



**The 2nd Regional Scientific and Technical Committee Meeting for
the SEAFDEC/UN Environment/GEF Project on Establishment and Operation of
a Regional System of Fisheries *Refugia* in the South China Sea and Gulf of Thailand**

21st – 23rd May 2019

Thansur Sokha Hotel, Kampot Province (Fisheries Refugia Site), Cambodia

**MANAGEMENT OF TRANSBOUNDARY FISH STOCKS OF
INDO-PACIFIC MACKEREL IN THE GULF OF THAILAND**

SEAFDEC-SWEDEN PROJECT

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Sweden
Sverige

Management of Transboundary Fish Stocks of Indo-Pacific Mackerel in the Gulf of Thailand

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Regional scientific and Technical Committee Meeting of the SEAFDEC/UNEP/GEF Fisheries Refugia in the South China Sea and Gulf of Thailand, 21-23 May 2019, Kampot, Cambodia

SEAFDEC-Sweden Project (2013-2019)



VISION

Sustainable use of aquatic resources and reduced vulnerability to climate change, by fishing communities in the ASEAN region


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OUTLINE

- Introduction
- Background
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- Next Step

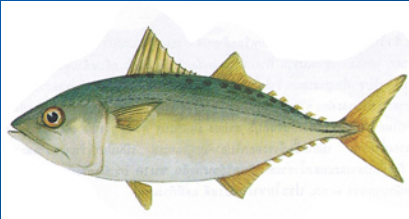



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INTRODUCTION 

Target species

- **Common name:** short mackerel, Indo-Pacific mackerel, Plattoo (Thai)
- **Scientific name:** *Rastrelliger brachysoma*




BACKGROUND 

Gulf of Thailand Sub-regional Initiatives on transboundary fish stocks



- SEAFDEC-Sweden project supports the Gulf of Thailand countries (Cambodia, Malaysia, Thailand and Viet Nam) to discuss on the transboundary species towards for the sustainable use of fisheries resources.

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BACKGROUND 

Gulf of Thailand Sub-regional Initiatives on transboundary fish stocks

At the 5th Meeting of the GoT in 2015, SEAFDEC was suggested to:

- Encourage GoT countries to formulate policies by including data collection activities in the national policy frameworks to support long-term fisheries management
- Conduct sub-regional activities for better understand stock status and migratory pattern of Plattoo which will be used as a basis for establishing agreements on coordinated national measures for transboundary stock.

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ACTIVITIES 

Sub-regional Initiatives for Transboundary Fish Stocks in GoT

- 2016: Expert Group Meeting on Stock Status and Geographical Distribution of AIB Species in the GoT
- 2017: Technical Meeting on Planning for Development of Stock Study for AIB Species in the GoT
- 2017: Stock Study on Indo-Pacific mackerel in GoT since late 2017



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ACTIVITIES 

Sub-regional Initiatives for Transboundary Fish Stocks in GoT

➤ 2018:

- Indo-Pacific mackerel Tissue Sampling were collected in Cambodia, Malaysia, Thailand and Viet Nam
- DNA Analysis were conducted by Genetic Laboratory of Kasetsart University, Thailand



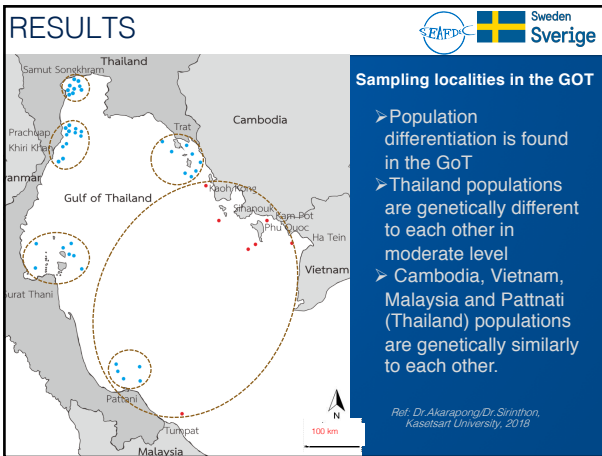
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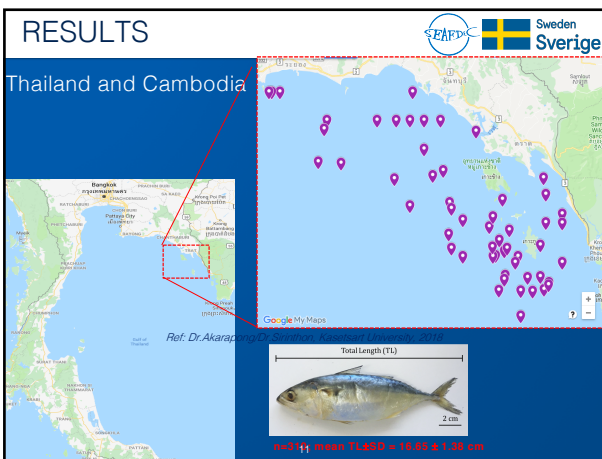
ACTIVITIES 

