



Implementation and the Success of the Project

# Strengthening Regional Cooperation and Enhancing National Capacities to Eliminate IUU Fishing in Southeast Asia

[ 2020 – 2024 ]



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SEAFDEC Training Department



# INTRODUCTION

Situation of IUU Fishing

SEAFDEC + AMSs

**RFVR** Database

Regional Cooperation to Support  
Implementation of **PSM**

**eACDS**

SEAFDEC  
Council

ASEAN  
Mechanism



# REGIONAL FISHING VESSELS RECORD (RFVR DATABASE)

Web address: [www.seafdec.or.th/rfvr/index.php](http://www.seafdec.or.th/rfvr/index.php)

**Regional Fishing Vessels Record (RFVR)**

The Regional Fishing Vessels Record (RFVR) Database is an online system collaboratively established by the ASEAN Member States (AMSs) under the ASEAN-SEAFDEC Strategic Partnership (ASSP) mechanism.

The RFVR Database is a basic information required effective tools to support the fishing vessel inspection to reduce the Illegal, Unreported and Unregulated (IUU) fishing vessels. It is expected that RFVR will work as a practical tool for related authorities of the ASEAN Member States (AMSs) in checking and taking corrective actions against inappropriate behavior of its fishing vessels, thereby supporting the elimination of IUU fishing in the Southeast Asian Region.

For example, AMSs can take appropriate actions against "Stateless Vessels, IUU fishing vessels, pouching" by sharing information and identifying problematic vessels through the RFVR database. Moreover, the information in RFVR Database is planned to update time to time by AMSs that means AMSs emphasize to share information on fishing vessels for combat and eliminate IUU fishing in the region.

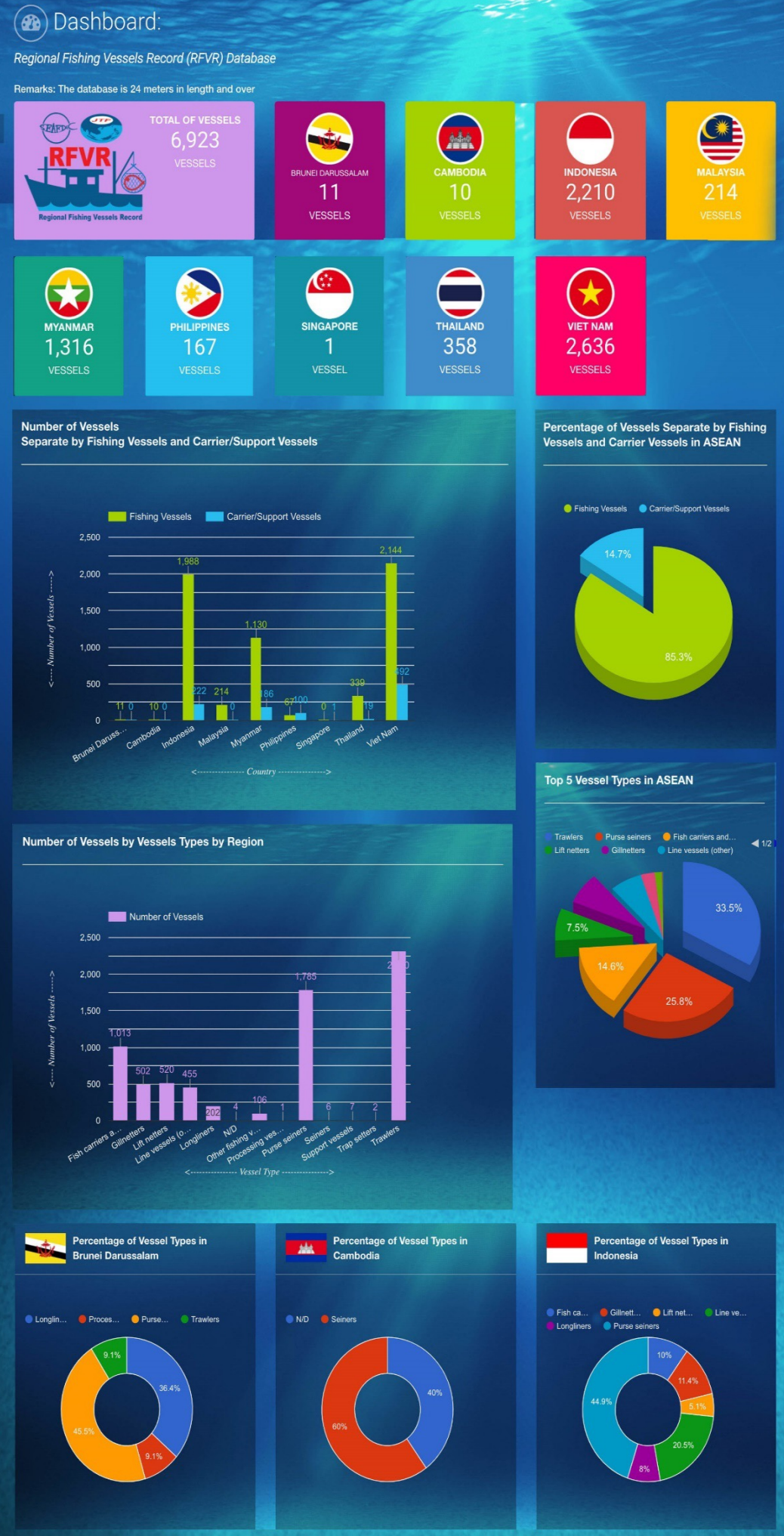
**VIEW SUMMARY RFVR**

**LOGIN PAGE**  
for ASEAN Member States (AMSs)

**28 KDEs**  
Key Data Elements

Name of Vessel	Vessel Registration Number	Owner Name	Type of Fishing Method/ Gear
Fishing License Number	Expiration Date of Fishing Licenses	Port of Registry	Gross Tonnage
Length	Breadth	Depth	Engine Power
Shipyard/Ship Builder	Date of Launching/ Year of Built	International Radio Call Sign	Engine Brand
Serial Number of Engine	Hull Material	Date of Registration	Area of Fishing Operation
Nationality of Vessel	Previous Name	Previous Flag	Name of Captain
Nationality of Captain	Number of Crew	Nationality of Crew	IMO Number

# STATUS OF THE DEVELOPMENT



## The RFVR Database

- **Basic information** required effective tools to support the fishing vessel inspection to reduce IUU fishing vessels
- Enhancing **transparency, traceability, and support inspection** in relation to **PSM** activities.
- Information in the **RFVR database** is available for the vessel 24 meters in length and over
- There were **28 Key Data Elements (KDEs)**

