check point, as a OSS members inspect again below:

- Whether the Fishermen those come-back to Check Point.
- Check the Fishing log book.
- Whether the fishing vessels have operated in the fishing ground over fishing period.
- Inspection the species of catching.
- After inspection above mentioned, allowed to fishing vessel to proceed their landing site.

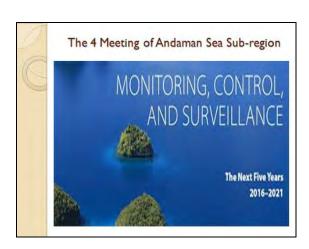
Update for MCS

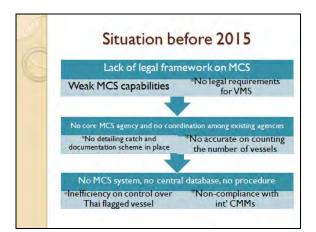
- Establishment of Vessel Monitoring System (VMS)
 (checking cost and benefit)
- Specific Division will be formed.
- Dialogue with Thai-Myanmar DoF Staffs.
- Planned under DANIDA project for Sea Fishery
 Patrols in Marine Coastal Fisheries in the
 Tanintharyi and Rakhine by 2018-19 including
 preparation and implementation.

UPDATES ON PROGRESS OF MONITORING, CONTROL, AND SURVEILLANCE OF THAILAND

By Ms. Duangporn Na Pombejra







Actions Taken

- Establishment of legal framework
- Set up core MCS agency and inter-agency cooperation improvement
- Set up MCS system with the support of new tools and operational procedure improvement



Establishment of Legal Framework

- The urgent need on legal basis for the effective functioning of the MCS -Chapter 7 : Control, Surveillance, Traceability and Inspection
- Monitoring activities under Marine Fisheries Management Plan (FMP) by law

Establishment of Legal Framework

Control on Fishing Activities

- Fishing Areas a management scheme to protect coastal zones, prohibited areas during spawning and nursery seasons, MPAs and fishing zones
- In put and Out put control control on fishing efforts based on MSY, fishing and landing activities
- Science-based control Limit control on type of fishing gear, setting limits on the length of grounds round ropes, mesh sizes

Establishment of Legal Framework

Legal requirements for Surveillance

- 30 GT. and above to install and operate VMS and transmit a signal at all time, whether at port or at sea
- all commercial fishing vessels to submit logbooks recorded the catch and relevant fishing activities.
- All Thai flagged overseas fishing vessels be equipped with ERS and EM system, complete transshipment declarations, labelling obligations and the observer on aboard

Actions taken - Additional tools

- Als tool used to monitoring Thai flagged overseas fishing vessels, transshipment vessels and foreign vessels
 Development of the Maritime Information Sharing Centre (MISC) platform which retrieves and shares data across relevant authorities (MD, DOF, MP, Customs, DMCE, Excise Department) by THAI-MECC and development of a Behaviour Analysis Software to analyze the historic behaviour of fishing vessels using VMS, AlS and radar data
- Fishing Info System a platform to exchange and share vessel information and is used to control Port In and Port Out activities of all Thai flagged fishing and support vessels
- Fishing logbook to cross check the VMS system to detect any chance of infringement
- <u>Pre-Common Risk Assessment (Pre-cra)</u> to determine the risk profiles of vessels

Monitor



Actions Taken - Agencies

- The Command Centre for Combat Illegal Fishing (CCCIF)
- Department of Fisheries
- Marine Department
- Department of Marine and Coastal Resources

Actions Taken - Monitoring Tools

- FMP
- VMS
- Fishing Info, Thai Flagged
- Landing
- Logbook
- Observer on board
- Marking requirements fishing vessel and transsipment vessel

Primary data: fishing effort, area of fishing operation, catch, species, composition and discards





Actions Taken

- Law and regulation
- · Spatial control MPA, zoning
- Input controls; license system, fishing days
- Technical control: Gear, mesh size
- Output control: Prohibited species

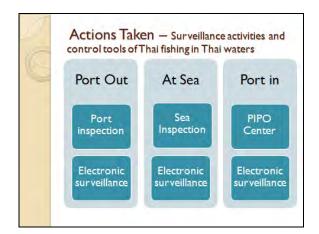
Surveillance

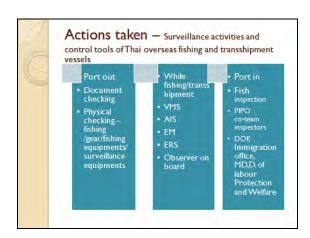
Actions Taken - Agencies

- The Command Centre to Combat Illegal Fishing
- Department of Fisheries
- The Royal Thai Navy
- The Customs Department
- Department of Marine and Coastal Resources
- Marine Department
- · THAI MECC
- Royal Thai Policies

