

Regional Nutrient Excess in the Watersheds and Seas of East Asia (RENEWSEAs) & GEF National Pilot for Thailand

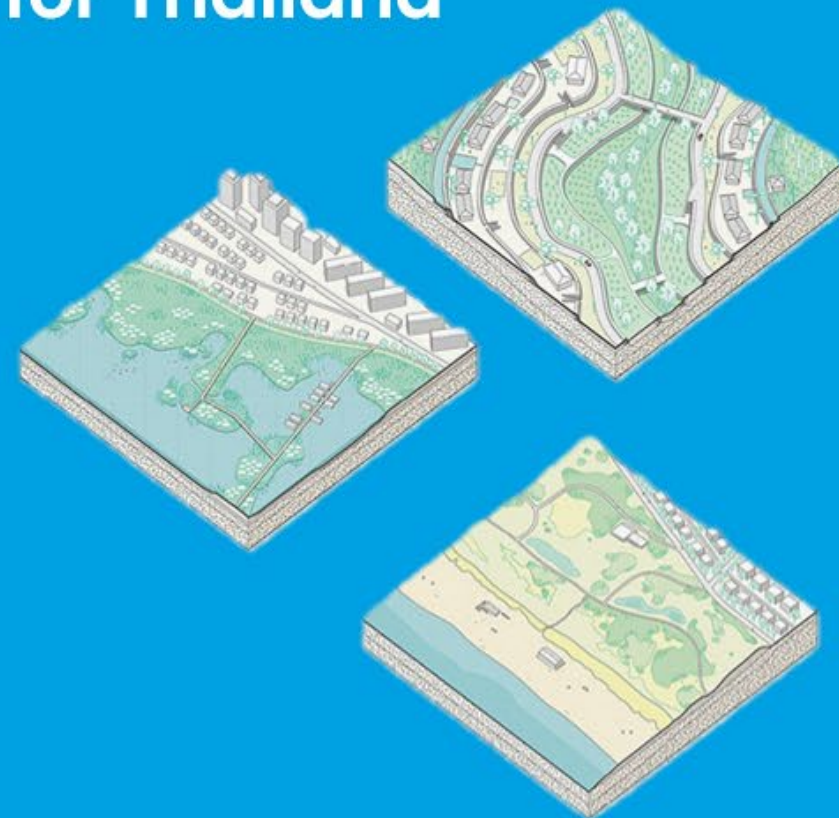
Policy coordination at the regional level:
Experiences from Regional Seas Conventions and Action Plans