# 28 KDEs

## IN THE RFVR DATABASE

Name of Vessel

Vessel Registration Number

Owner Name

Type of Fishing Method/Gear

Fishing License Number

Expiration Date of Fishing Licenses

Port of Registry

Gross Tonnage

Length

Breadth

Depth

Engine Power

Shipyard/  
Ship Builder

Date of Launching/  
Year of Built

International  
Radio Call Sign

Engine Brand

Serial Number  
of Engine

Hull Material

Date of Registration

Area of Fishing  
Operation

Nationality of  
Vessel

Previous Name

Previous Flag

Name of Captain

Nationality of  
Captain

Number of Crew

Nationality of Crew








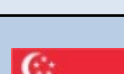

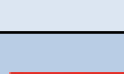
IMO Number





# 5,375 Vessels

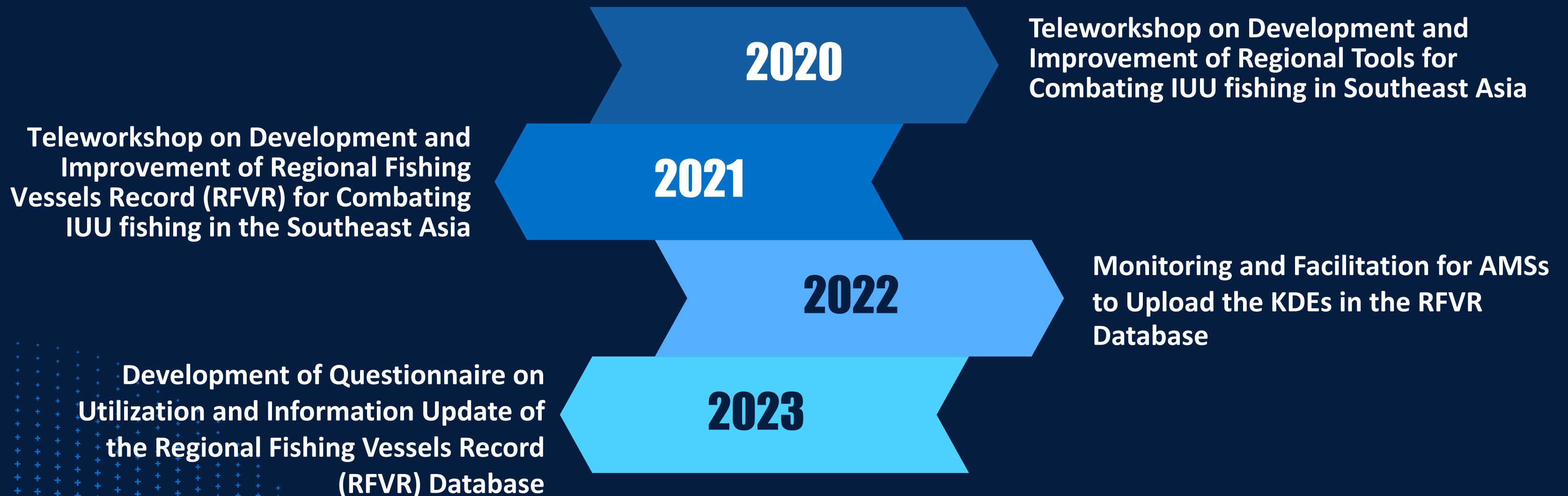
## NUMBER OF VESSELS IN THE RFVR DATABASE

Country	Fishing Vessels	Carrier Vessels/Supporting Boats/Processing Vessels	Total	Data Updated
 Brunei Darussalam	9	1	10	2 May 2023
 Cambodia	5	-	5	1 Nov 2023
 Indonesia	866	-	568	8 Jan 2024
 Lao PDR	-	-	-	-
 Malaysia	211	-	227	31 Jan 2024
 Myanmar	1,204	186	1,418	19 Dec 2023
 Philippines	67	93	167	1 Nov 2021
 Singapore	-	1	1	1 Nov 2021
 Thailand	329	14	343	18 Apr 2023
 Viet Nam	2,144	492	2,636	1 Nov 2021

Remarks: Information from the Database of the Regional Fishing Vessels Record updated in February 2024



# MILESTONE AND SUCCESS IMPLEMENTATION OF RFVR (2020-2024)



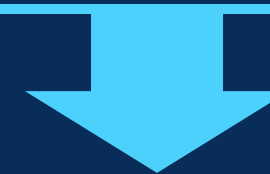


# 2020 : ACHIEVEMENTS OF PROJECT IMPLEMENTATION

## Teleworkshop on Development and Improvement of Regional Tools for Combating IUU Fishing in Southeast Asia

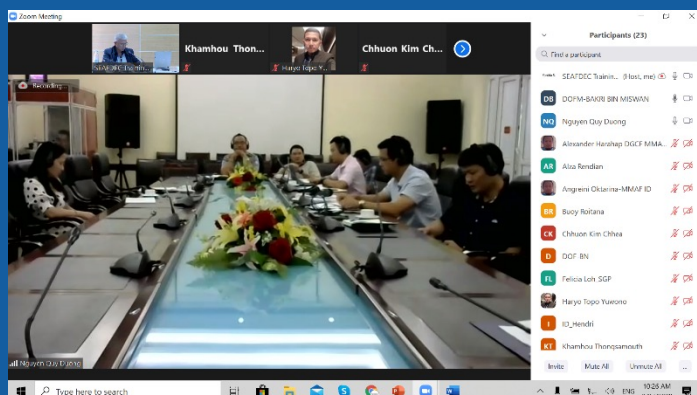
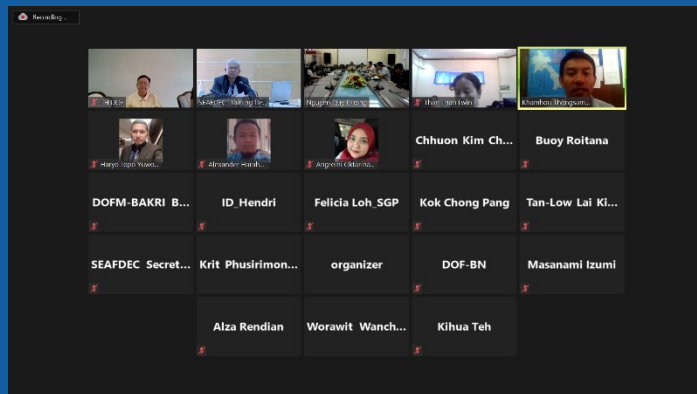
was organized from 27 to 28 August 2020 , via online platform

agreed that a new dataset of RFVR database for vessels sizes smaller than 24 meters (range of 18-23.99 meters)



The results from the discussion during the 43<sup>rd</sup> PCM (November 2020) and subsequently at the 53<sup>rd</sup> Council Meeting (April 2021)

**The 53<sup>rd</sup> Council Meeting suggested that this matter should be discussed clearly further at the technical level.**







# 2021: ACHIEVEMENTS OF PROJECT IMPLEMENTATION

RFVR - Upload Data Form

Select CSV file

test-Brunei-final.csv

Submit

Reset

“Teleworkshop on Development and Improvement of **Regional Fishing Vessels Record (RFVR)** for Combating IUU fishing in the Southeast Asia” was organized from 27 to 30 September 2021, via online platform



1. Updated information of vessels registration and fishing license through the implementation of activities to combat IUU fishing among AMSs
2. Understanding of the introduced template/format for uploading the KDEs of RFVR database by country themselves

REGISTRATION NO.	VESSEL NAME	VESSEL TYPE	TYPE OF GEAR	EXPIRY DATE OF FISHING LICENSE
8	SUHAILAH 1	Purse Seiner	Purse Seine	16/12/2019
8	GOLDEN 10	Purse Seiner	Purse Seine	12/6/2020
3	H.Z.AZAM V	Trawler	Trawler	25/10/2021
91	GEMILANG SERI 1	Purse Seiner	Purse Seine	20/5/2021
116	GEMILANG SERI SHUNFAN 1	Processing vessels	Processing vessels	4/5/2021
4117	GEMILANG SERI SHUNFAN 2	Purse Seiner	Purse Seine	11/8/2021
B4118	GEMILANG SERI SHUNFAN 3	Longliner	Tuna Longline	19/5/2021
B4119	GEMILANG SERI SHUNFAN 4	Longliner	Tuna Longline	19/5/2021
B4120	GEMILANG SERI SHUNFAN 5	Longliner	Tuna Longline	19/5/2021
B4121	GEMILANG SERI SHUNFAN 6	Longliner	Tuna Longline	19/5/2021

**AMSs can update information in RFVR Database since 1 November 2021**

Type of Fishing Gear	Vessel Type (Refer to FAO ISSCSV)	Date of Registration (dd/mm/yyyy)	Fishing License No.	Expiry Date of Fishing License (dd/mm/yyyy)	Port Register	Gross Tonnage	Unit of Gross Tonnage (GRT/GT)	Length (Meters)	Breadth (Meters)
Trawler	TO	7/11/2007	No. B 29277	10/25/2021	Brunei Darussalam	139.00	GT	25.00	6.00
Purse Seine	SP	17/4/2013	No. B 29224	6/12/2020	Brunei Darussalam	99.00	GT	30.20	6.00
Purse Seine	SP	2/3/2016	No. B 29222	5/20/2021	Brunei Darussalam	98.78	GT	24.30	6.00
GEMILANG SERI SHUNFAN 3	Tuna Longline	1/2/2018	No. B 29260	5/19/2021	Brunei Darussalam	220.00	GT	31.23	7.80
GEMILANG SERI SHUNFAN 4	Tuna Longline	1/2/2018	No. B 29261	5/19/2021	Brunei Darussalam	220.00	GT	31.23	7.80
GEMILANG SERI SHUNFAN 5	Tuna Longline	1/2/2018	No. B 29262	5/19/2021	Brunei Darussalam	220.00	GT	31.23	7.80
GEMILANG SERI SHUNFAN 6	Tuna Longline	1/2/2018	No. B 29263	5/19/2021	Brunei Darussalam	220.00	GT	31.23	7.80
GEMILANG SERI SHUNFAN 2	Purse Seine	28/3/2016	No. B 29268	8/11/2021	Brunei Darussalam	220.00	GT	35.10	8.00
GEMILANG SERI SHUNFAN 7	Purse Seine	24/3/2016	No. B 29269	8/11/2021	Brunei Darussalam	220.00	GT	35.10	8.00
SUHAILAH 1	Purse Seine	24/2/1998	No. B 29207	12/16/2019	Brunei Darussalam	98.63	GT	28.60	6.00
GEMILANG SERI SHUNFAN 1	Processing vessels	23/3/2016	Processing License No.	5/4/2021	Brunei Darussalam	842	GT	62.5	10



