

ATSEA PHASE 2

Arafura Timor Seas Ecosystem Action (ATSEA-2)

Implementation of the Arafura and Timor Seas Regional and National Strategic Action Programs, Second Phase of the Arafura Timor Seas Ecosystem Action Program (ATSEA-2)

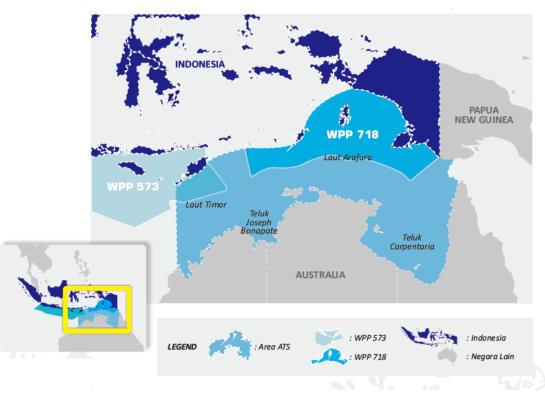
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NPC ATSEA 2 - UNDP

Denpasar, 3 December 2019



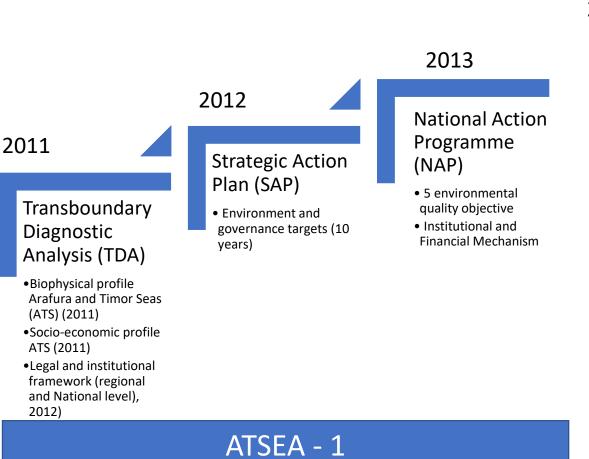
Arafura and Timor Seas (ATS)



The ATS region is extremely rich in living and non-living marine resources, including major fisheries and oil and gas reserves.

- intersection of the two major Large Marine Ecosystems (LMEs); the Indonesian Seas to the north and northern Australian waters to the south.
- Integral part of the recently names 'Coral Triangle zone'





2017

ATSEA – Phase 2

2019 - 2023

Project goal to sustain the flow of ecosystem goods and services from the ATS through a transboundary governance strategy that is rooted in national development priorities.

Project objective is to enhance sustainable development of the ATS region to protect biodiversity and improve the quality of life of its inhabitants through conservation and sustainable management of marine-coastal ecosystems



Issues and Challenges

Priority Environmental Concern	Key Causal Factors	Key impacts
Unsustainaible fisheries & decline and loss of living coastal & marine resources	Illegal, unreported and regulated fishing;, unsustainable practices; fisheries bycatch	 Depletion of shared transboundary and pelagic fisheries- shark/rays, red and gold band snapper, trepang, prawn/shrimp, tuna (Arafura Sea, Timor Sea) Over exploitation of coastal fisheries resources – trepang, trochus, coral reef fisheries (Arafura Sea, Timor Leste) Fisheries bycatch – shrimp/prawn trawling (Arafura Sea), red Snapper (Timor Sea)
Modification, degradation & loss of coastal & marine habitats	Coastal development, bottom trawling, fuel wood (mangroves), dynamite fishing, pollution (sediments)	 Decline & loss of soft bottom habitats (bottom trawling)- Arafura Sea Decline & loss of mangroves- Aru Sea (coastal development) Decline & loss of seagrasses (Sediments, dieback)
Marine & land based pollution (e.g marine debris, sediment, oil spill)	Coastal development (nutriens, sediments), mining (Sedimens, toxicants), land degradation (sediments), oil spills, marine debris	 Sediment runoff –mining activites (Aru Sea, Papua) Toxicants (coastal mining activities) – Aru Sea (And Papua), Kupang, Wetar island Euthrophication –Aru Sea Marine debris – Arafura Sea Oil Spill & impact – Timor Sea, Southern NTT (Montara Oil Spill)



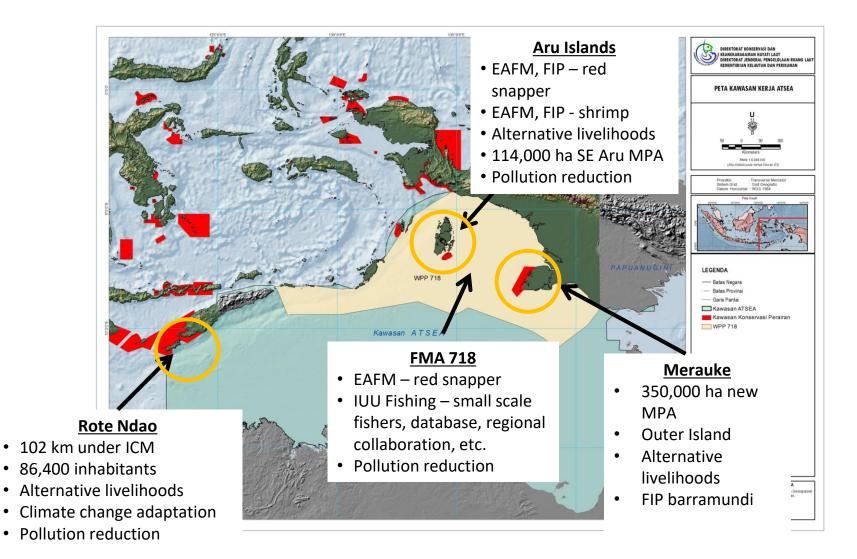
Issues and Challenges

Priority Environmental Concern	Key Causal Factors	Key impacts
Decline & loss of biodiversity & key marine species	Illegal and unsustainable harvesting, fisheries bycatch (ghostnets, trawling, tuna longlines), habitat loss and climate change	 Marine turtles – Aru Sea, Fisheries bycatch, marine debris, tuna longlines) Dugongs – Aru Seas, Fisheries bycatch, marine debris Cetacean – ATS (Fisheries bycatch, shipping, seismic activities Sharks/rays – ATS, (IUU, fishing unsustainable harvest, fisheries bycatch) Sea snakes (ATS,Fisheries bycatch) Seabirds/Shorebirds – ATS (oil and gas industry impacts, fisheries bycatch, illegal and unsustainable harvest)
Impact of Climate Change	Fossil fuel-based global energy consumption, land us, land use change, and forestry	 Ocean warning – dynamics of the Indo Pacific Warm Pool, Ocean thermostat Increased sea temperatures – Northern seas warming impacts on ocean processes, marine biodiversity (particulary marine reptiles, corals) Increased extreme climatic events (cyclonic activities, rainfall, drought) – increase cyclonic frequency & intensity Sea level rise – coastal flooding, saltwater intrusion, loss of coastal habitat & biodiversity











- 1. Need regional body or institution that manage to lead the update of SAP objective progress
- 2. Regional team are not established yet to support regional delivery
- 3. Changing of new Marine and fisheries program priorities after presidential election
- 4. Need to refresh and socialize the SAP objective to National and province government



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