

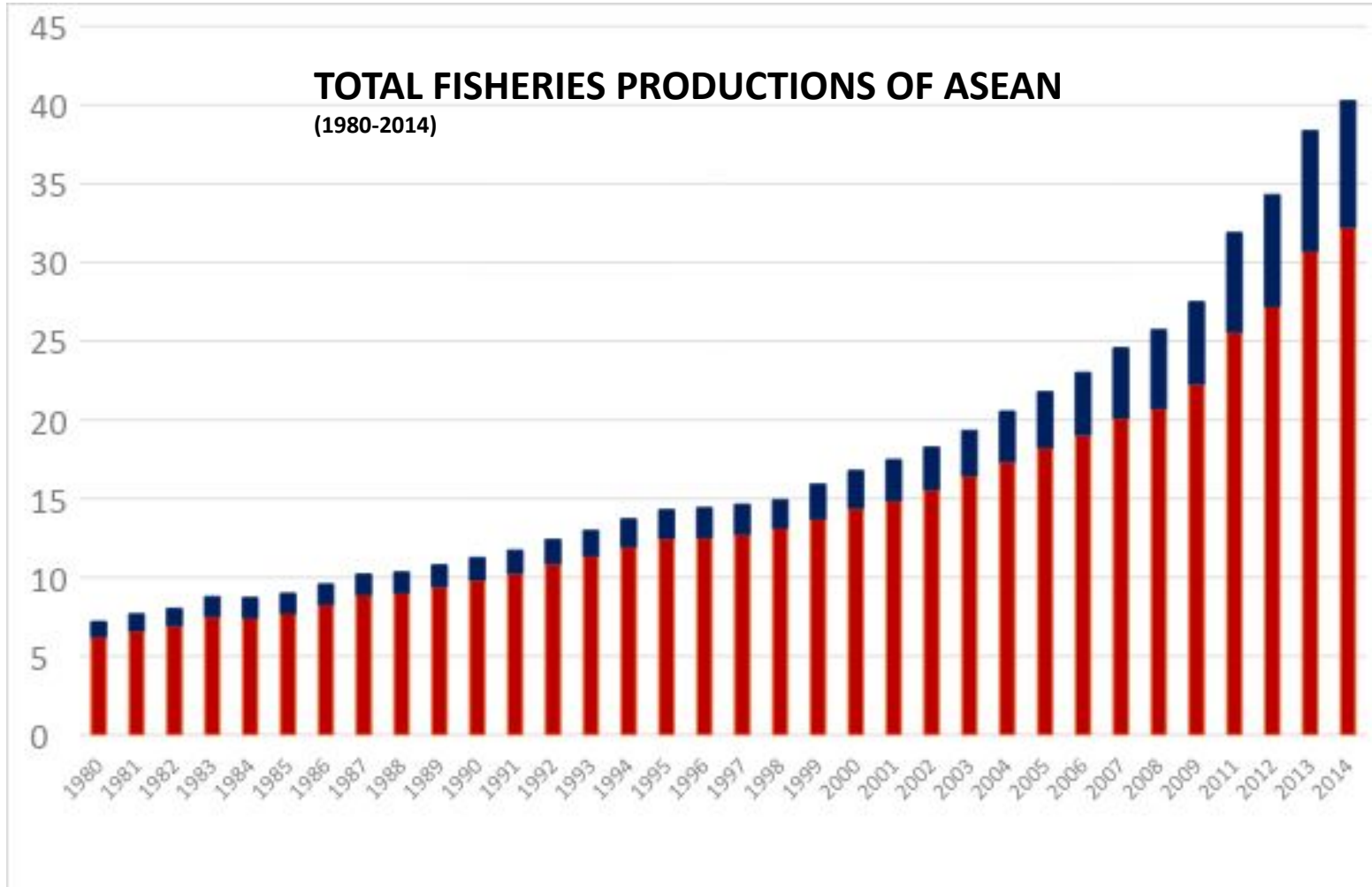


Highlights SEAFDEC Initiatives Toward Sustainable Development Goals 14 in the ASEAN Region

By **SOMBOON SIRIRAKSOPHON**

Committed at the UN Ocean Conference in 2017

HOW IMPORTANT OF FISHERIES IN SEA?