# 2022 : ACHIEVEMENTS OF PROJECT IMPLEMENTATION

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Monitoring and facilitation for AMSs to upload the KDEs in the RFVR database



AMSs updated the KDEs in the RFVR database by themselves

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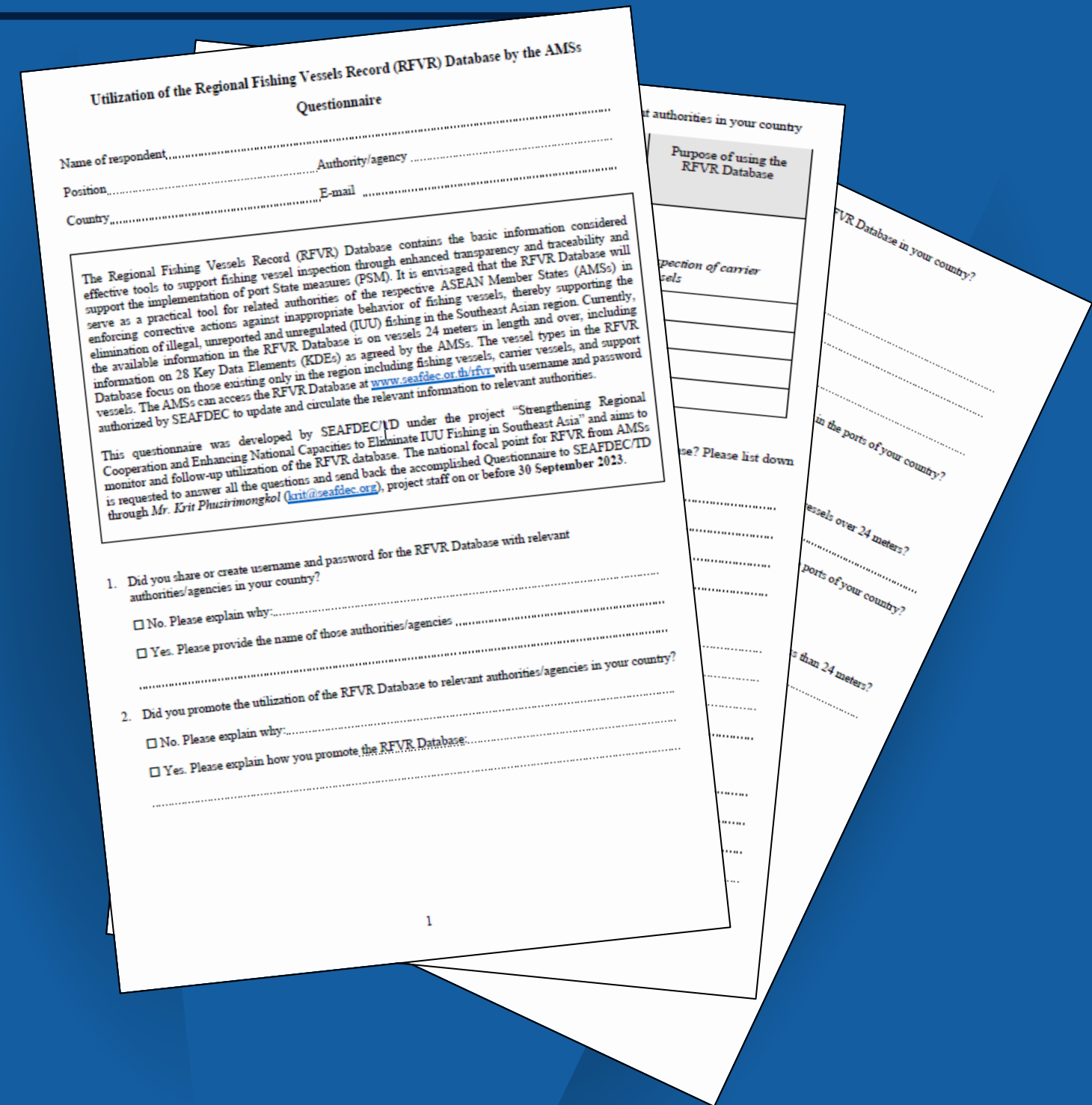
# 2023

# ACHIEVEMENTS OF PROJECT IMPLEMENTATION

## Development of questionnaire on utilization and information update of the Regional Fishing Vessels Record (RFVR) Database



## Utilization and information update of the Regional Fishing Vessels Record (RFVR) Database





# **REGIONAL COOPERATION TO SUPPORT THE IMPLEMENTATION OF PORT STATE MEASURES (PSM) and Monitoring Control and Surveillance (MCS)**

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Web address: [www.seafdec.or.th/psm](http://www.seafdec.or.th/psm)





# PSM & MCS

## MILESTONE AND SUCCESS IMPLEMENTATION OF PSM & MCS (2020-2024)

The Online Regional Training Course to Support Implementation of PSM for Inspector

2021

- The Regional Workshop on Monitoring Control and Surveillance for Combating IUU Fishing in Southeast Asia

Regional Training Course on the United Nations Convention on the Law of the Sea 1982 (UNCLOS 1982) in Fisheries Perspective

2022

- The Regional Training Course on Port State Measures Inspection in Focus of Shipping Container for Fish and Fisheries Product

