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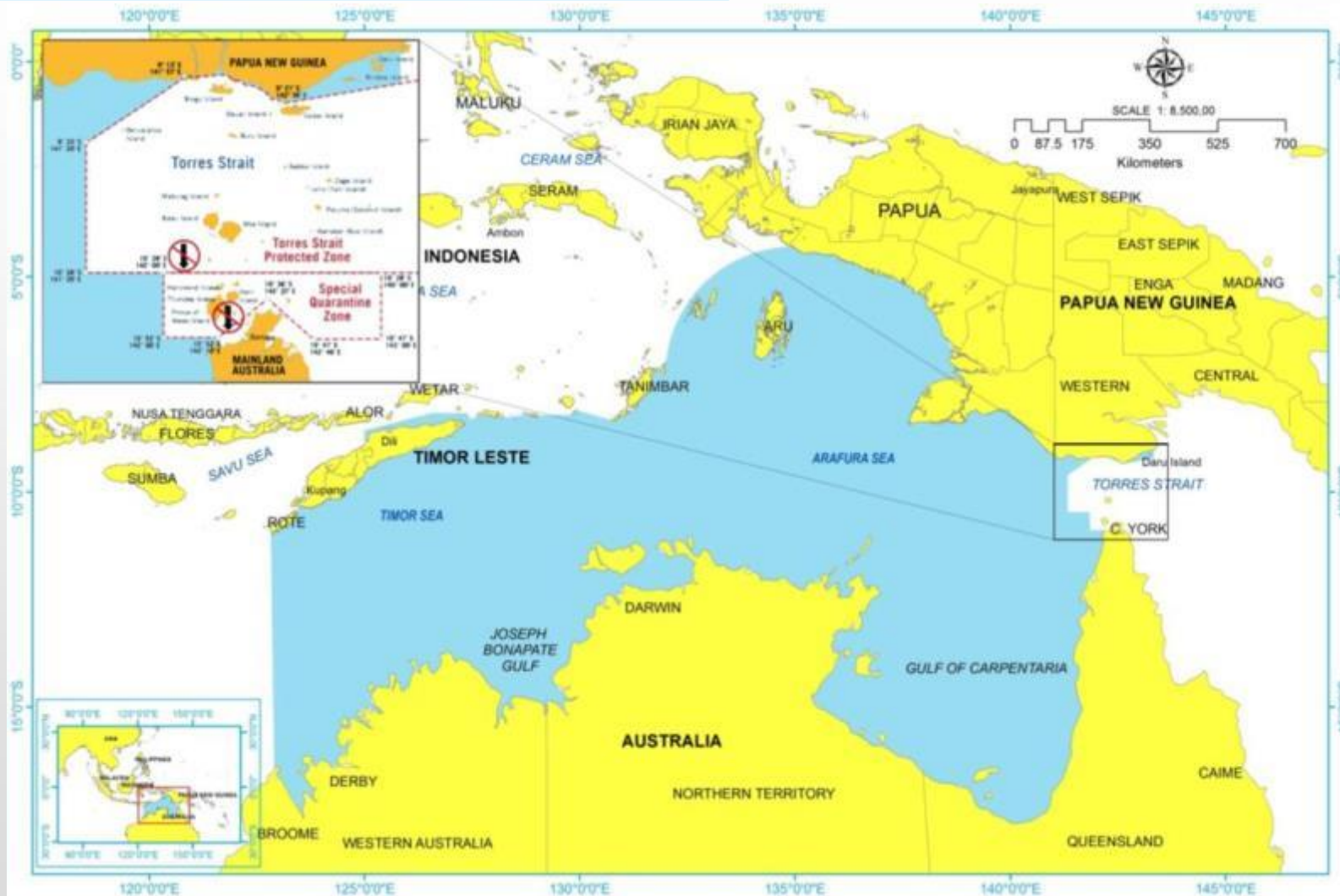
# Arafura and Timor Seas Ecosystem Action Program (ATSEA)

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Presented at the East Asian Seas Congress  
Da Nang City  
18 November, 2015