Contribution to the economy:

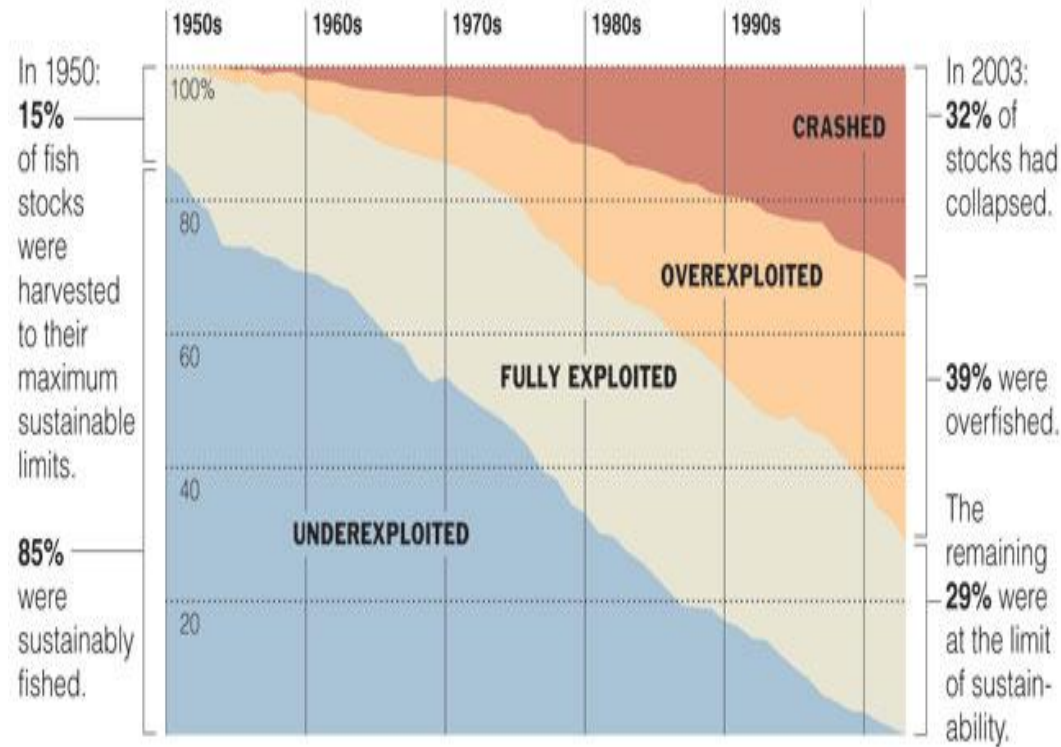
- ensuring food availability,
- providing households food security, and nutritional security;
- improving the living standards of poor rural communities.
- About 10M fishermen are involved
- Generating employment in fisheries industries and aquaculture farms;



ISSUES AND CHALLENGES FACED

At the Breaking Point

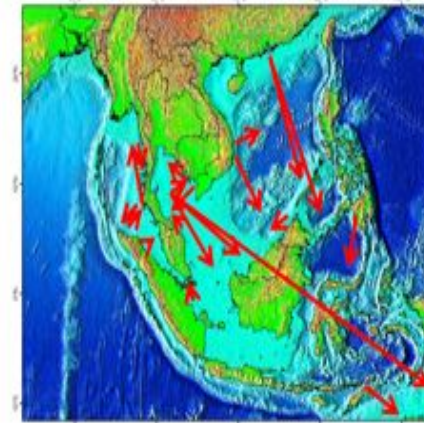
The condition of the world's fisheries has declined drastically because of overfishing.



