E-CDTS benefits for EAFM planning
Presented by: Len R. Garces, USAID Oceans and Fisheries Partnership

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Our Four Strategies

To enhance marine biodiversity conservation and increase sustainability of Southeast Asian seafood trade through:

Catch Documentation and Traceability

Ecosystem Approach to Fisheries Management

Human Welfare: Labor Rights and Gender Equality

Public-Private Partnerships

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OUR APPROACH

Governments, Industry, NGOs & Regional Organizations Co-Design CDT Systems

Contribute to robust design

Build capacity

Align incentives

Legitimize through buy-in

CATCH DOCUMENTATION AND TRACEABILITY SYSTEM ADOPTED

Fisheries information and management improved

Illegal product deterred

Labor abuse deterred or detected

UNSUSTAINABLE FISHING REDUCED

ILLEGAL, UNREPORTED, AND UNREGULATED FISHING REDUCED

MORE SUSTAINABLE FISHERIES
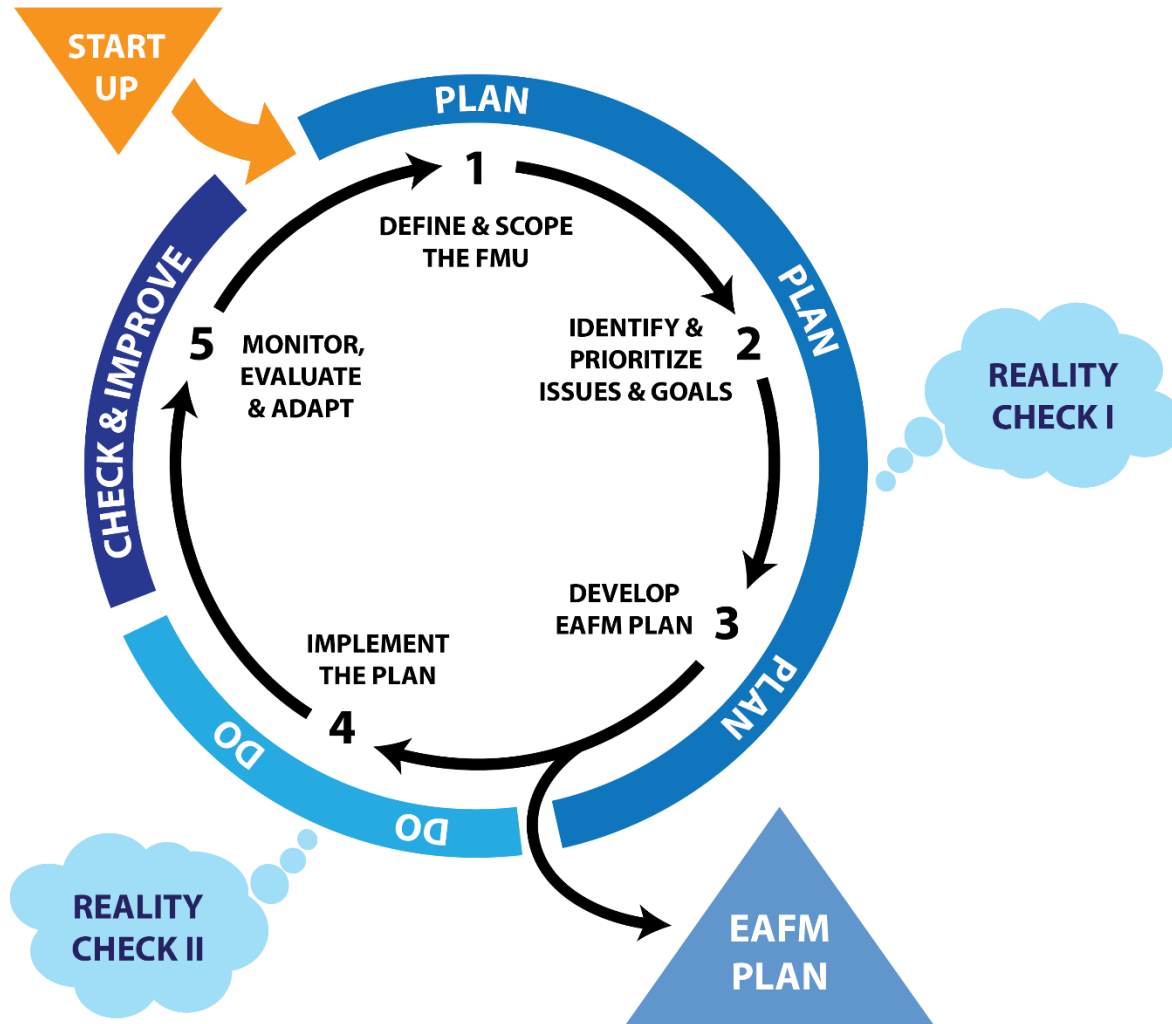
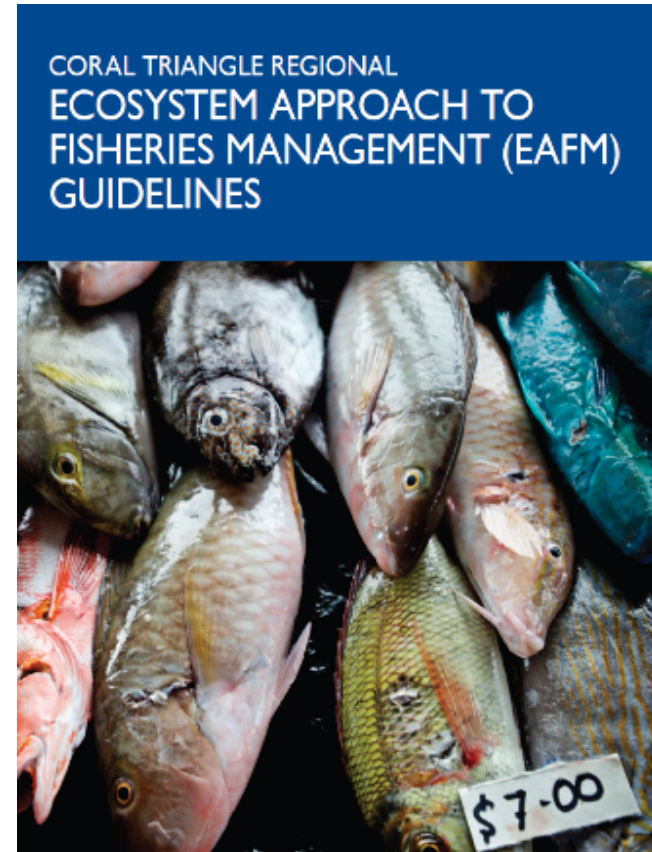BIODIVERSITY CONSERVED