# The Region



# Arafura Sea Fisheries

## Main gears (June 2013)

<b>Gear</b>	<b>Total Licenses</b>	<b>Catch</b>		
Fish Trawl	477	Demersal Fish	Shrimp	Pelagic Fish
Shrimp Trawl	109	Shrimp	Demersal Fish	Pelagic Fish
Bottom Longline	225	Snappers		
Others	345			
<b>Total</b>	<b>1,156</b>			

## Main gears ( 13 November 2015 ~ After the Moratorium on Trawl)

<b>Gear</b>	<b>Total Licenses</b>	<b>Catch</b>		
Fish Trawl	0			
Shrimp Trawl	0			
Bottom Longline	115	Snappers		
Others (Gillnet, Squid Jigging, handline, etc)	408	Squids, Pelagic Fish, Tuna		
<b>Total</b>	<b>523</b>			

**Data by: DGCF**

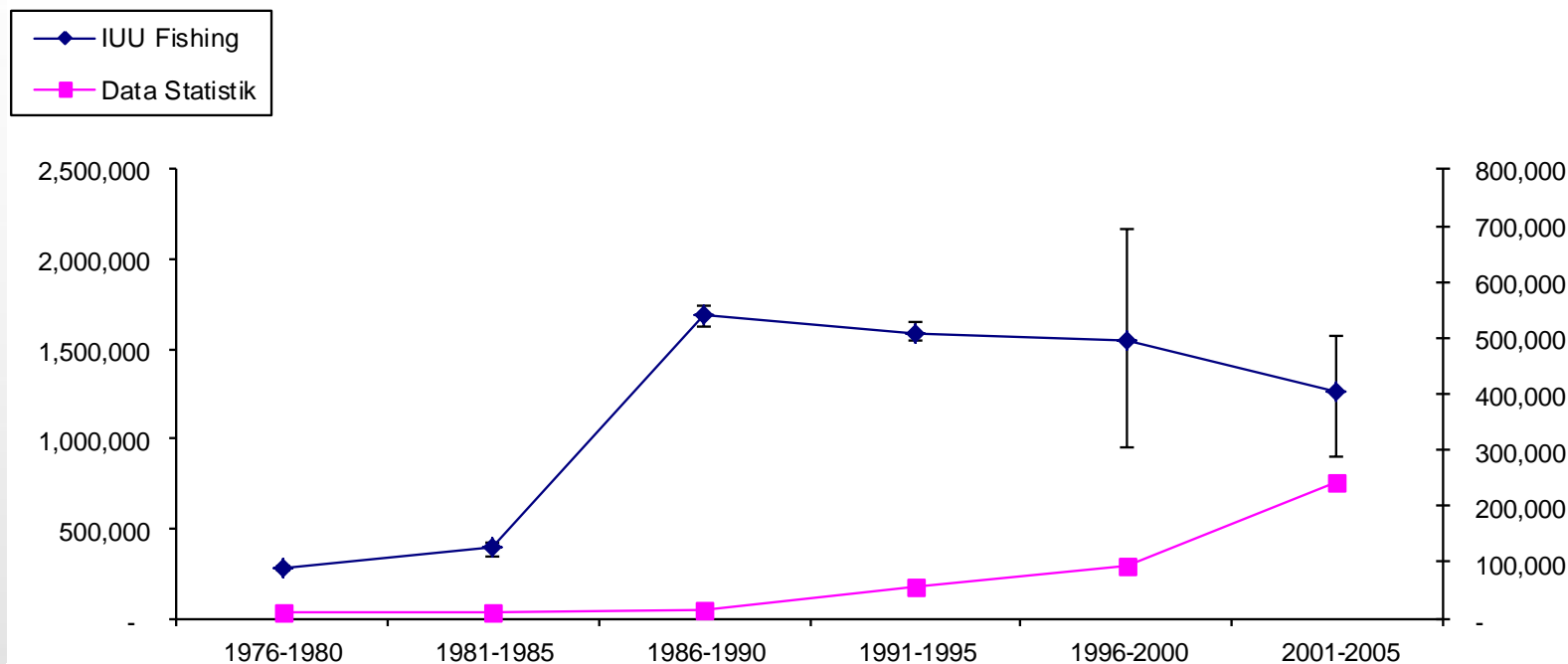


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# Comparison between IUU Fishing\* and Statistical Data