Webinar . 29 August 2024

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Coordinator

UNEP Coordinating Body on the Seas of East Asia





COBSEA
COORDINATING BODY ON THE SEAS OF EAST ASIA

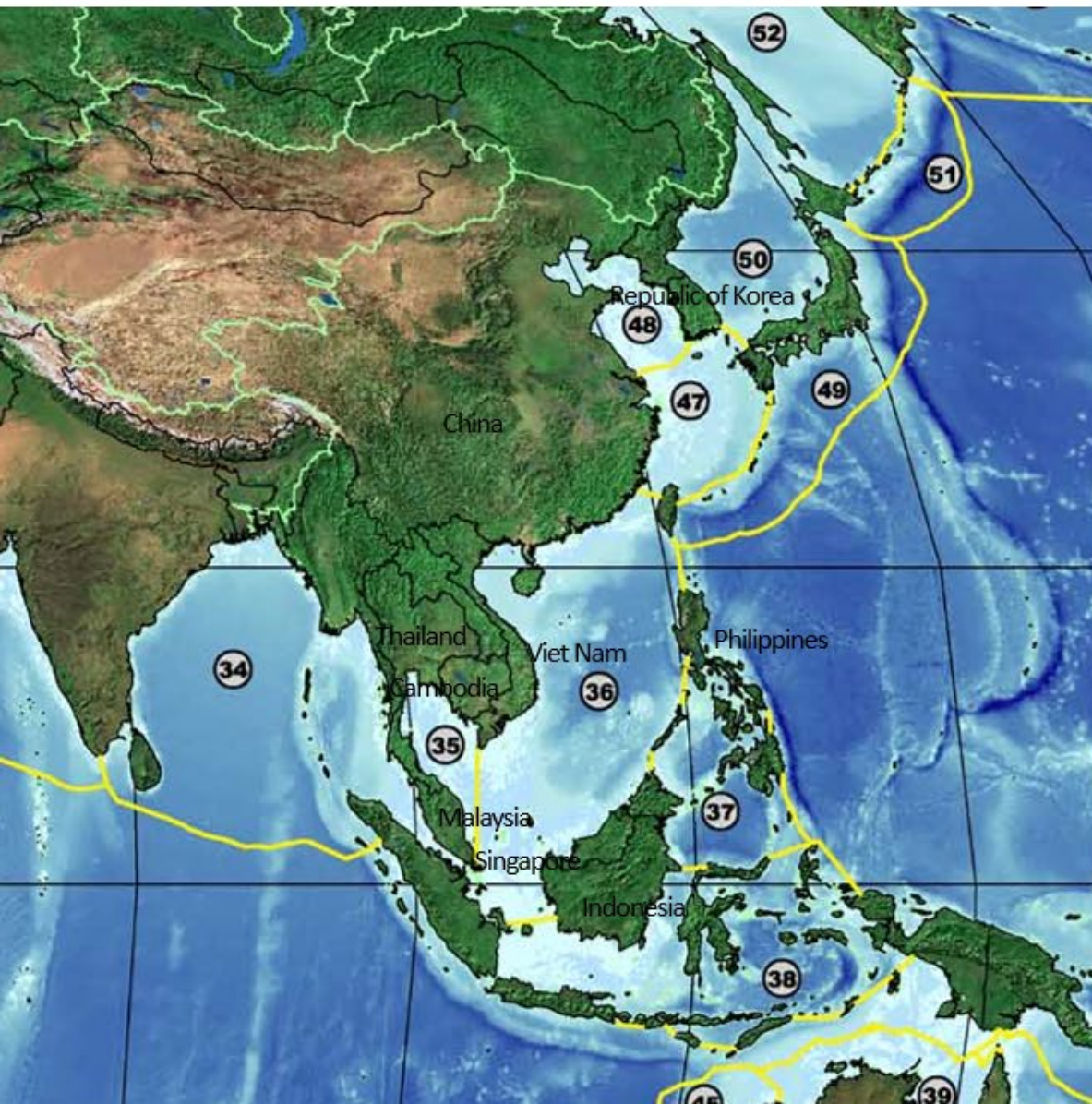
 Convention in place	 Convention not yet entered into force
 Land Based Source Protocol in place	 Land Based Source Protocol not yet entered into force
 Regional Marine Litter Action Plan in place	 Regional Marine Litter Action Plan is being developed
 Regional Marine Litter Assessments under preparation	



ANTARCTIC
Convention on the Conservation of Antarctic Marine Living Resources



Coordinating Body on the Seas of East Asia – COBSEA



East Asian Seas Action Plan 1981/1994

Intergovernmental body aimed at protection and sustainable development of the marine & coastal environment of East Asian Seas

Regional Seas

One of 18 UNEP Regional Seas Conventions and Actions Plans

COBSEA 9 countries

Cambodia, People's Republic of China, Indonesia, Republic of Korea, Malaysia, Philippines, Singapore, Thailand, and Viet Nam