WHERE USAID OCEANS WORKS

General Santos City, Philippines

Bitung, Indonesia (WPP 716)

Regional engagement

with **strategic learning sites**

The 3 components of EAFM:

Ecological Well-being

Good Governance

Human Well-being

(source: "Essential EAFM" materials)

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The 5 steps of EAFM:

(source: "Essential EAFM" materials)

EAFM Strategic Approach

Strategies

Regional
- Develop SFMP for Sulu Sulawesi Seas and Strengthen regional capacity on fisheries management planning

National
- Develop and build capacity to use CDT to inform fisheries management

Learning Site
- Develop SFMP that incorporates CDTS/FIS and human welfare considerations

SULU-SULAWESI SEASCAPE

Lubang-Looc
Verde Island Passage

- seascape area
- large marine protected area
- marine conservation corridor

Cagayan Ridge
PHILIPPINES

Balabac Strait
Tubbataha Reefs Natural Park
Turtle Islands Wildlife Sanctuary

Sea Turtle Corridor

MALAYSIA

INDONESIA

SUPPLY CHAIN

Retailer
Customers

AT-SEA   PORT   BUYER/ BROKER   SHIPPING/ DISTRIBUTION   PROCESSING   EXPORT/ SHIPPING   IMPORT

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Example: Crafting of SFMP or EAFM Plan for Bitung Learning Site in North Sulawesi (Indonesia)