\*) Calculated from fish net, shrimp net and bottom long line data combined (Wagey *et al.*, 2009)

Periods	1976-1980	1981-1985	1986-1990	1991-1995	1996-2000	2001-2005
Total IUU (ton)	283,611	391,903	1,688,416	1,588,035	1,553,827	<b>1,258,851</b>
Statistics (ton)	9,945	9318	14,468	57,907	94,919	<b>243,713</b>

# ATSEA Phase -1

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**DURATION:** 4 years (July 2010 - June 2014)

**COUNTRIES:** Indonesia, Timor-Leste, Australia, followed by PNG (2011)

**FUNDING:** GEF (grant) = USD 2,500 K  
Co-finance = USD 7,690 K

**TERMINAL EVALUATION:** July 2014

**OVERALL RATING: SATISFACTORY**



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# Project Components

## Component 1: Transboundary Diagnostic Analysis (TDA)

Identify transboundary environmentally issues in ATS and define their root causes.

## Component 2: SAP/NAPs development

Develop a regional Strategic Action Programme and National Action Programmes to address issues identify in TDA.

## Component 3: Early implementation of SAP and NAPs

Implementing priority Action Plans (Regional and National). The result will become a baseline to enter the second phase of ATSEA, which will implement All SAP.



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# Project Components

## Component 4: Regional Cooperation Mechanism

- *Regional cooperation mechanism:* Develop a regional cooperation concept by strengthening ATSEF as an effective forum to bridge communication among ATS littoral nations. This mechanism must be approved and supported by all government.
- *Sustainable self-financing:* Develop a sustainable self-financing to ensure implementation of SAP.

## Component 5: Project Management and Coordination

Project is effectively coordinated and managed, according to budget and work plan, including M&E arrangements and procedures.



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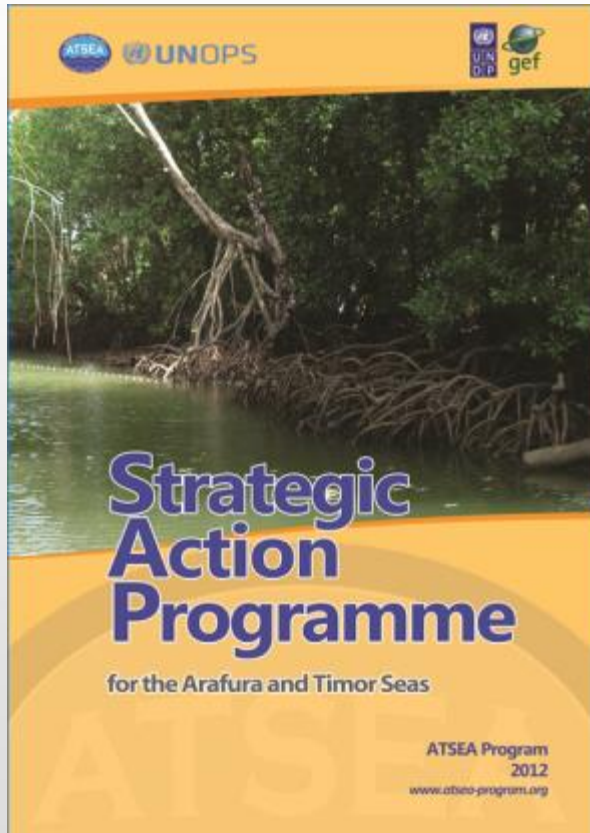
# Priority transboundary issues in the ATS

(ATSEA TDA Report, 2012)