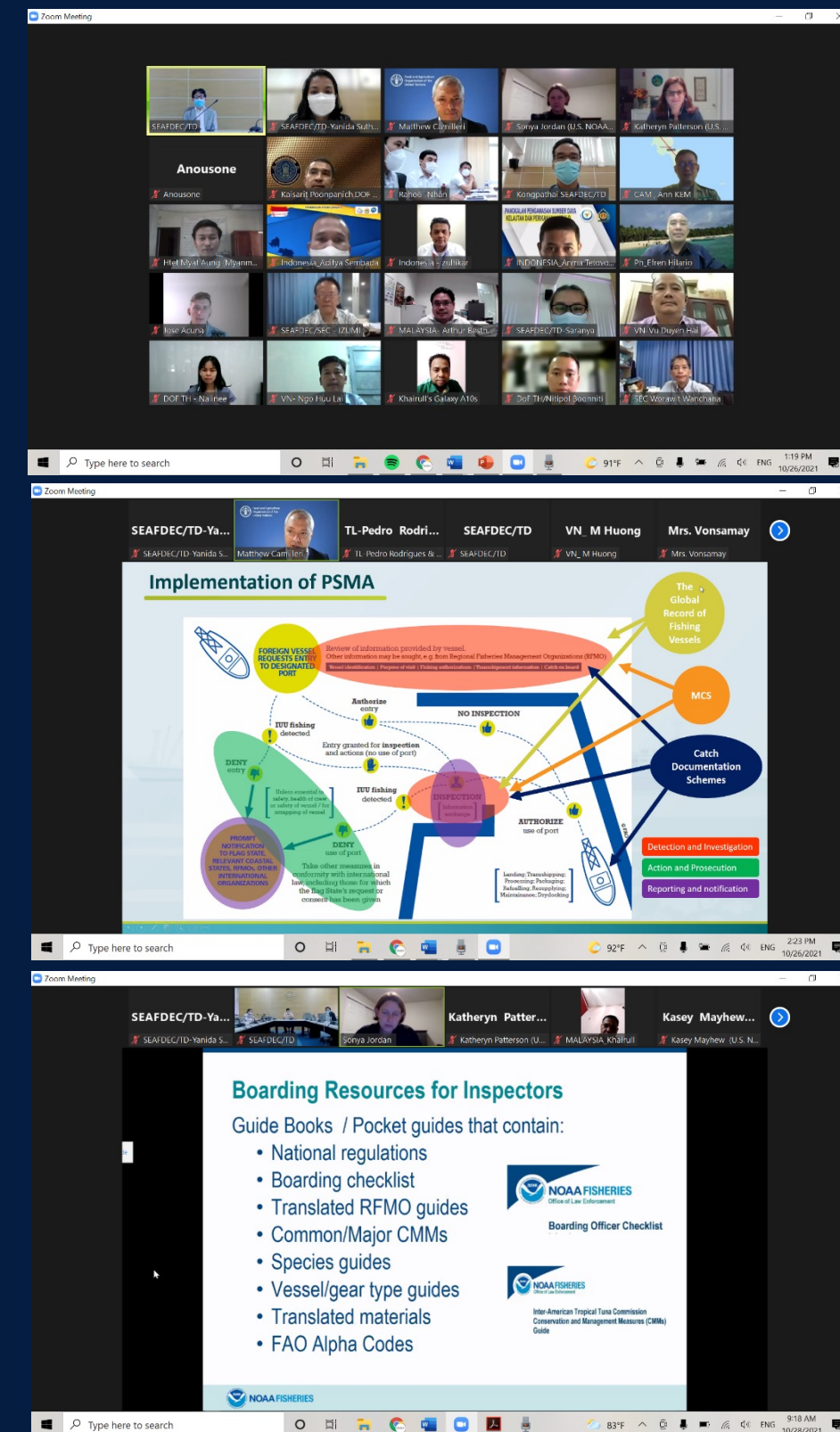
2023



## The Online Regional Training Course to Support Implementation of PSM for Inspector

was organized from 26 to 29 October 2021

1. Understanding on the status and the implementation of the PSMA;
2. Increasing knowledge, skills, and experience of participants on inspection to support Port State Measures and port control implementation; and
3. Further strengthening of regional cooperation to support the implementation of PSM in Southeast Asia.





## MCS : 2022

# ACHIEVEMENTS OF PROJECT IMPLEMENTATION

## The Regional Workshop on Monitoring Control and Surveillance for Combating IUU Fishing in Southeast Asia

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23-24 August 2022

- Updated information on MCS implementation activities to combat IUU fishing
- Understanding fisheries management tools for combating IUU fishing
- Capacity building needs on relevant MCS for combating IUU fishing
  - Technical assistance on NPOA capacity;
  - Capacity building on the electronic traceability;
  - Training on risk analysis of the pattern of fishing operation in each fishing gear by using VMS and AIS;
  - Technical assistance on data collection, stock assessment, and research survey of marine resources;
  - Training on inspection for foreign flag vessels (PSMA);
  - Sharing information on port inspection;
  - Fisheries intelligence/technology/application with notification



**PSM : 2022**

# **ACHIEVEMENTS OF PROJECT IMPLEMENTATION**



**The Regional Training Course on Port State Measures Inspection in Focus of Shipping Container for Fish and Fisheries Product**

was organized from 13-15 September 2022

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Increasing knowledge, skills, and experience of participants on inspection of fish and fisheries product importation via sea in container vessels, land and air transportation





**MCS : 2023**

# ACHIEVEMENTS OF PROJECT IMPLEMENTATION

**51** participants from  
the AMSs

**Regional Training Course on the  
United Nations Convention on the Law of the Sea 1982  
(UNCLOS 1982)  
in Fisheries Perspective**

6-9 November 2023



**THE LAW  
OF THE SEA**

## **Objectives**

- Enhance the capacity and knowledge of fisheries officers from ASEAN Member States (AMSs) in relation to UNCLOS 1982 and its implications for fisheries
- Share information on the National Plan of Action to Prevent, Deter, and Eliminate Illegal, Unreported, and Unregulated Fishing (NPOA-IUU) and international agreements related to IUU fishing



**MCS : 2023**

# ACHIEVEMENTS OF PROJECT IMPLEMENTATION

**Regional Training Course on the  
United Nations Convention on the  
Law of the Sea 1982 (UNCLOS 1982)  
in Fisheries Perspective  
6-9 November 2023**

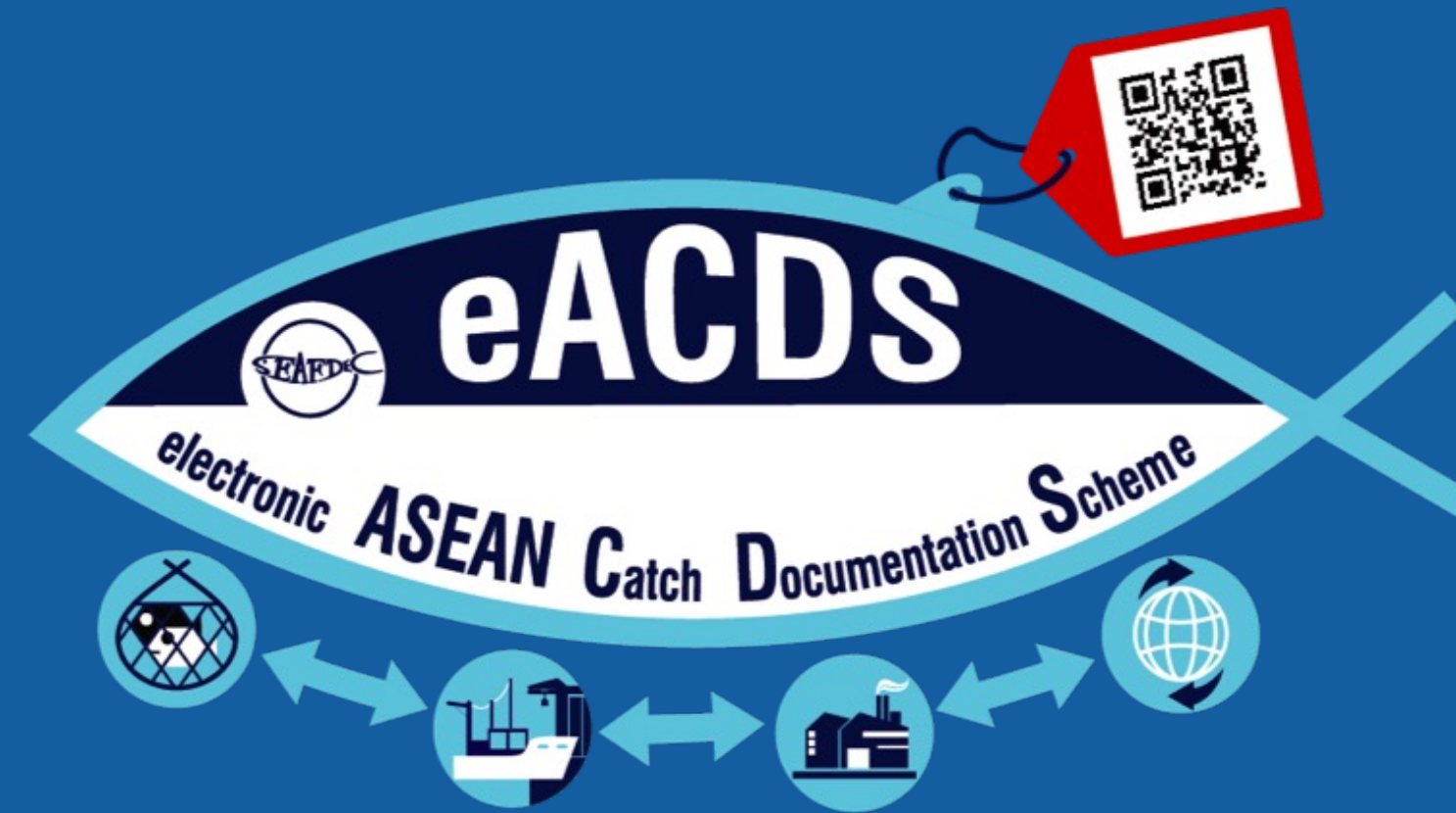
## Partners:



## Topics

- UNCLOS and UN Fish Stock
- International and Domestic Fisheries Laws: Case Studies
- Biodiversity Beyond National Jurisdiction (BBNJ) Agreement
- International Instruments of the Implementation of the Provision of the UNCLOS Relating to Fisheries Perspective through Prevent Deter and Eliminate IUU Fishing
- Implementation of FAO and fishery bodies of UNCLOS and other agreements



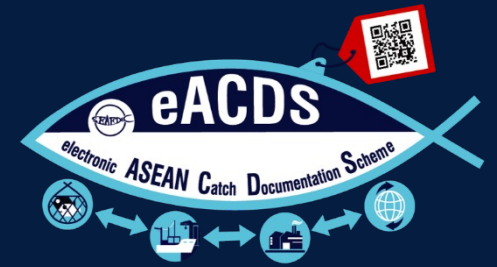


# DEVELOPMENT AND PROMOTION OF AN ELECTRONIC ASEAN CATCH DOCUMENTATION SCHEME (EACDS)

# WHAT'S eACDS?

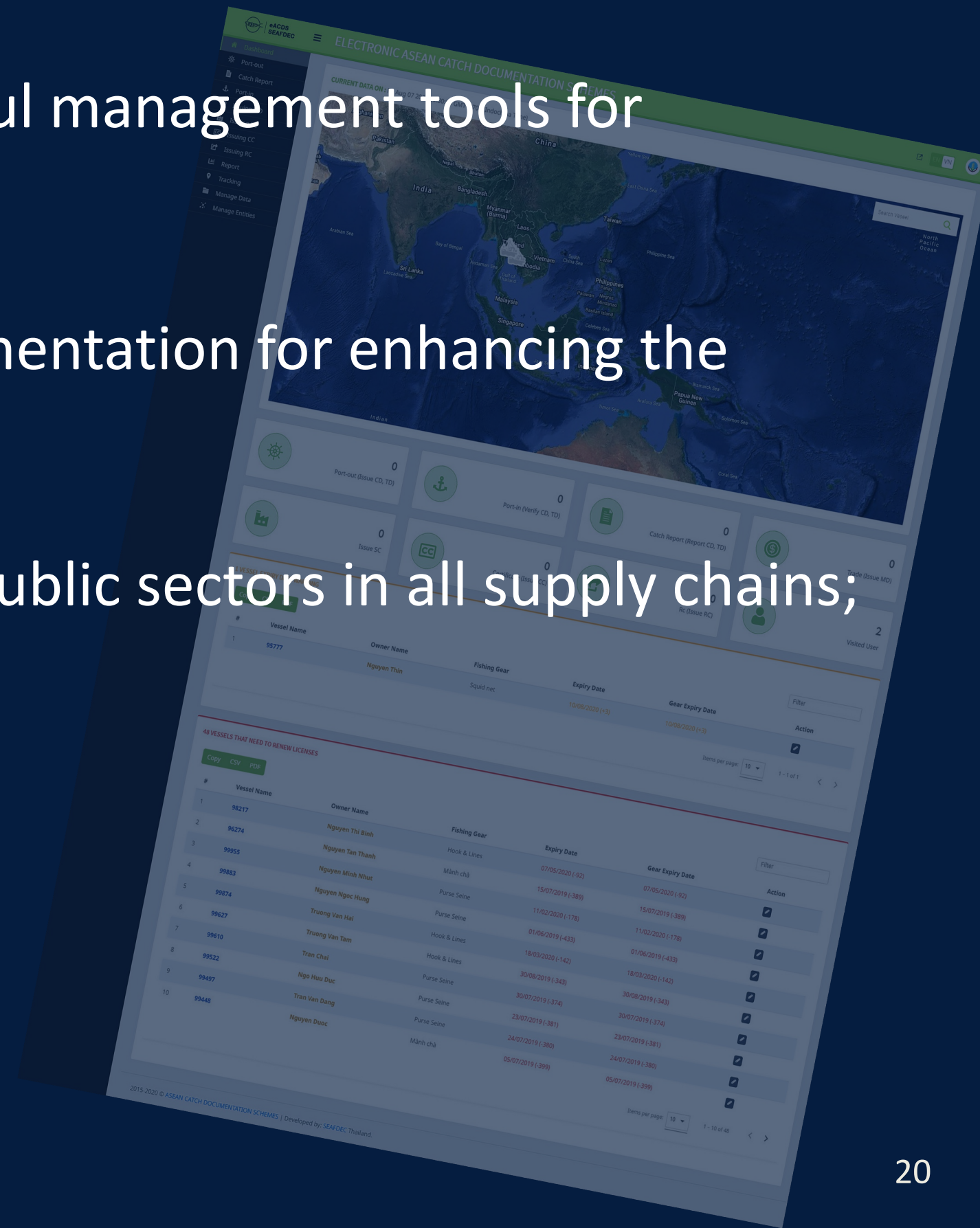
- ❖ A software for enhancing a traceability of fish and fishery products from fishing to plate
- ❖ Implementing eACDS required good governance in fisheries management: port control, catch reporting, recording movement of fish in the supply chain, export-import, etc.