National SFMP
- National Tuna Management Plan
- Others…

FMA (WPP) 716 Fisheries Management
- Rapid Appraisals, Fisheries Profiling, KII/FGD
- SCW June 2017
- Development of measure & indicators (Sept 2017)

North Sulawesi SFMP
- Rapid Appraisals, Fisheries Profiling, KII/FGD
- Inputs from MMAF/DKP
- SCW June 2017
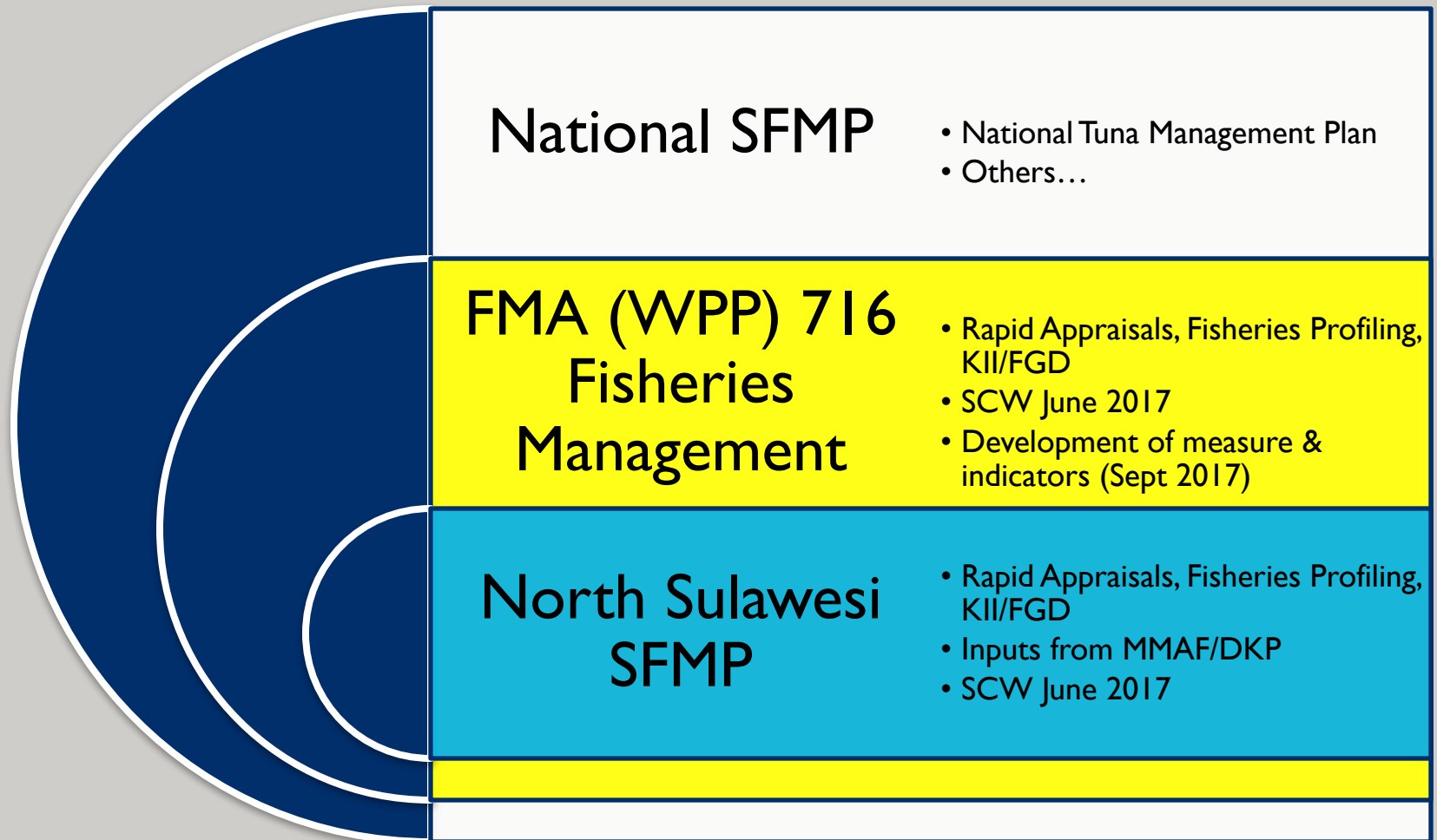
EAFM & eCDTS Nexus