Actions Taken

- Set up surveillance system
- Introduced tool kits and technology -VMS, AIS, ERS, PIPO, Logbook, transshipment control, observer, inspection at sea, Pre-common Risk Assessment, Behavior Analysis Software



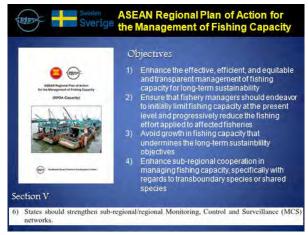


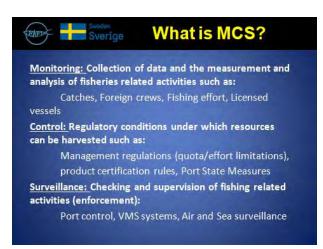


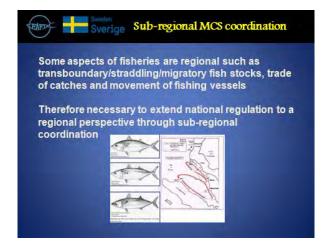
DEVELOPMENT OF A SUB-REGIONAL COOPERATION ON MONITORING, CONTROL, AND SURVEILLANCE IN FISHERIES IN THE NORTHERN ANDAMAN SEA

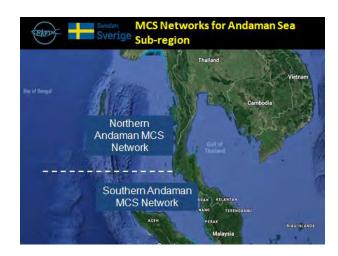
By Ms. Pattaratjit Kaewnuratchadasorn, SEAFDEC Secretariat



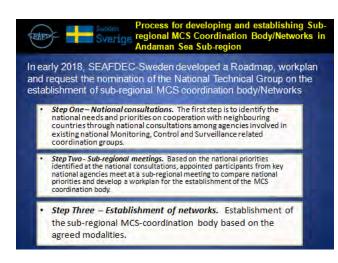
















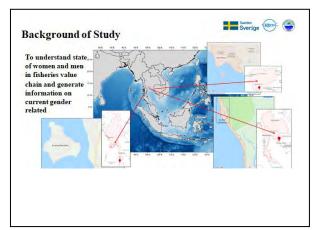




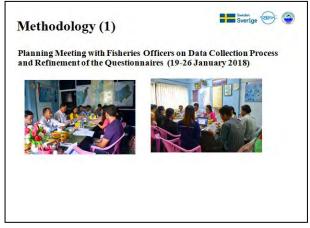
SOCIAL PROFILE AND GENDER ANALYSIS IN KAWTHUANG TOWNSHIP OF MYANMAR

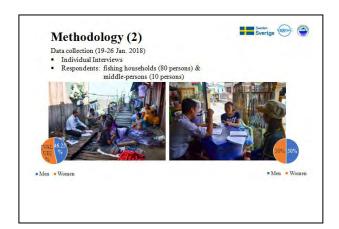
By Ms. Jariya Sornkling







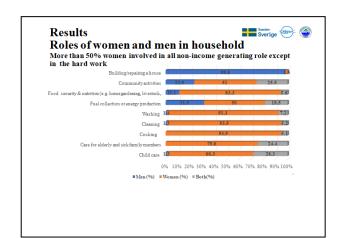


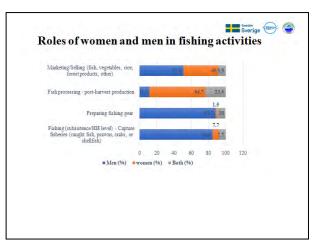




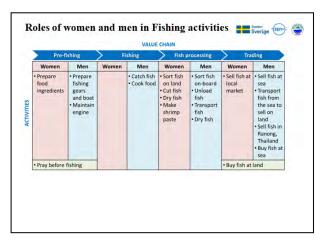












Results and Conclusion





- Gender analysis revealed that gender differentiated roles are based on characteristics of fishing.
- Strong stereotype of gender division of labor delineating tasks regarded as low status and of less economic value, e.g. processing task (cleaning, cutting & sun drying of fish) for women.
- Men in intensive physical labor and produce a high economic return.
- Men usually seen venturing for fishing in Andaman Sea for weeks and marketing the catch in bordering areas in Thailand.
- Women keen to learn new skills and willing to venture in fishing alongside their male counterparts.

Results and Conclusion





- Cases of some women working as middle-person & retailers.
- Need to create an opportunity for female fisherfolks through appropriate interventions towards sustainable promotion of small-scale fisheries.
- Empower female fisherfolks and make this community resilient to combat the climate change related disasters.
- Women demonstrated willingness to challenge the gender stereotype and norms prevalent in their community.
- More in-depth and diagnostic gender analysis is needed to understand the gender dynamics along the value chain. If climate change puts the spotlight on the future of small-scale fisheries, women's rights is at the heart of sustainable promotion and development of the future of small-scale fisheries.