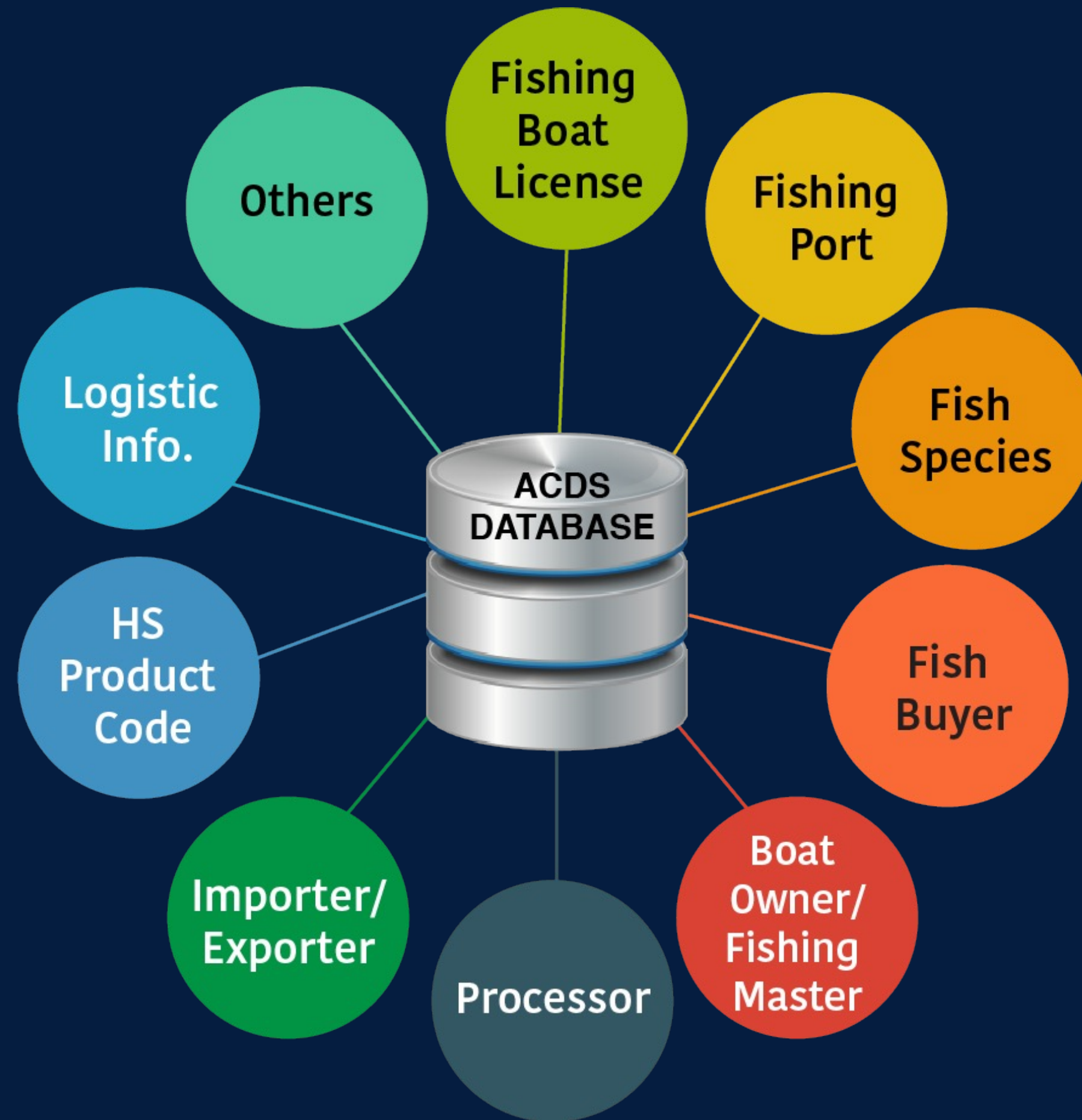


# OBJECTIVES

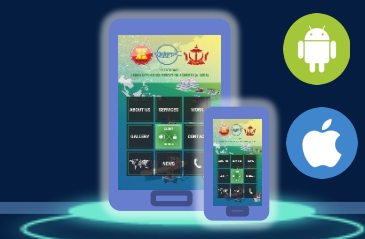
- To introduce the eACDS **as a prototype** for useful management tools for sustainable fisheries and combating IUU fishing;
- To reduce the burden of paper-works in the implementation for enhancing the traceability system for fish and fishery product;
- To strengthen the cooperation among for private-public sectors in all supply chains;
- To increase responsible and regulated fishing.



# KEY DATA ELEMENTS (KDEs)



# eACDS APPLICATIONS



## eACDS on Web-based Application

## eACDS on Mobile Application



### Vessel Owner/Fishing Master

Request Port-out and Port-in



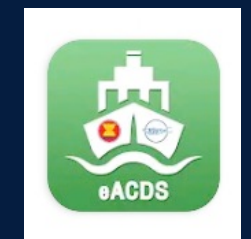
### Processor

- Request Statement of Catch
- Request Catch Certificate Document



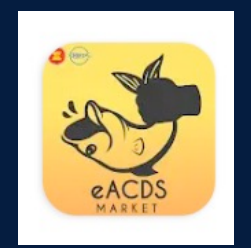
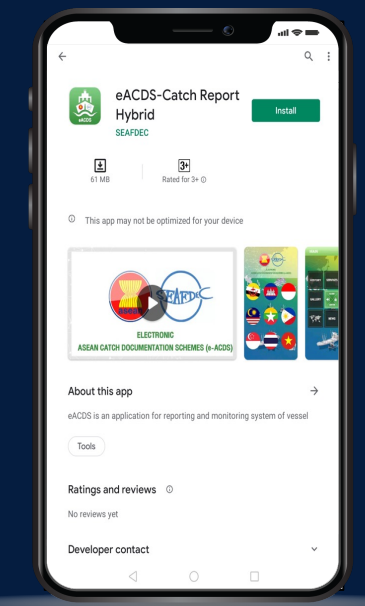
### Officer

- Approve Port-out / Port-in and Verify Weight
- Issuance Catch Declaration (CD)
- Issuance Movement Document (MD)
- Issuance Statement of Catch (SC)
- Issuance Catch Certificate Document (CC)
- View Reports and Manage KDEs



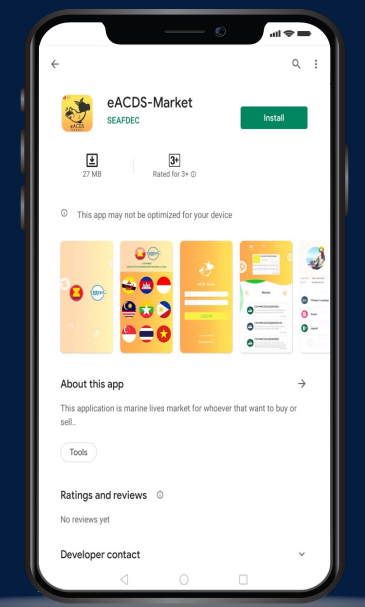
### eACDS-Catch Report App.

Fishing Master/  
Vessel Owner



### eACDS-Market App.

Seller and Buyer

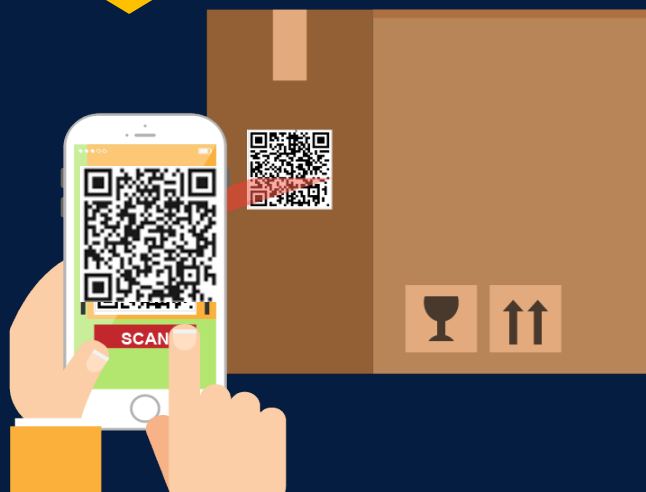


# eACDS SYSTEM FLOW CHART



**PART CD**  
**PART MD**  
**PART SC**  
**PART CC**

**TRACE FISHERY PRODUCT FROM QR-CODE**





# PROCEDURE OF eACDS IMPLEMENTATION

**STEP 1**



**INTRODUCTION**

**STEP 2**



**BASELINE SURVEY  
STATUS ANALYSIS**

**STEP 3**



**DEVELOP SYSTEM**

**STEP 4**



**TESTING SYSTEM**



**STEP 5**



**IT Transfer**



# STARTING IMPLEMENTATION OF eACDS



**2017**



**Brunei Darussalam**

**1 Fishing Port, 50 vessels**

Muara Port

**2018**



**Yangon, Myanmar**

**3 Fishing Ports, 100 vessels**

- Aung Phyto Myat Jetty
- Ei Phyto Yadana Jetty
- Ngwe Pinle Jetty

**2018**



**Binh Thuan, Viet Nam**

**4 Fishing Ports, 50 vessels**

- Phan Thiet Fishing Port
- Lagi Fishing Port
- Phu Hai Fishing Port
- Phan Ri Cua Fishing Port