From Bait to Plate: Catch Documentation and Traceability
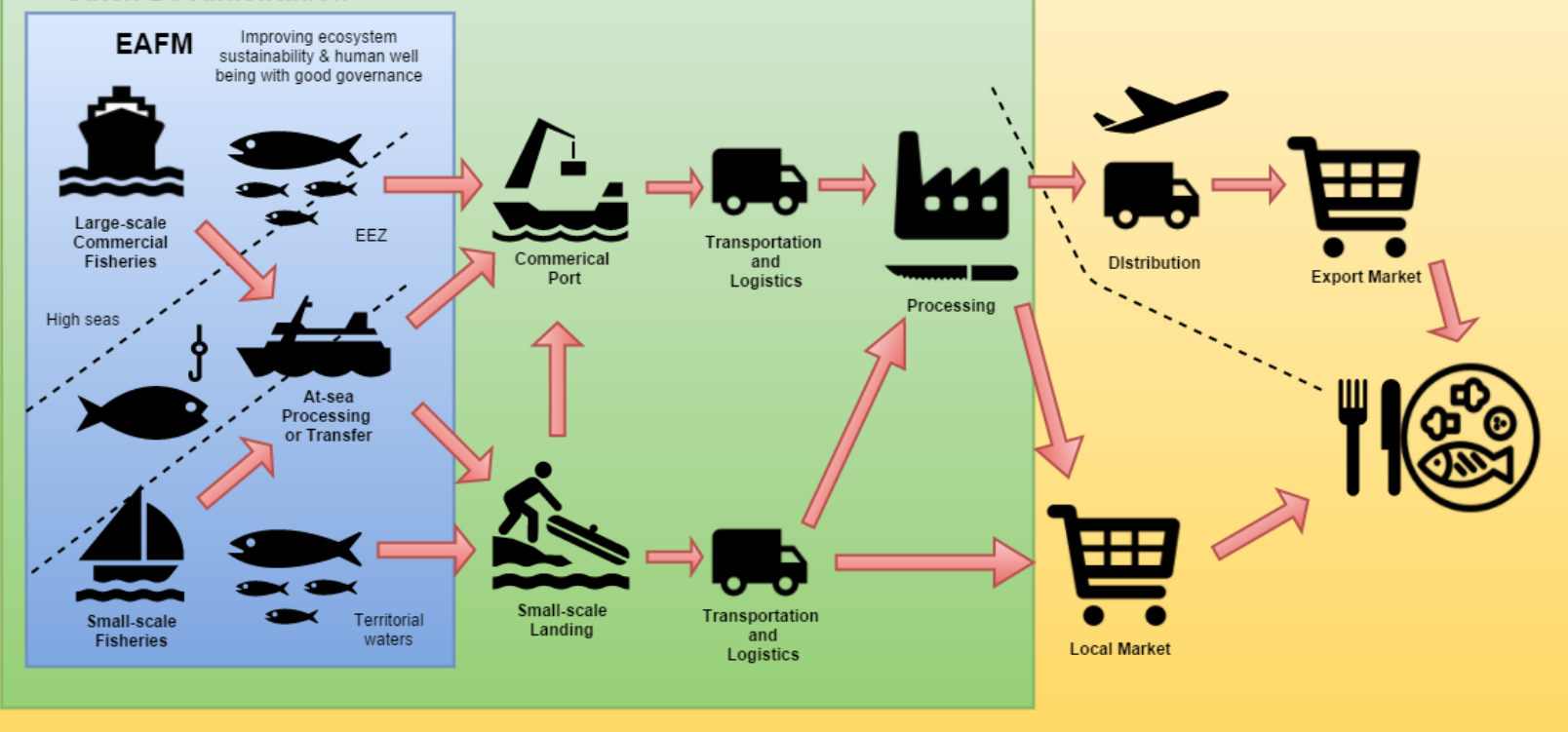
CDT contributes to data to variety systems for government and business