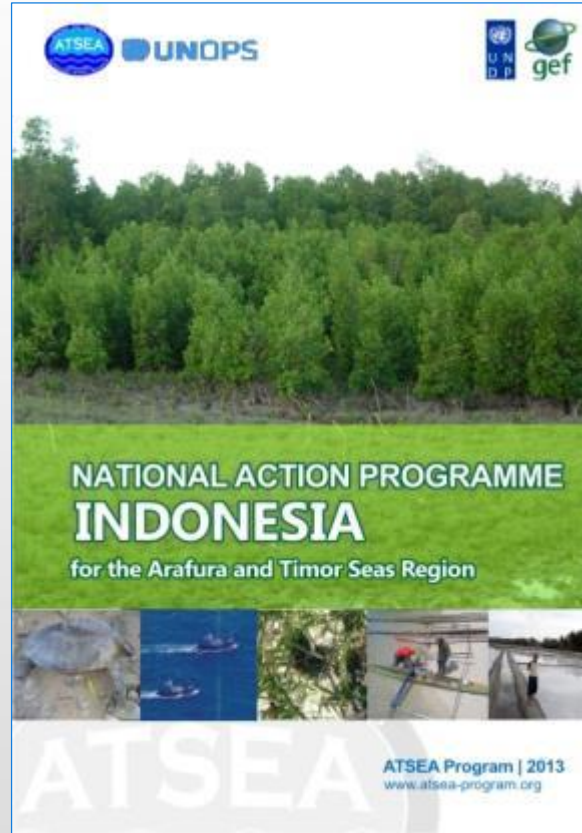
Priority Environmental Concerns	Key Causal Factors
1. Unsustainable fisheries & decline & loss of living coastal & marine resources	illegal, unreported and regulated fishing; overexploitation; unsustainable practices; fisheries by-catch
2. Modification, degradation & loss of coastal & marine habitats	coastal development, bottom trawling, fuel wood (mangroves), dynamite fishing, pollution (sediments)
3. Marine & land-based pollution (e.g. marine debris, sediments, oil spills)	Coastal development (nutrients, sediments), mining (sediments, toxicants), land degradation (sediments), oil spills, marine debris
4. Decline & loss of biodiversity & key marine species	illegal harvesting, traditional indigenous harvest, fisheries by-catch (ghost nets, trawling, tuna long-lines), habitat loss
5. Impacts of climate change including ocean warming and ocean acidification	Fossil fuel-based global energy consumption, land use, Land use change and forestry



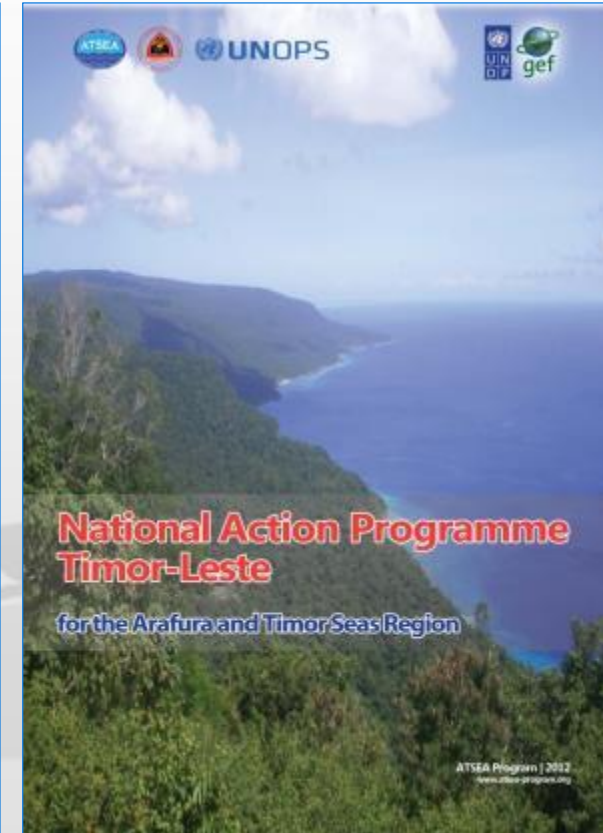
# SAP/NAPs Development



SAP



NAP Indonesia



NAP Timor-Leste



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# SAP/NAPs Initial Implementation