Recommendations





- > Provide understanding on Gender concept to local villager
- > Build capacity and awareness people especially women and youth in their area for preserve livelihood and sustainable use of resources
- ▶ Job opportunities at Pu Lone Tone Tone, it have Capacity on Local ecotourism area, Fish processing, Tailor and handicraft.



GROUP DISCUSSION TO DRAFT ON COOPERATION FOR MANAGEMENT ACTIONS FOR THE ANDAMAN SEA SUB-REGION

Group 1: Transboundary Resources

Sub-regional cooperation in action	Transboundary Resources
Why is sub-regional cooperation important?	 Nature of migration is the need for among countries to implement co-management and effective cooperation It is important for the scientific-based information To disseminate technical finding on fisheries resources management, it is needed a venue and mechanism to present the finding based on scientific information to the political decision for consideration and action
What are the Challenges?	 It is important for the scientific-based information to transfer for policy support Knowledge gaps and Awareness level between Fishery biologists/Scientists-Managers-Policy makers for better fisheries resources management Difference on human resources capacity, experiences and knowledge levels among the countries. Secure financial resources for the sub-regional cooperation including research and implementation of the activities
What are the BENEFITS of sub- regional cooperation?	 Sustainable utilization and management of common fish species of interest for the sub-region (e.g. Neritic tunas, mackerels, anchovies, etc.) Increasing incomes, better livelihood and well-being of people depending on fishing activities and all supply chain Understand fisheries status and make pre-cautionary planning
Key issues for sub-regional cooperation?	 Limited capacity to develop transboundary management actions Information for fisheries management incomplete Migration patterns available (partial) and how to the information can be inputs for consideration for the pre caution planning and further action Unknown stock sizes and status (catch decreased) Insufficient knowledge on spawning seasons and areas, closed seasons and closed areas National management and legal frameworks not harmonized and synchronized among 4 countries No clear joint policy (or policy for joint action - no mandate - no call for joint management Standardized statistics framework exist but heterogeneous data collection (human and financial capacities), fisheries profile Coastal infrastructure (e.g. port development) impacting fisheries
Priorities/opportunities/options	 Utilization of the available data and information for precaution planning and fisheries managements Harmonization/Synchronization of the national management actions (such as closed seasons and closed areas) and updated legal frameworks
Which tools can be used to promote sub-regional cooperation?	 Flagship or pilot projects to provide tangible outcomes Sharing information, lesson learned and exchange experience among the countries (e.g. Fishery Improvement Project for Blue Swimming Crab)

	 Communication, Social networking, contact points among the countries for the subjects (e.g. transboundary species In-country consultations on the future possible support on the subregional Andaman Sea Cooperation legal frameworks Institutional arrangement Sharing information and conducting joint activities Incentives for cooperation: understand the causes of Climate Change and some countries lost and gain on the changes of the CC, so that cooperation can provide the ideas and how to pre causion planning and management Mediation and dispute resolution mechanisms Cost and benefit sharing Financing Improvement on the data collection at the landing sites
Incentives for cooperation	Exchange of the knowledge and information among the countries
	to understand fisheries resources due to Climate Change,
	migration patterns changes, Some countries lost and and some
	countries gain, so that it is important for networking and
	cooperation can provide the ideas and how to pre-caution planning
	and management

Group 2: Management of fishing capacity and to reduce illegal and destructive (combat IUU) fishing

Sub-regional cooperation in action	Management of fishing capacity and to reduce illegal and destructive (combat IUU) fishing
Why is sub-regional cooperation important?	 Lack of management by one country to impact the others Need to clear everything (waiting for they find for sharing) Improve fisheries management Need to update policy and monitor vessels for IUU fishing
What are the Challenges?	 Uncertainty of top management, then need support from third party who is international organization or NGO (such as SEAFDEC and so on) to discuss in high level meeting which came up with "TOR" or "SOP" as standard for the sub-region Need solid body to face the top management about the important/critical issue on fisheries management Unclear of delimitation Various interest/ different country perspective Countries have different capacity
Which tools can be used to promote sub-regional cooperation?	 Capacity building to law enforcers for all countries (investigation) Sharing legal policy on fisheries management with other countries (confidential in nature for security reason) Strengthen the capacity of existing body/mechanism (e.g. ASEAN summit) and/or invited third parties (such as SEAFDEC, NGOs) to provide the technical inputs Establishment of coordination patrol Development of website for AMS to update and share the data on information of IUU fishing (monitoring of suspicious vessel on the sea) Need SOP on MCS activities inception (such as measure fish product on board etc.) Mechanism of central persecution