Import

Dock

Port

At Sea Capture — Landing — On Land Transport — Processing — Exporting — 2nd Processor — Import
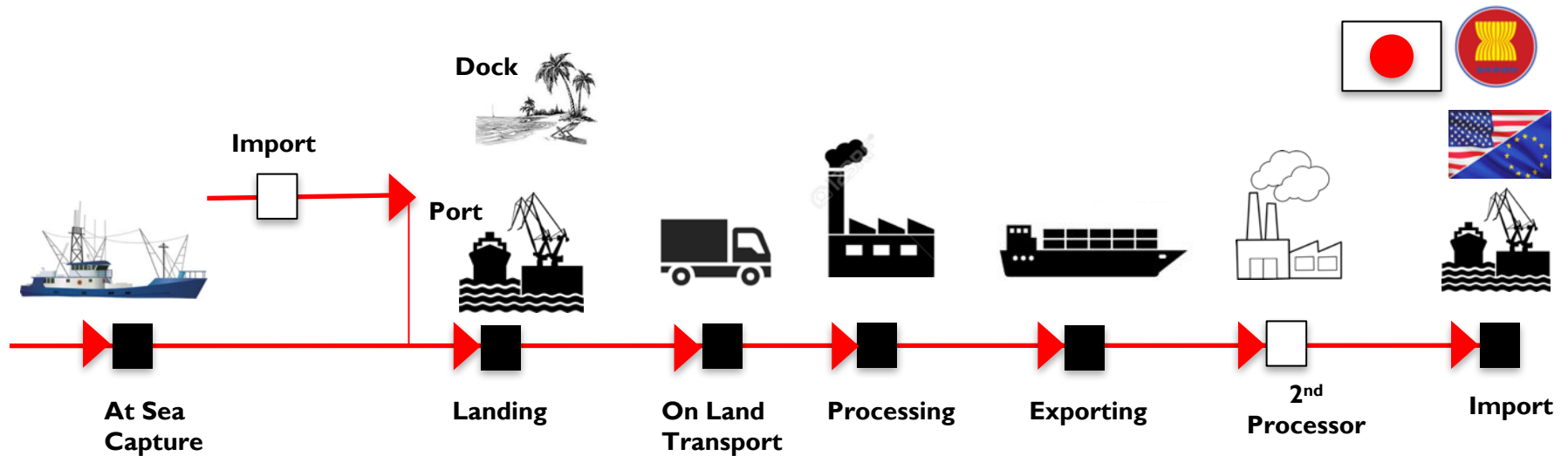
Sustainable Fisheries Management Plan	Combating IUU	Food Security	Food Safety	GOVERNMENT
Harvest Level and Strategy **Country Stock Assessment**		**Logistic** **Cold Storage**	**HACCPP**	
				BUSINESS
Catch reporting Fleet Management		Company Supply Chain / Enterprise Resources Planning	B2B Certification (MSC, Fair Trade, SFW)	B2B and B2C Traceability