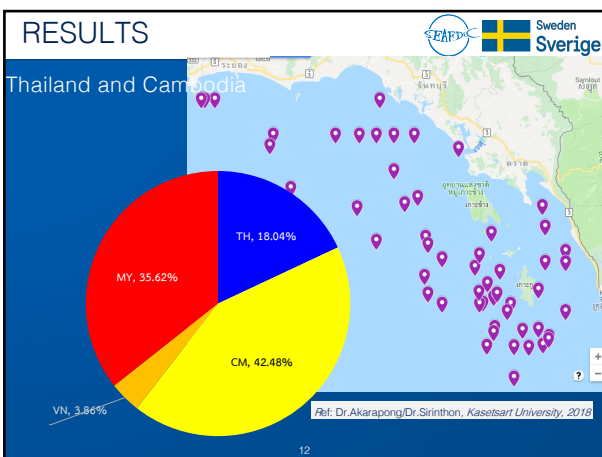
➤ 2018:


- ❖ Gulf of Thailand Technical Meeting on Management of Transboundary Species: Indo-Pacific Mackerel 19-20 December 2019, Bangkok, Thailand
- ❖ Objective to disseminate the result from the DNA studying of Indo-Pacific mackerel in the Gulf of Thailand


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CONCLUSION	
	
<p>Recommendations and follow-up actions/needs towards development of the sub-regional transboundary species management plan- Indo-Pacific mackerel</p>	
Recommendations	Follow-up actions/needs
1.MSA study in Cambodia, Malaysia, and Viet Nam	Fishery <i>refugia</i> project to be consulted with RSWG for accommodating in their work plan of activity
2. Monitor the change of tidal, sea surface temperature	Consult with the countries the possibility to install data logger in safe place of the participating countries, or to have collaboration research with academic
3.Monitor larvae transport	(same as above)

CONCLUSION	
	
<p>Recommendations and follow-up actions/needs towards development of the sub-regional transboundary species management plan- Indo-Pacific mackerel</p>	
Recommendations	Follow-up actions/needs
4.Simulation of chlorophyll A, current, temperature and etc.	To coordinate and collaborate with the countries (fishery <i>refugia</i> project)
5.Biological and physical study in the GOT	To follow-up with SWG physical oceanography and larvae expert (JTF project)
6.Biological and physical study in the GOT	Hotspot of eggs and larvae and logbook (refer to survey result conducted by MV SEAFDEC 2)

CONCLUSION	
	
<p>Recommendations and follow-up actions/needs towards development of the sub-regional transboundary species management plan- Indo-Pacific mackerel</p>	
Recommendations	Follow-up actions/needs
7.Stock assessment	<ul style="list-style-type: none"> - To conduct stock assessment through existing SWG (ASEAN-SEAFDEC) - Procedures: 1) conduct population stock in the GOT; 2) total landing; 3) MSA; and 4) prioritization of the most important genetic stock
8.Establishment of database	<ul style="list-style-type: none"> - all important data/information for management - establish specialist group

NEXT STEP



SEAFDEC-Sweden Project in discussion with SEAFDEC/UNEP/ GEF Fisheries *Refugia* Project to facilitate the sub-regional consultation to develop action/management plan for Indo-Pacific mackerel (short mackerel) within 2019

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