Source: Sea Around Us Project (searoundus.org)

BILL MARSH/THE NEW YORK TIMES

IUU FISHING at ASEAN REGION



© Jürgen Freund / WWF

- ① Illegal Fishing Activities within Country
- ② Landing of Catch Across Borders, Double flagging
- ③ Poaching in Other Country's EEZ
- ④ Illegal Fishing and Trading Practices of Live Reef Food Fish, Ornamentals, and Endangered Aquatic Species
- ⑤ IUU Fishing in High Seas & RFMO Areas landed in AMS

TARGET COVERED

14.
2

sustainably manage
& protect ecosystems

14.
3

enhanced scientific
cooperation

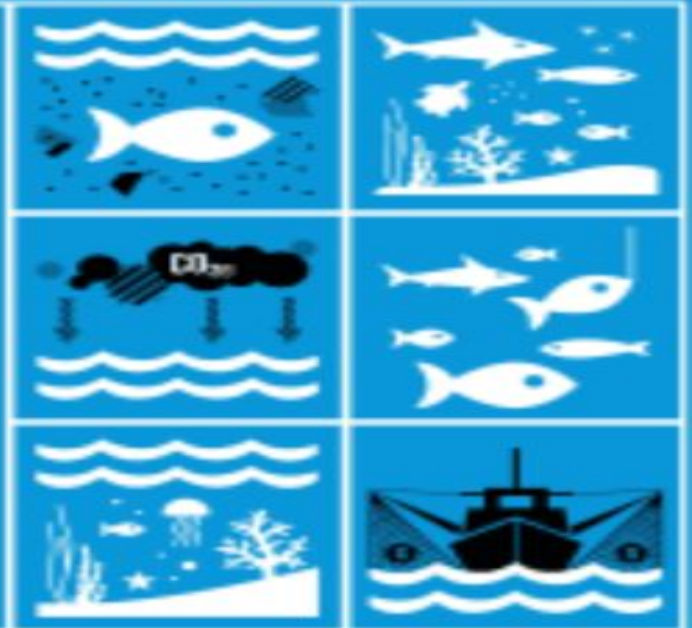
14.
4

Combating IUU
Fishing

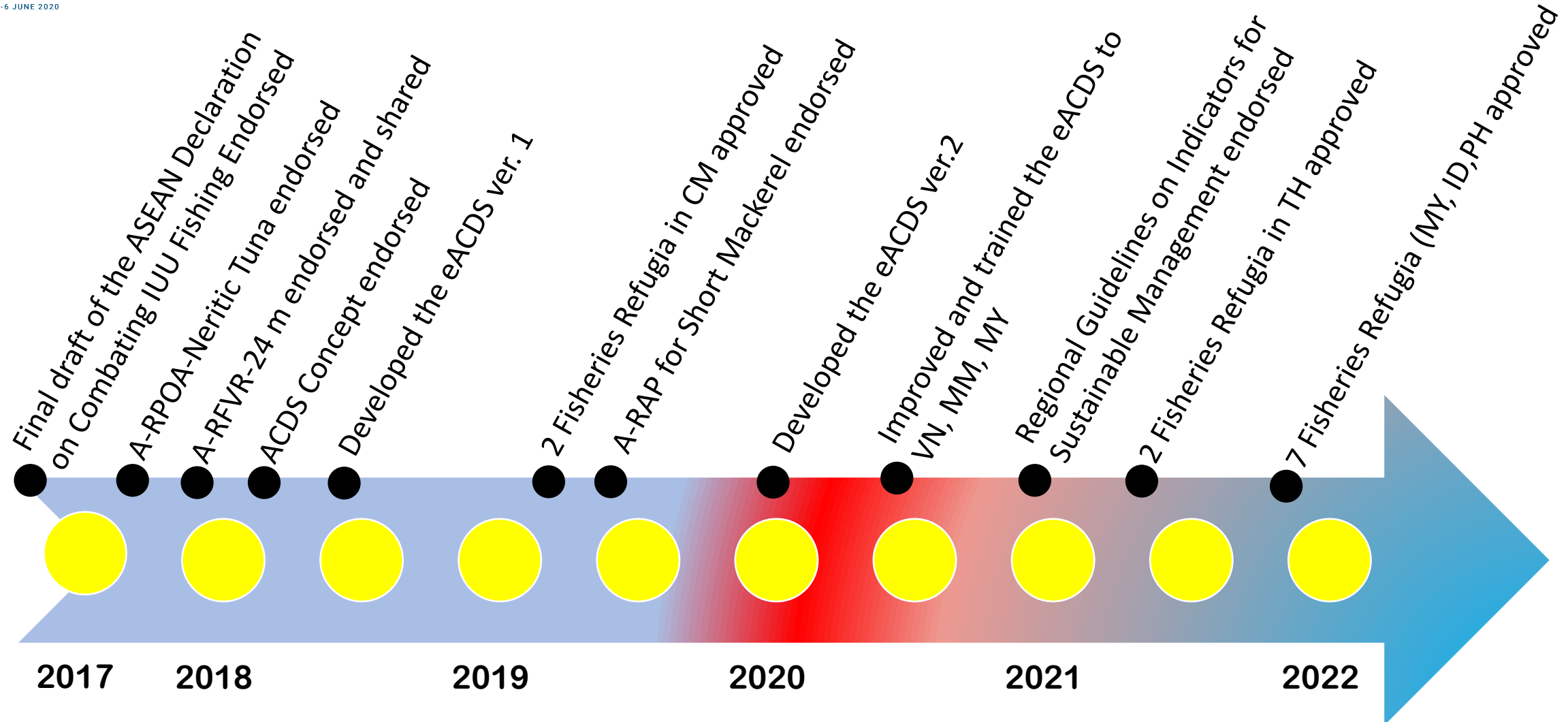
14
a,
b

Capacity Building &
Small-scale Fishers

14 LIFE BELOW
WATER



DELIVERABLES TIMELINES



Continued capacity building and Scientific Research Surveys in Southeast Asia

RESOURCES & PARTNERS

1) SEAFDEC INITIATIVES (2017-2022)

- Combating IUU Fishing = 450,000 \$
- Resources Enhancement = 400,000 \$
- Small-scale Fisheries. = 300,500 \$
- Scientific Research Surveys = 1,642,000 \$



2) ESTABLISHMENT & OPERATION OF FISHERIES REFUGIA FUNDED BY GEF/UNEP

- GEF = 3,000,000 \$
- SEAFDEC (Inkind+Cash). = 11,878,000 \$
- 6 Countries (Inkind+Cash= 11,066,000 \$



ACHIEVEMENTS AT A GLANCE

Joint ASEAN Declaration on Regional Cooperation for Combating IUU Fishing and Enhancing the Competitiveness of ASEAN fish products adopted and being implemented

Regional Fishing Vessels Records (RFVR-24m) Established & Electronic ASEAN Catch Documentation System developed

Conducted 23 Cruises of Collaborative Scientific Research Surveys on Marine Resources and Marine Environment in SEA under the Cost-shared policy

1.16 Million ha Fisheries Refugia Established in the SCS and GOT with fishery law/legislation reformed for long-term sustainable management

FR Project provided capacity building at all levels, including government officers, academies, private sectors, communities, NGO/SCOs (About 7,000 stakeholders engaged in 300 activities)