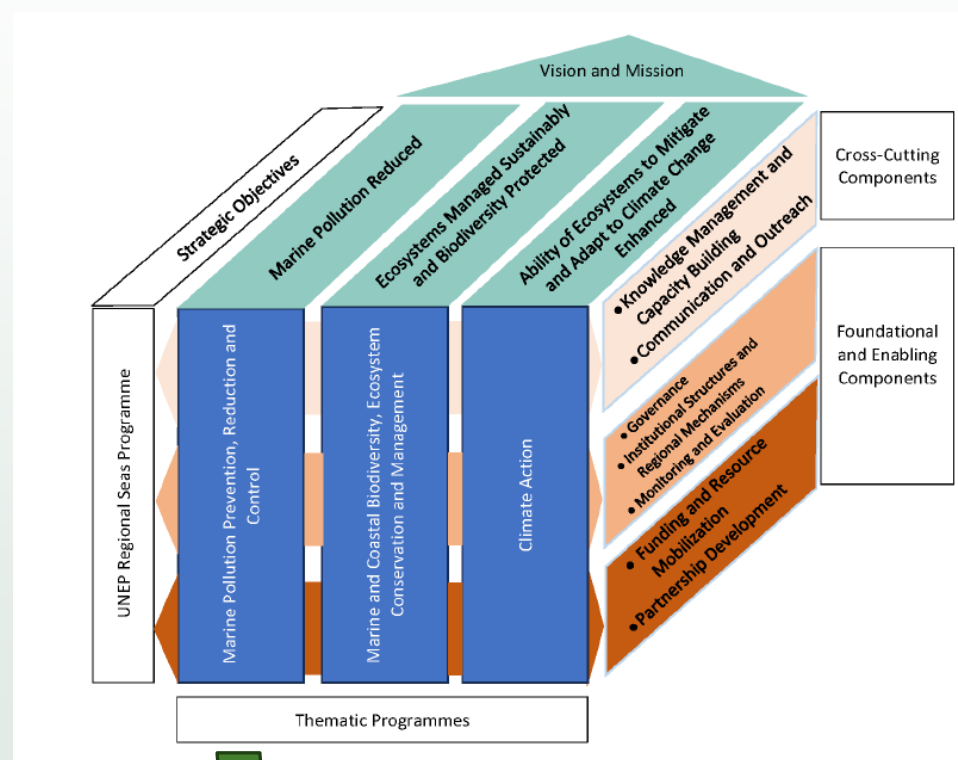
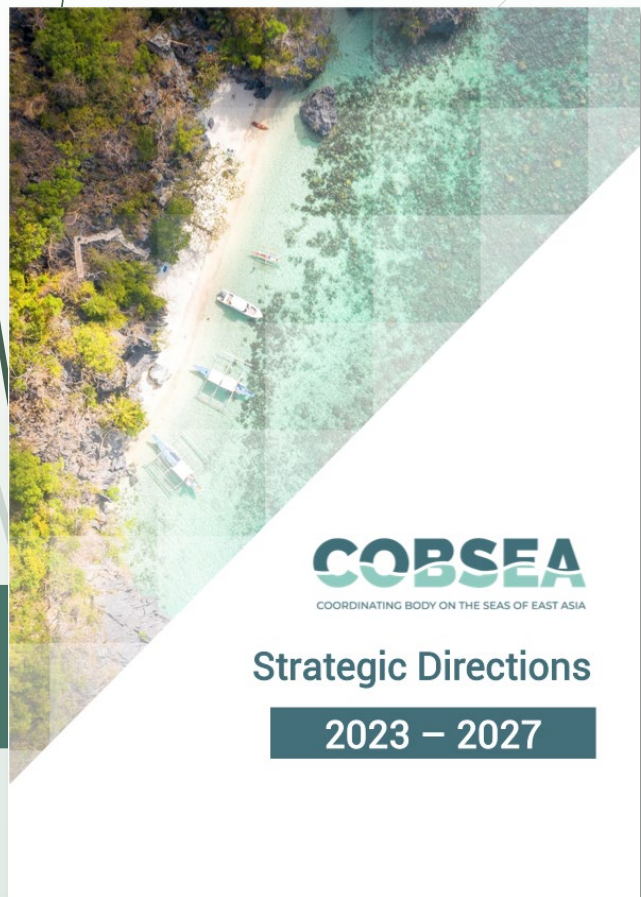
Secretariat

Hosted by Thailand (in Bangkok), administered by UNEP

www.cobsea.org



COBSEA Strategic Directions 2023-2027



❑ Priority Areas 2023-2027: Plastic Pollution and Marine Litter, including Microplastics, from Land- and Sea-based Sources