## Demo Project in Indonesia :

- Mud crab culture & mangrove rehabilitation in Tanimbar Island
- Seaweed culture & mangrove rehabilitation in Aru Island
- Monitoring National Demo Project (January and May 2013)





# SAP/NAPs Initial Implementation

## Demo Project in Timor-Leste :

- Mud crab culture & mangrove rehabilitation in Beacou
- Fish product processing in Beacou
- Monitoring (June and Nov 2013)



ATSEA RPM inspected the demo project sites in TL, and met with local community



Local villagers of Beacou placing mud-crab pens



# SAP/NAPs Initial Implementation

## Regional Demo Project:

- Inception Meeting Regional Demo Project, in Jan 2013
- Preparation meeting in Dili (Timor-Leste) and Rote (Indonesia), in Feb and Sep 2013
- Exchange Visit to Northern Australia, in Oct 2013



Using i-tracker in the field



Participants during in-class sessions



Participants spent the fourth day with Yirralka Rangers



Participants met Dhimurru Aboriginal Corporation



# Regional cooperation mechanism

(ATSEA SAP Report, 2013)

A regional mechanism for cooperation will be initiated to ensure coordination and capacity building to promote sustainable and integrated management of the ATS region. Actions to strengthen regional governance of the ATS will include:

## **1. To strengthen the regional governance of the ATS region**

Target : A regional mechanism for cooperation

## **2. To strengthen stakeholder participation in ATS governance and management**

Target : A Stakeholder Partnership Forum of experts and practitioners involved in research and capacity development activities relevant to the SAP and NAPs



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# Regional Management & Financing Mechanism

No	Major Achievements	Reference
1.	Regional Cooperation and Sustainable Finance Mechanism has been developed and presented at the Third Project Board Meeting	<u>PBM-3 decision – Session 5:</u> <b>"The Project Board accepted the offer from Indonesia to host the secretariat of ATS regional institution, which will be located in Bali. The project management office (PMO) will act as an interim secretariat of ATS regional institution until closed of the project."</b>
2.	The draft of Regional Cooperation and Sustainable Finance Mechanism is integrated with the Ministerial Declaration for ATSEA SAP	
3.	The secretariat of ATS regional institution, which will be located in Bali is under construction	



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# Strategic Action Programme

for the Arafura and Timor Seas

ATSEA Program  
2012

[www.atsea-program.org](http://www.atsea-program.org)



# SAP OBJECTIVE AND ENVIRONMENTAL QUALITY OBJECTIVES





# Ministerial Declaration Supporting ATSEA SAP



## DECLARATION ON STRATEGIC ACTION PROGRAMME FOR THE ARAFURA AND TIMOR SEAS ECOSYSTEMS ACTION

We, the Minister of Marine Affairs and Fisheries of the Government of Republic of Indonesia, the Minister of Environment of the Government of the Commonwealth of Australia and the Minister of Agriculture and Fisheries of the Government of Democratic Republic of Timor-Leste;

**NOTING FURTHER** that the Arafura and Timor Sea is a semi-enclosed sea under the 1982 United Nations Convention on the Law of the Sea;

**RECALLING** Article 123 of the 1982 United Nations Convention on the Law of the Sea which requires cooperation by States bordering semi-enclosed seas to among other things, co-ordinate the management, conservation, exploration and exploitation of the living resources of the sea, co-ordinate the implementation of their rights and duties with respect to the protection and preservation of the marine environment; co-ordinate their scientific research policies and undertake where appropriate joint programmes of scientific research in the semi-enclosed sea;

**CONSCIOUS OF** Articles 192 and 194 of the 1982 United Nations Convention on the Law of the Sea which requires States to protect the marine environment, in particular rare or fragile ecosystems as well as the habitat of



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# Lesson Learned from ATSEA-1

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- SAP describes Policy and institutional initiatives to address the priority problems Identified in the Transboundary Diagnostic Analysis
- Importance of targeted Pilot Projects related to SAP
- Importance of Networking and Coordination among stakeholders
- Required relevant Scientific information – meeting project objective
- Government support (central and local) is crucial



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