UNITED NATIONS
OCEAN
CONFERENCE

RESTORING FISHERIES THROUGH REFUGIA SYSTEMS



SUSTAINABLE DEVELOPMENT **GOALS**
17 GOALS TO TRANSFORM OUR WORLD

Improved integration of fisheries management and habitat conservation



Present

30% INCREASED SEAGRASS

16% INCREASED MANGROVES

20% INCREASED VESSELS APPLYING IMPROVED GEARS

50% REDUCTION IN FISHING PRESSURE WITHIN REFUGIA

16% INCREASED CORAL REEFS

FISHERIES REFUGIA AND FISH LIFE CYCLES

269,500 ha

OF FISH REFUGIA HABITAT CONSERVED AND EFFECTIVELY MANAGED

INSHORE NURSERY REFUGIA

SPAWNING REFUGIA

Westminster Technological Park

More Cap

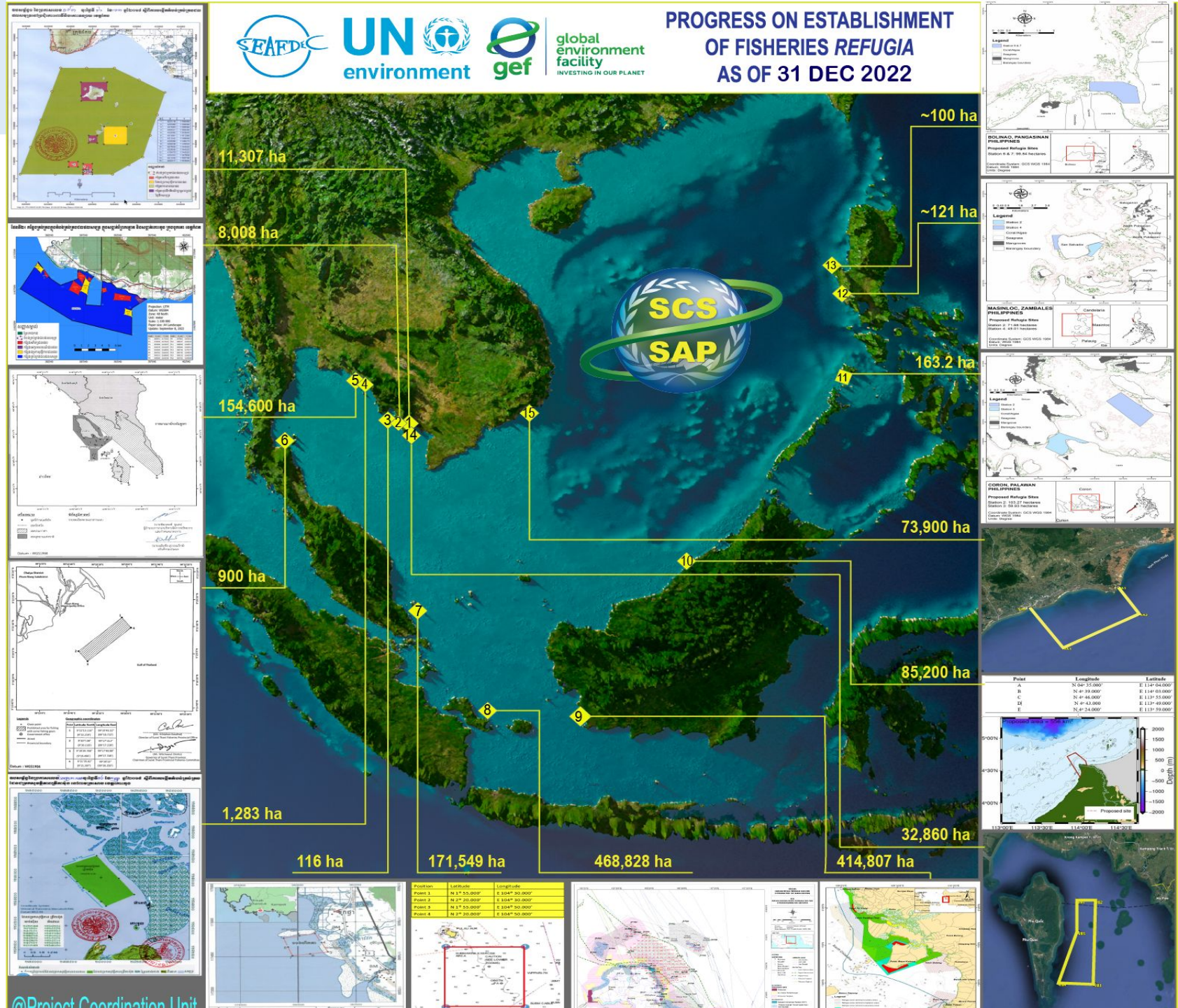
HEALTHY ECOSYSTEM

ACHIEVEMENTS AT A GLANCE

1.16 Million ha of 15 Fisheries Refugia sites established in 6 countries:

- 3 in Cambodia
- 2 in Indonesia
- 2 in Malaysia
- 3 in the Philippines
- 2 in Thailand
- 2 in Viet Nam

<https://fisheries-refugia.org>



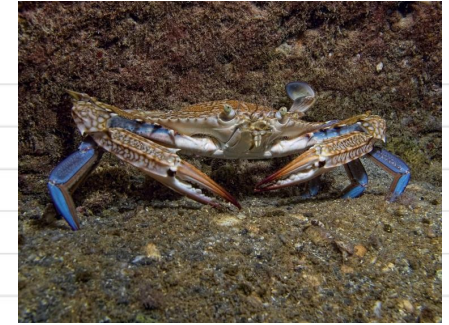
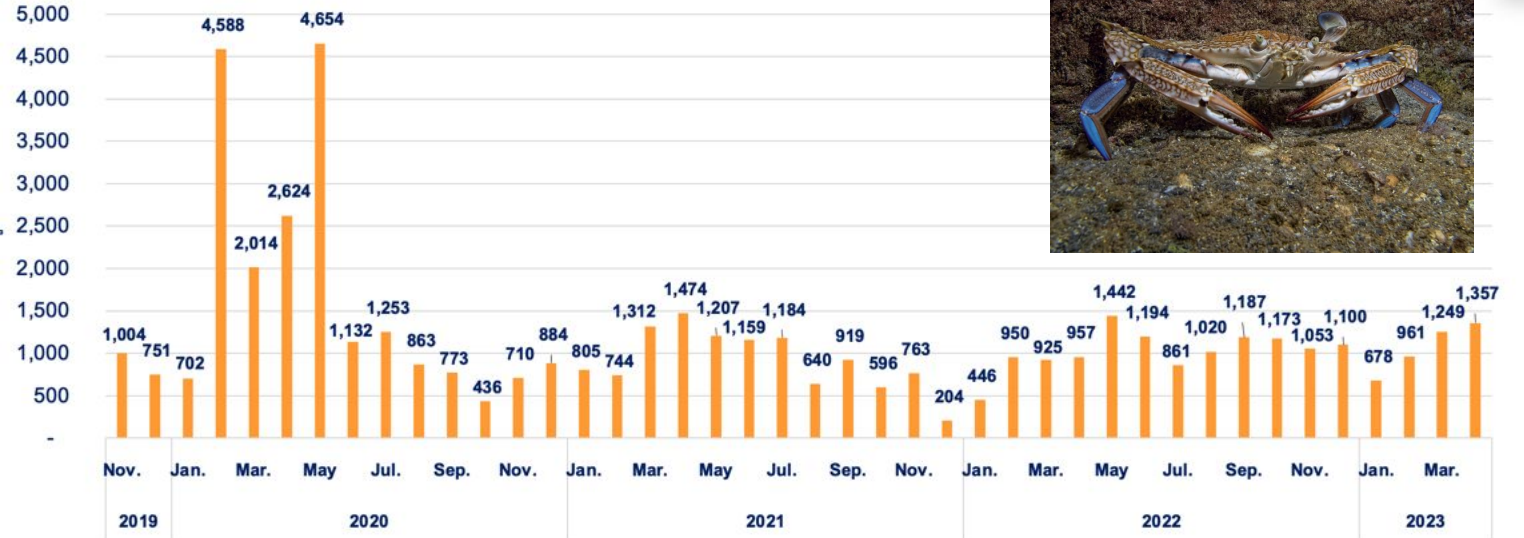