❑ Priority Areas 2023-2027: Nutrients, sediments and wastewater

COBSEA RENEWSEAS

DRAFT June 2024



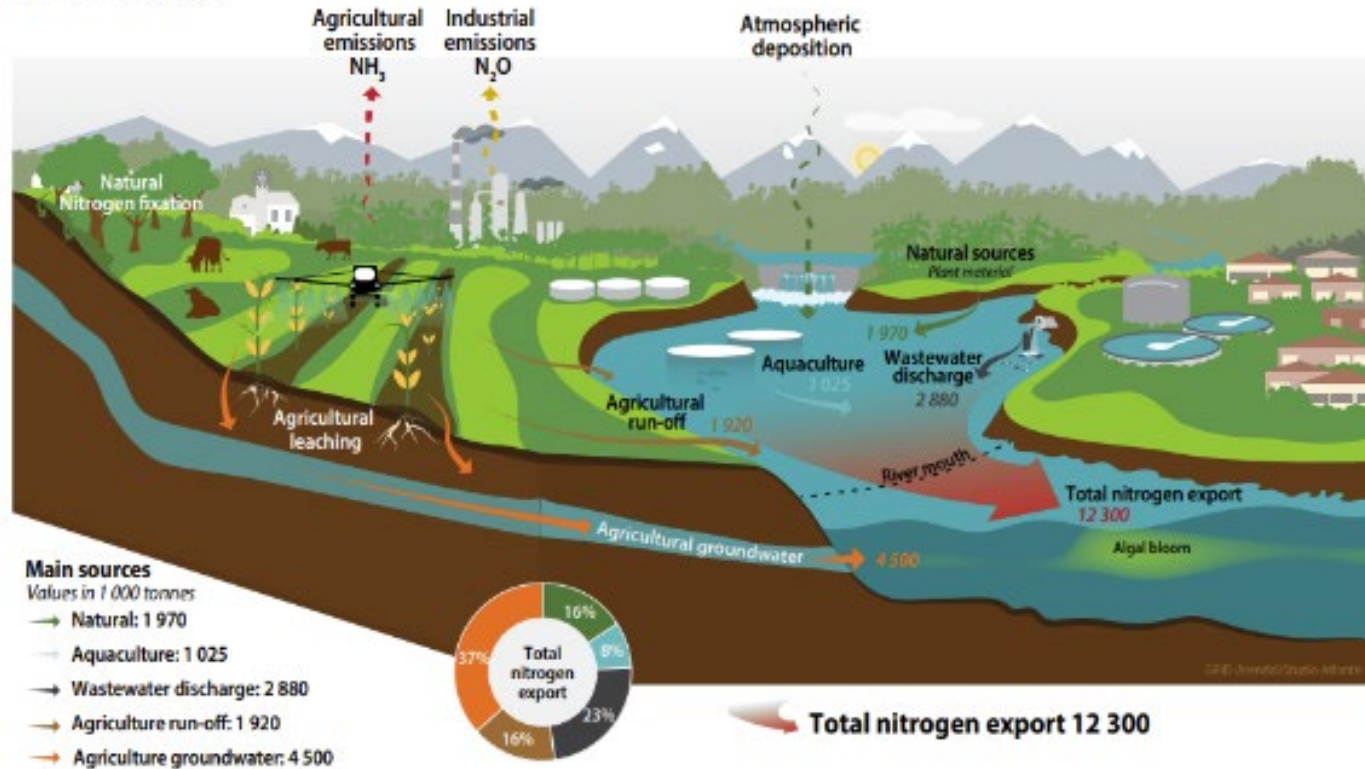
Reducing Nutrient Excess in the Watersheds and Seas of East Asia