**2019**



**Malaysia**

**2 Fishing Ports, 30 vessels**

- Kelantan
- Kuantan

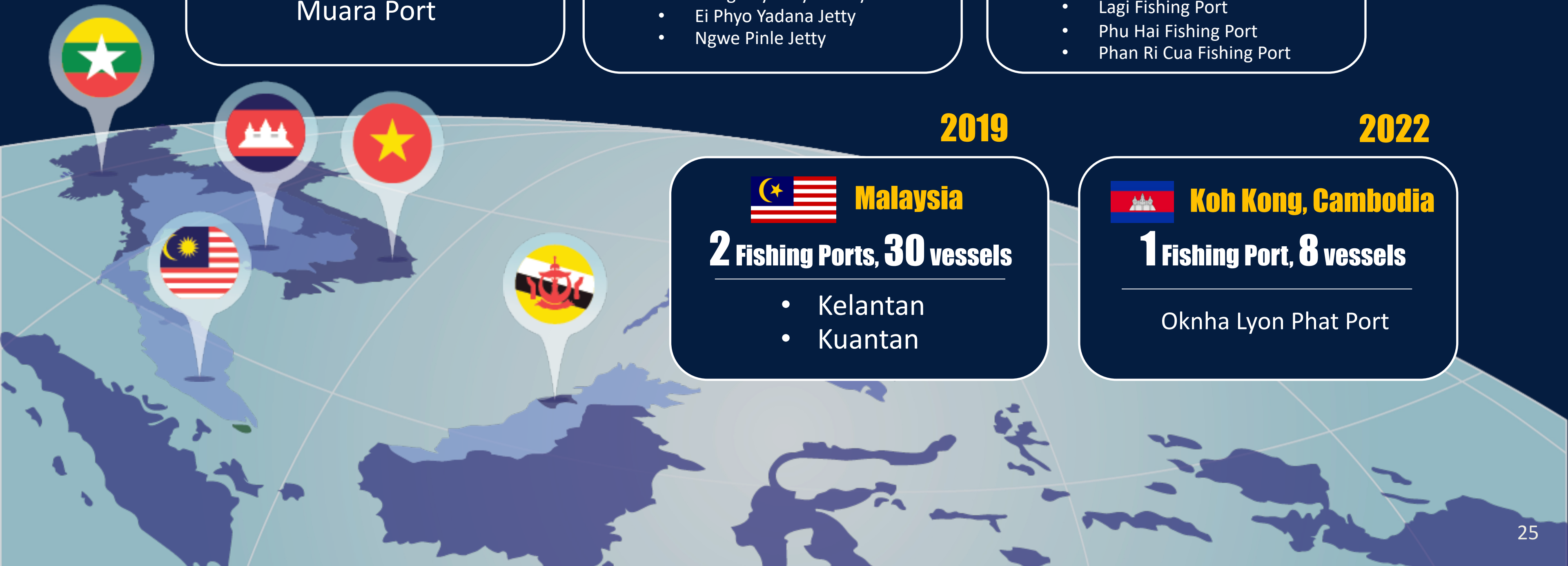
**2022**

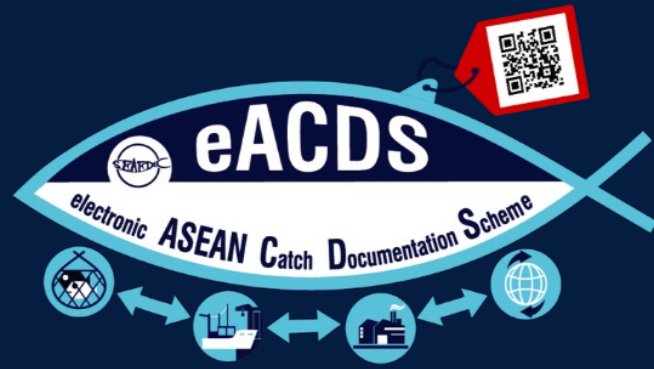


**Koh Kong, Cambodia**

**1 Fishing Port, 8 vessels**

Oknha Lyon Phat Port





# MILESTONE AND SUCCESS IMPLEMENTATION OF eACDS (2020-2024)

**2020**

- Improvement of eACDS Version 2
- Online Training & Trial on the Use of eACDS version 2 for Brunei Darussalam, Malaysia and Viet Nam

**2021**

Online Training on the Use of eACDS Application Version 2 for Brunei Darussalam, Malaysia, Myanmar and Viet Nam

**2022**

- The Online training on the use of eACDS application in the part of Movement Document (MD), Statement of Catch (SC), and Catch Certification (CC) for Myanmar

**2023**

- Online practical workshop on preparation and installation of the eACDS application to server for Myanmar
- Training course on the use of eACDS application in the part of Catch Declaration (CD) for Cambodia
- Technical assistance for eACDS training for Malaysia

- Facilitation on implementation of eACDS for Cambodia
- The Online Training on Preparation and Installation of the eACDS Application to Server Brunei Darussalam, Malaysia and Viet Nam



# 2020 : ACHIEVEMENTS OF PROJECT IMPLEMENTATION



## Improvement of eACDS Version 2



## 3 Online Training Courses & Trial on the Use of eACDS Version 2



Understanding on the use of eACDS application version 2 in the part of Catch Declaration (CD) and/or Movement Document (MD)



# 2021: ACHIEVEMENTS OF PROJECT IMPLEMENTATION

# 4

Online Training on  
the Use of eACDS  
Application  
Version 2



21 – 22 January 2021: **Myanmar**



24 – 25 February 2021: **Malaysia**



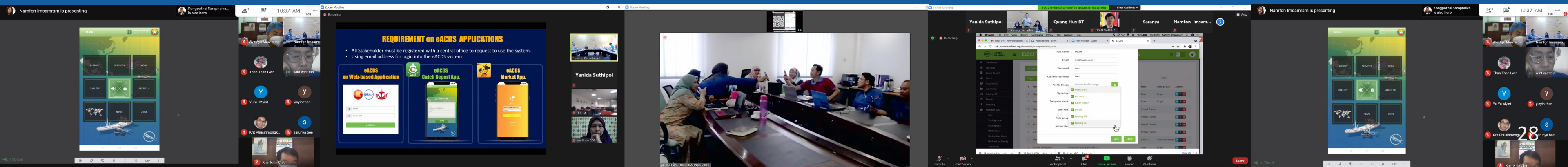
30 March - 1 April 2021:  
**Brunei Darussalam**

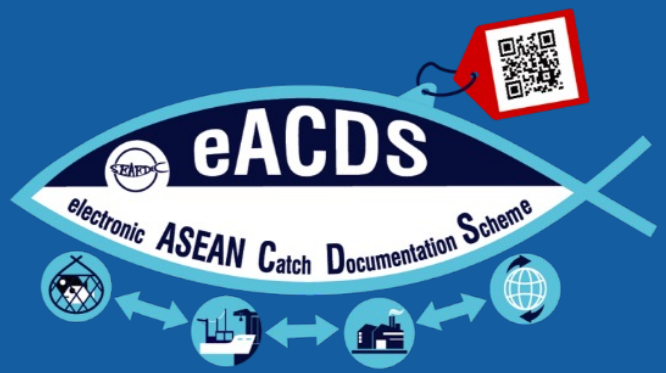


7 – 9 April 2021: **Viet Nam**

- Understand on the use of eACDS Application

- Trial of eACDS Application





# 2022 : ACHIEVEMENTS OF PROJECT IMPLEMENTATION



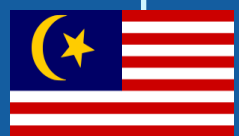
**The Online training on the use of eACDS application in the part of Movement Document (MD), Statement of Catch (SC), and Catch Certification (CC) for Myanmar**

- Understanding the use of eACDS application version 2



**Facilitation on implementation of eACDS for Cambodia**

- Discussion with FiA, Cambodia on eACDS implementation in the part of Catch Declaration and confirmation of project site
- the KDEs form was sent to Cambodia for collecting information.



**The Online Training on Preparation and Installation of the eACDS Application to Server Brunei Darussalam, Malaysia and Viet Nam**

- Understanding on preparation and installation of eACDS application to server
- Transferring of eACDS application as prototype for traceability of fish and fishery product to participating countries



# 2023 : ACHIEVEMENTS OF PROJECT IMPLEMENTATION

## Implementation and facilitation of eACDS application in the Member Countries



February

Online practical workshop on preparation and installation of the eACDS application to server for Myanmar

- Understand preparation and installation of the eACDS application to server and transferring of eACDS application as prototype for traceability of fish and fishery products



June

Training course on the use of eACDS application in the part of Catch Declaration (CD) for Cambodia

- Understanding the use of eACDS application for Cambodia



September, October, November

Technical assistance for eACDS training for Malaysia

- Technical assistance for Malaysia on the use of eACDS application





# OTHER ACTIVITIES





## Other Activities : 2020

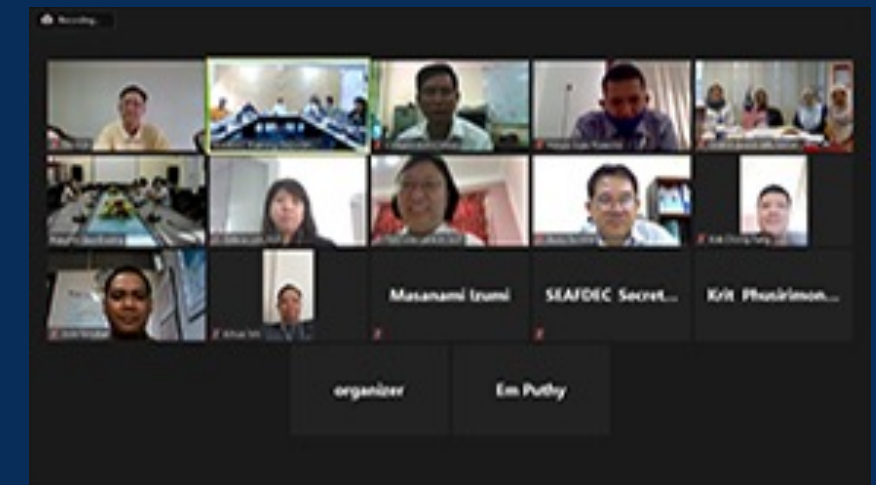
# ACHIEVEMENTS OF PROJECT IMPLEMENTATION