Berried Female Blue Swimming Crab (Photo: MCOT.net/Thailand)



A Happy face of fisherman during releasing berried female crabs to the sea

Total Berried Female Blue Swimming Crab (Ind.) released to the sea



About 50,000 Crabs (equivalent to 50,000 million eggs)were released back to sea by voluntary fishermen.

RESTORATION OF BLUE SWIMMING CRAB IN THAILAND

ACHIEVEMENTS AT A GLANCE

- Electronic ASEAN Catch Documentation System (eACDS) developed

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.



- Regional Fishing Vessel Record for 24 m and above developed

ASEAN CATCH DOCUMENTATION SCHEME (ACDS)

As a tool to Prevent the Entry of Fish and Fishery Products from IUU Fishing Activities into the Supply Chains

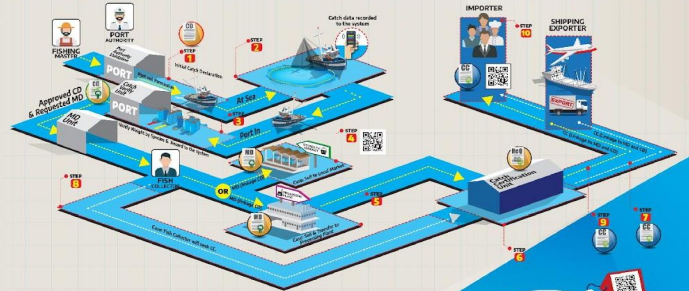


Catch documentation schemes (CDS) are market-related measures developed specifically to combat IUU fishing by documenting verifiable information on fish catch from point of capture to the final destination. In the Southeast Asian region, the "ASEAN Catch Documentation Scheme" or ACDS was developed and launched by SEAFDEC in 2017 as a regional scheme to improve traceability of fish and fishery products and enhance the international trade as well as intra-regional trade among the Southeast Asian countries. To support this implementation, electronic ACDS (eACDS) was developed which comprises web-based and mobile applications and implement as pilot-tested in Brunei Darussalam and has been expanding to other ASEAN Member States (AMSs).



The software generates certificates at each important supply chain such as

- 1) Catch Declaration (CD) from point of catch to landing;
- 2) Movement Document (MD) from landing to processors or local market;
- 3) Catch Certification (CC) from processing to export/import and consumer via QR-Code.