Advantages of eCDT systems

USAID OCEANS AND FISHERIES PARTNERSHIP
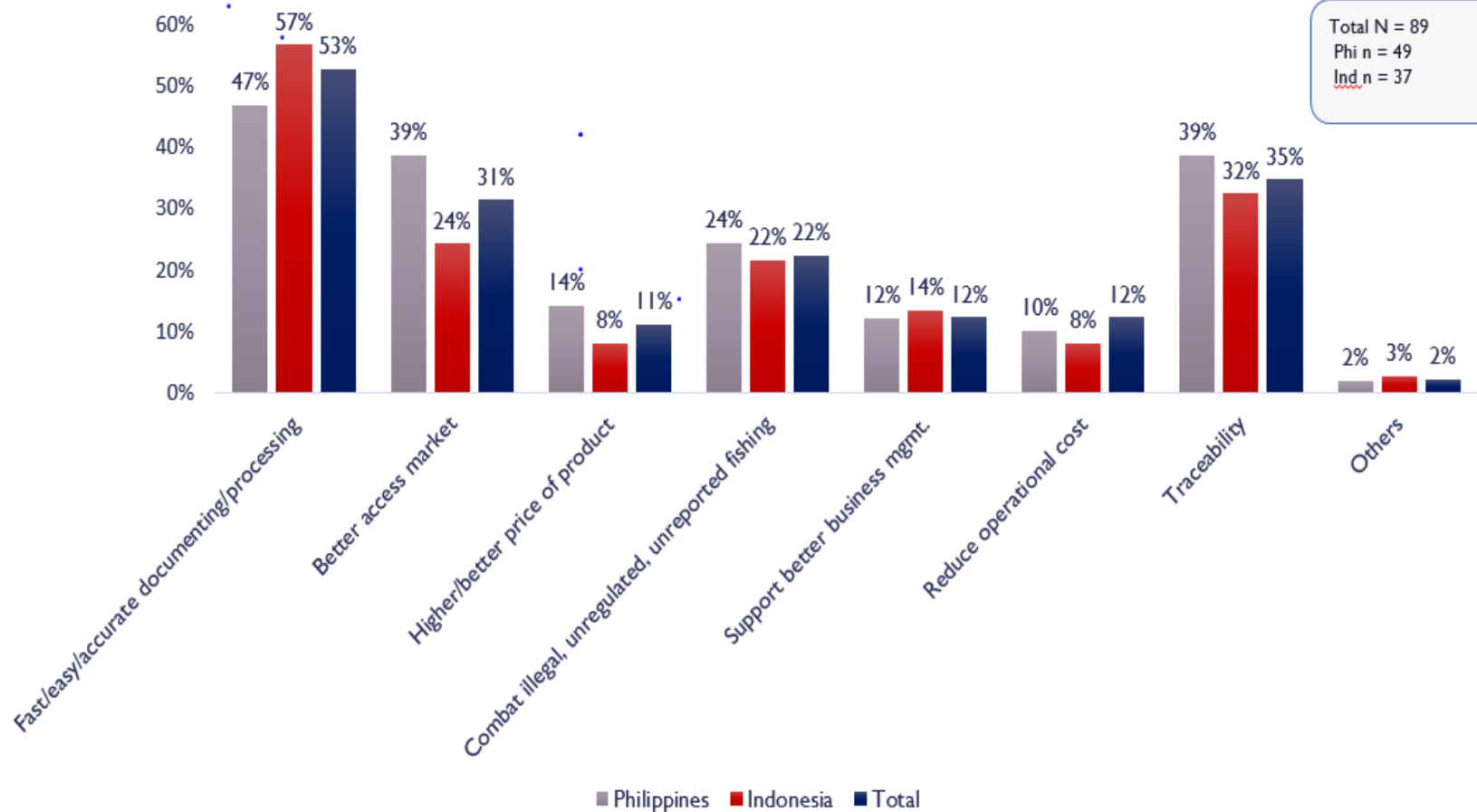
How eCDT System Data be Used to Support Fisheries Management

