

SUMMARY ON COUNTRY INPUTS AND LITERATURE REVIEW (step 1)

Presented by :

SOMBOON SIRIRAKSOPHON



AGENDA 4B



2

No. Questions
1 To achieve a sustainably management in Rastrelliger brachysoma r in national EE Sub-regions (a what are the issues/knowle gaps/scientific questions/prio should be add based on your opinion/expert country require



2¤	Please elaborate on the roles of the four cross- cutting themes in addressing these science questions to support the future actions on RAP if any A. Capacity building and technology transfer I	 DNA study Otolith Data collection (make the same standard in each country) Data analysis Stock assessment for transboundary species Modeling for stock assessment Modeling for stock assessment knowledge on identification of species, biology and analysis fishing gear technology, database- software. Traceability system using technology-logbook <i>Role of partnership</i>: Improved capacities among countries (i.e. stock assessment, data collection, enforcement, etc.) will harmonize management strategies and measures for the stock.²²
Ħ	 B. Potential Partnerships (at country, Regional and international)¶ 	 University¶ Scientist among regional country¶ SEAFDEC¶ AMS¶ Regional Action bodies: GEF, IOTC¶ Hokkaido University¶ National Fisheries Research Institutions ¶ <i>Role of partnership</i>:¶ This will improve management of the transboundary stock by access to data which will be useful in the collective assessment in the region.¶ This will also result to a more realistic/reliable assessment in the region.¶



¤	C. Access to information, data and knowledge (such as satellite data, regional production data/statistic, ocean data simulation, etc)	 Regional fisheries statistic data (SEAFDEC)¶ Water quality data from Pollution Control Department¶ Trawl base¶ Ocean Forecasting system (e.g. IOC/WESTPAC, SEAGOOS, etc.¶ Role of partnership¶ This activity will improve participation among all stakeholders on responsible practices¤
¤.	 D. Communication and awareness raising ¶ ¶ ¶ ¶ 	 Educate people and student in fisheries communities Distribute brochures or any media to promote of fisheries management Raise awareness of both small-scale fishers and commercial fishers Sharing of the findings to both policy management level and fishermen develop consultation among researchers, managers and stakeholders (EAFM) support the Sustainable management concept, Co-management, and EAFM.^{III}





LIST OF KNOWLEDGE GAPS/ISSUES BY TARGET COMPONENT(step 2)

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COMPONENT 1: DATA AND INFORMATION

- Insufficient landing data, biological data collection for population and abundance study
- study on migratory route, spawning ground
- Regular monitor data collection on capture production
- Identify Spawning grounds and seasons

COMPONENT 2: UNDERSTAND THE FISH STOCK STATUS

- DNA study
- Stock status of R brachysoma (distribution and abundance)
- Population dynamics (Growth parameters, mortalities and relationship to other regional stock)
- Actual effort to exploit the resources
- stock assessment for transboundary species
- Stock structure
- transboundary distributions
- Multi-fishing gears to harvest

COMPONENT 3: MANAGEMENT RESPONSES

- Fisheries Management Plan
- Review on existing and effectiveness of regulations
- develop co-management schemes/arrangements
- transboundary management mechanism/plan
- Effects/Loss to IUU fishing
- database- software
- Traceability system using electronic logbook
- support the Sustainable management concept, Co-management, and EAFM







COMPONENT 4: AWARENESS BUILDING

- Educate people and student in fisheries communities
- Distribute brochures or any media to promote of fisheries management
- Raise awareness of both small-scale fishers and commercial fishers
- Sharing of the findings to both policy management level and fishermen
- develop consultation among researchers, managers and stakeholders (EAFM)
- to support the Sustainable management concept, Co-management, and EAFM

COMPONENT 5: STRENGTHEN REGIONAL COOPERATION

- Standardized data collection for regional stock assessment
- Data sharing
- Lack of management body
- Develop the transboundary management mechanism/plan

COMPONENT 6: STUDY THE ENVIRONMENT IMPACT

- Temporary disappear of short mackerel in the Gulf of Thailand
- IMPACT of climate change to fish migration route

COMPONENT 7: ENHANCE CAPACITY BUILDING

- Inadequate knowledge on research works as follows:
 - o Species identification of small size (juvenile) and larval fishes
 - otolith (to know age of fish)
 - o Data collection at landing sites: catch and biological data
 - Data analysis
 - Stock Assessment and modeling for stock assessment
- Fishing gear technology