RFVR

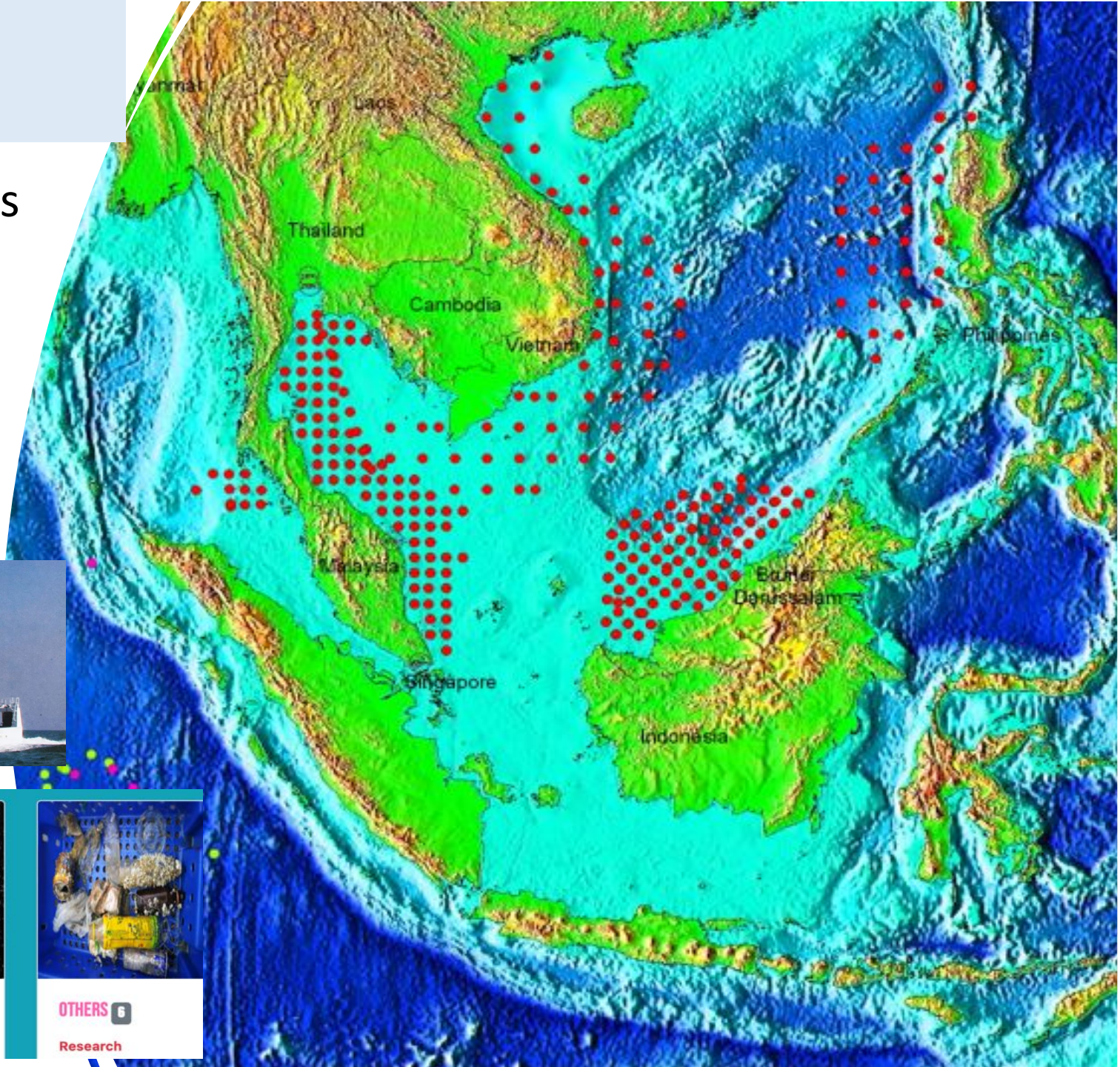
REGIONAL FISHING VESSELS RECORD

SEAFDEC in collaboration with ASEAN Member States (AMSs) has developed the Regional Fishing Vessels Record (RFVR) as a practical tool for related authorities of the AMSs to check and take corrective actions against inappropriate behavior of fishing vessels, thereby supporting the elimination of IUU fishing in the region.



ACHIEVEMENTS AT A GLANCE

23 Collaborative Research Programs on Fisheries Resources and Marine Environmental Surveys



FISHERIES
RESOURCES 2



PHYSICAL
OCEANOGRAPHY 4



CHEMICAL
OCEANOGRAPHY 8



BIOLOGICAL
OCEANOGRAPHY 8



OTHERS 6

Research



66 CAPACITY BUILDING PROGRAMS

- Fishing gears for University Training course during summer vacation
- Fish Handling Techniques Onboard Fishing Vessels
- EAFM training for trainers
- Fisheries refugia concept
- Stock Assessments
- Fish Larvae Identification
- Gender (Equality and Equity) Integration in Small-Scale Fisheries
- Etc.

CHALLENGES

VOLUNTARY COMMITMENT

?

MANDATORY COMMITMENT