Total N = 95
Phi n = 51
Ind n = 41

Legend: Philippines, Indonesia, Total

Category	Philippines	Indonesia	Total
Establish fisheries regulation	39%	32%	36%
Combat IUU	33%	27%	32%
Monitor status and model fish stocks	45%	54%	49%
Effective/better decision making	43%	24%	36%
Monitoring, control, and surveillance	18%	20%	19%
Monitor HWGE	29%	20%	24%
Better access data	27%	41%	33%
Others	4%	0%	2%
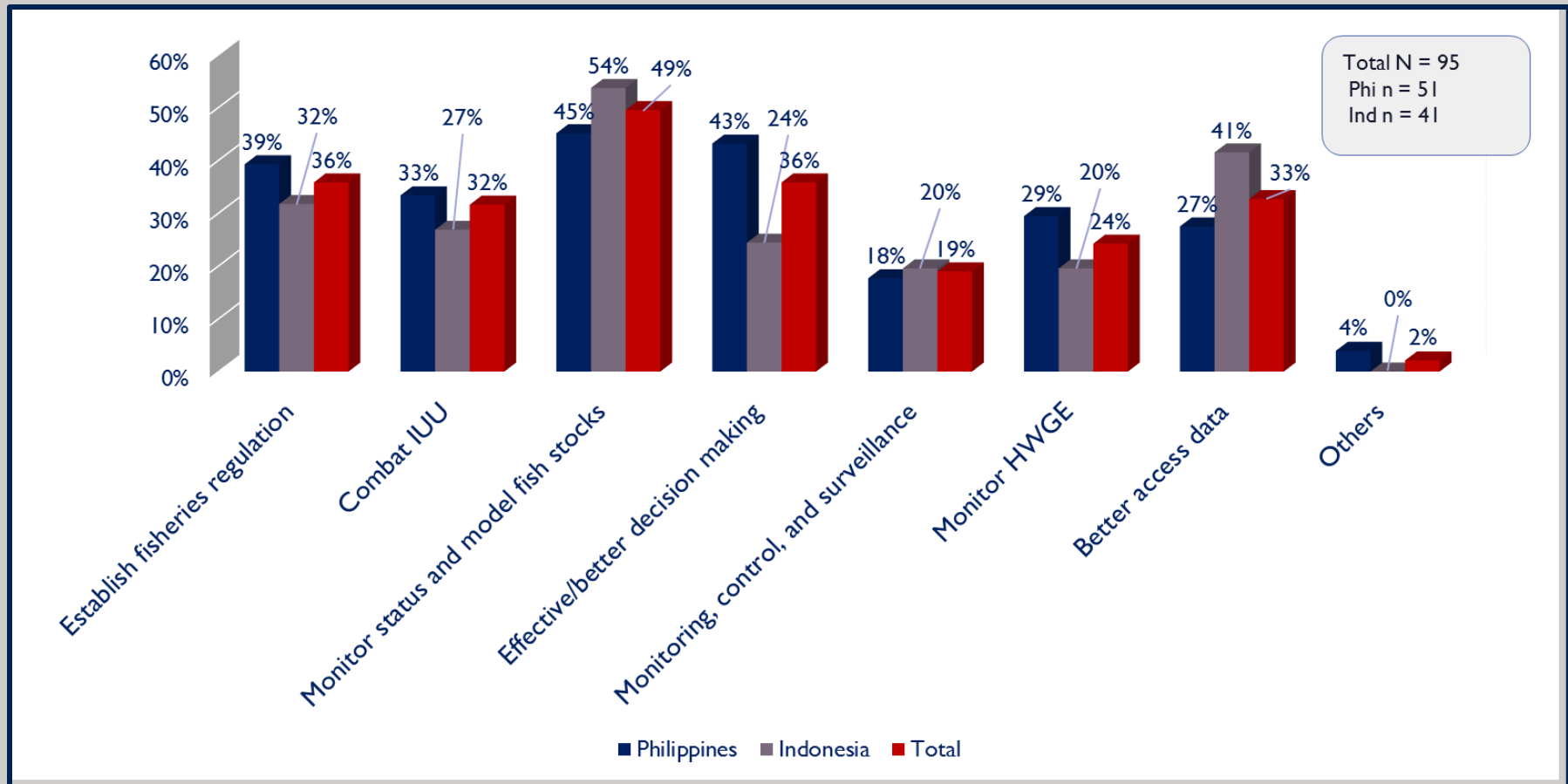
Other Fisheries Management Measures Needed Beyond eCDT Systems

Total N = 43
Phi n = 27
Ind n = 14

	Establish MPA	Educate people on resources mgmt.	Law enforcement	SSF boat registration	Provide incentives for compliance	Generate alternative livelihood
Philippines	37%	37%	41%	4%	7%	26%
Indonesia	29%	29%	50%	14%	7%	14%
Total	33%	35%	42%	9%	7%	23%