## Teleseminar on Way Forward for Combating IUU Fishing in Southeast Asia

was organized on 24-26 August 2020



## Way Forward for Combating IUU Fishing in Southeast Asia





## Other Activities

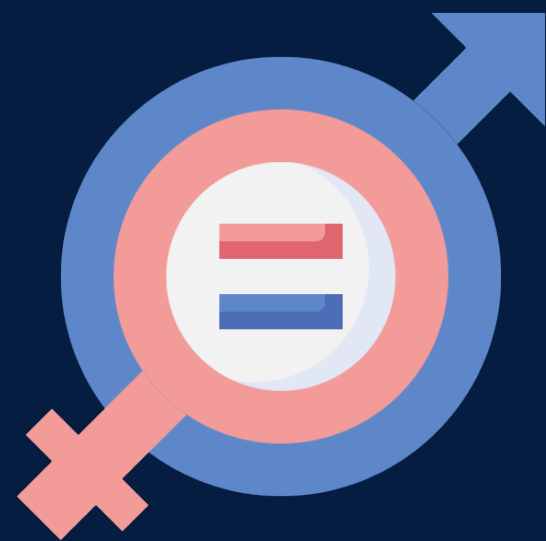
# 2022 : ACHIEVEMENTS OF PROJECT IMPLEMENTATION

**The Regional Workshop  
to Exchange  
Information on Catch  
Documentation Scheme  
and Traceability of Fish  
and Fishery Products**

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29 – 30 November 2022

- Updated information and effective implementation on traceability of fish and fishery products activities to combating IUU fishing
- Way forward to implement traceability of fish and fishery products of SEAFDEC Member Countries

# PROJECT CONCERNS



## Gender-Inclusive Participation

The project ensured that participation in all activities was open to men, women, and others, fostering diversity and inclusivity in capacity-building initiatives. Gender issues were not specifically encountered during the implementation of project activities.

## Adaptation to the COVID-19 Pandemic

The COVID-19 pandemic from 2020-2021 required the adjustment and rescheduling of planned activities to teleworkshops or online training sessions. Despite challenges, the project adapted and adjusted to the circumstances, ensuring continuity in capacity-building efforts while acknowledging the limitations of online meetings and training. However, the outcomes of online meetings and training were not always as expected compared to traditional face-to-face interactions.



# STRENGTHENING COORDINATION AND COOPERATION AMONG AMSS AND OTHER AGENCIES

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Coordination and cooperation with national/regional/international agencies such as FAO, USAID, IMCS, NOAA, AFMA, *etc.*



**USAID**  
FROM THE AMERICAN PEOPLE



**Australian Government**

**Australian Fisheries Management Authority**



# MILESTONE OF THE PROJECT

2020

- Teleseminar on Way Forward for Combating IUU Fishing in Southeast Asia
- Teleworkshop on Development and Improvement of Regional Tools for Combating IUU fishing in the Southeast Asia

2021

- Developed Template/Format for Uploading the KDEs of **RFVR** Database by Country Themselves
- Online Regional Training Course on Implementation of **Port State Measures** for Inspection

2022

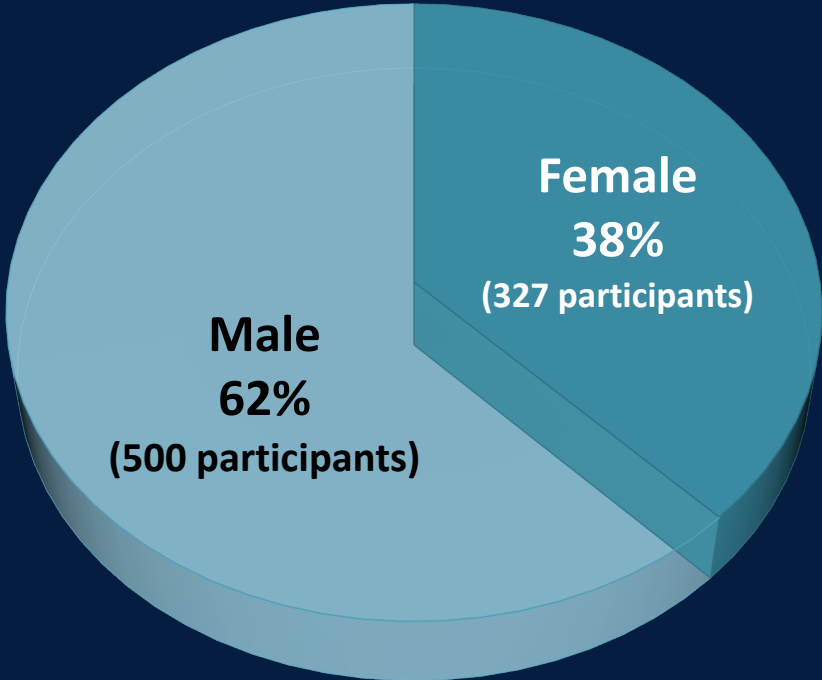
- Training Completed on Transfer & Installation of the **eACDS** Application to Server for Brunei Darussalam, Malaysia and Viet Nam
- Regional Training Course on **Port State Measures** Inspection in Focus of Shipping Container for Fish and Fisheries Product
- The Regional Workshop on **Monitoring Control and Surveillance** for Combating IUU Fishing in Southeast Asia
- The Regional Workshop to Exchange Information on Catch Documentation Scheme and **Traceability of Fish and Fishery Products**

2023

- Training Completed on Transfer & Installation of the **eACDS** Application to Server for Myanmar
- The Regional Training Course on the **United Nations Convention on the Law of the Sea 1982 (UNCLOS 1982)** in Fisheries Perspective

# NUMBER OF PARTICIPANTS 2020 - 2024

**Total = 827 participants**  
from  
**29 Activities**



Remark: Include SEAFDEC

	<b>45</b> participants Brunei Darussalam		<b>19</b> participants Lao PDR		<b>15</b> participants Singapore
	<b>56</b> participants Cambodia		<b>148</b> participants Malaysia		<b>61</b> participants Thailand
	<b>37</b> participants Indonesia		<b>50</b> participants Myanmar		<b>62</b> participants Viet Nam
	<b>7</b> participants Japan		<b>136</b> participants Philippines		<b>72</b> participants Others

# POSSIBLE FOLLOW-UP ACTIONS

1

## Continued Capacity Building

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Through the regular training sessions and workshops on MCS, eCDS, traceability system, and risk assessment for national VMS, and emerging fish trade-related issues.

2

## Sustaining Regional Partnerships

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Continuing collaboration among international/ regional organizations, and relevant stakeholders through existing mechanisms for dialogue, information exchange, joint initiatives, and sharing best practices to support MCs.

3

## Adapting to Emerging Challenges

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Developing contingency plans and protocols for responding to future emergencies and developing technological innovations to enhance Fisheries MCS capabilities.

# POSSIBLE FOLLOW-UP ACTIONS (cont.)

4

## Dissemination of Knowledge and Best Practices

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Publishing policy/technical reports, guidelines, manuals. Organizing knowledge-sharing events and workshops, and leveraging digital platforms to reach a broader audience.

5

## Resource Mobilization

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Exploring diverse funding sources, engaging with donor agencies and international partners, and advocating for increased investment in fisheries management and surveillance efforts at the regional and national levels.

6

## Monitoring and Evaluation

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Establishing appropriate M&E frameworks for regular assessments of project outcomes and impacts, and incorporating feedback from stakeholders to inform future project activities and strategic planning.





**THANK YOU**

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