■ Philippines ■ Indonesia ■ Total
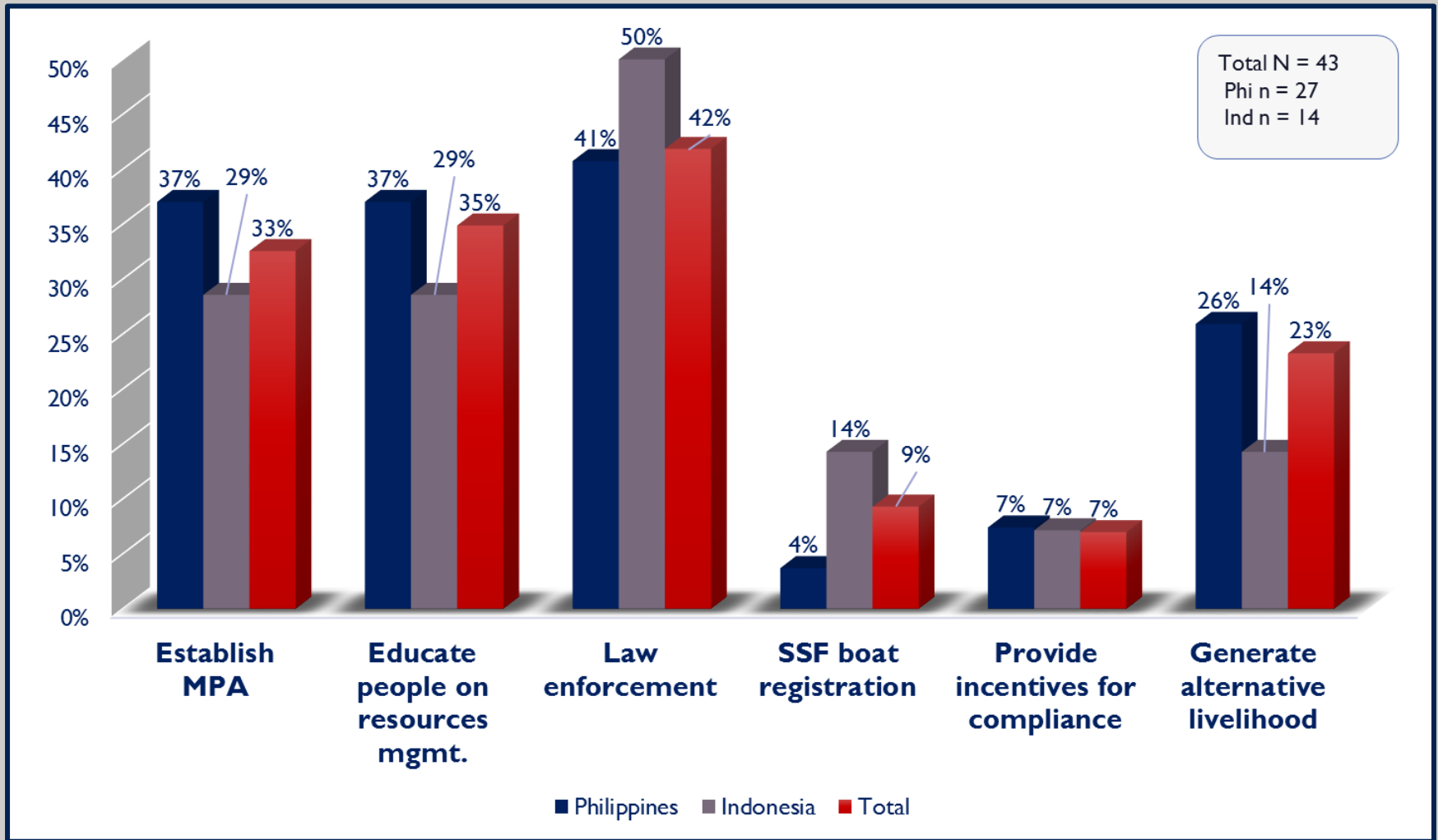
Ecosystem Approach to Fisheries Management

RECOMMENDATIONS

- Develop partnerships between national and local government and academic institutions at each learning site to demonstrate how to apply eCDT system data for fisheries management.

- Demonstrate proof of concept of DEX for integrating fisheries-related databases.

AHEAD IN 2018 - 2019

– EAFM support to CDTS implementation & testing

– Launch of grants with in Philippines and Indonesia to demonstrate the use of eCDT to strengthen fisheries management

– EAFM support to development of CDTS regional guidelines & gender policies

– Finalization and adoption of Sustainable Fisheries Management Plans (Sulu Sulawesi Sea EAFM Plan & learning site-based EAFM Plan) that incorporate CDT interventions

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