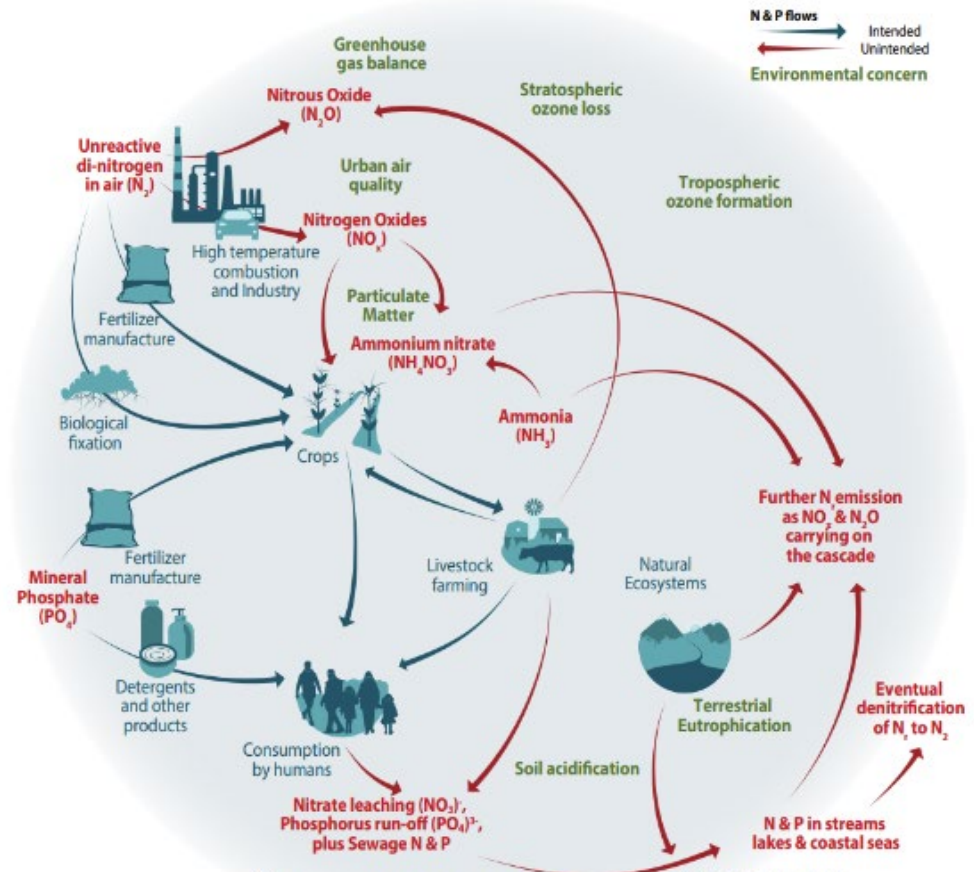
Summary for Policymakers



A) Nitrogen exports via COBSEA national river basins – model year 2015

- Values in 1 000 tonnes





Ecosystem services in the COBSEA Region in 2015

Terrestrial and freshwater ecosystems provide at least **US\$ 7 trillion** worth of services each year

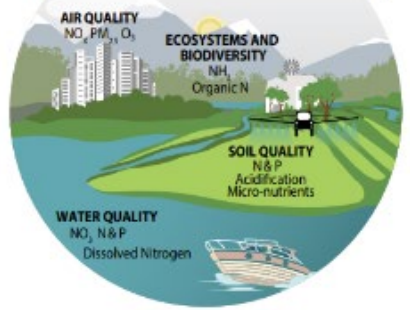


Coastal and marine ecosystems contribute at least **US\$ 10 trillion** worth of services each year

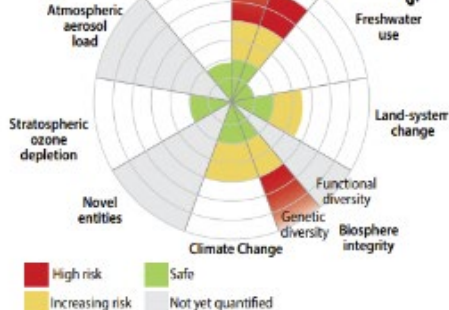


A) Nitrogen Cascade and Phosphorus Flows

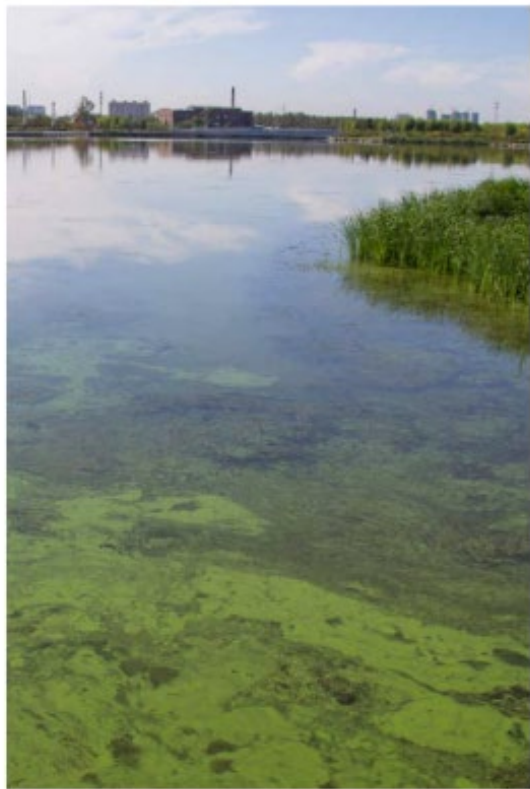
B) Key Threats Caused by Nutrients N & P



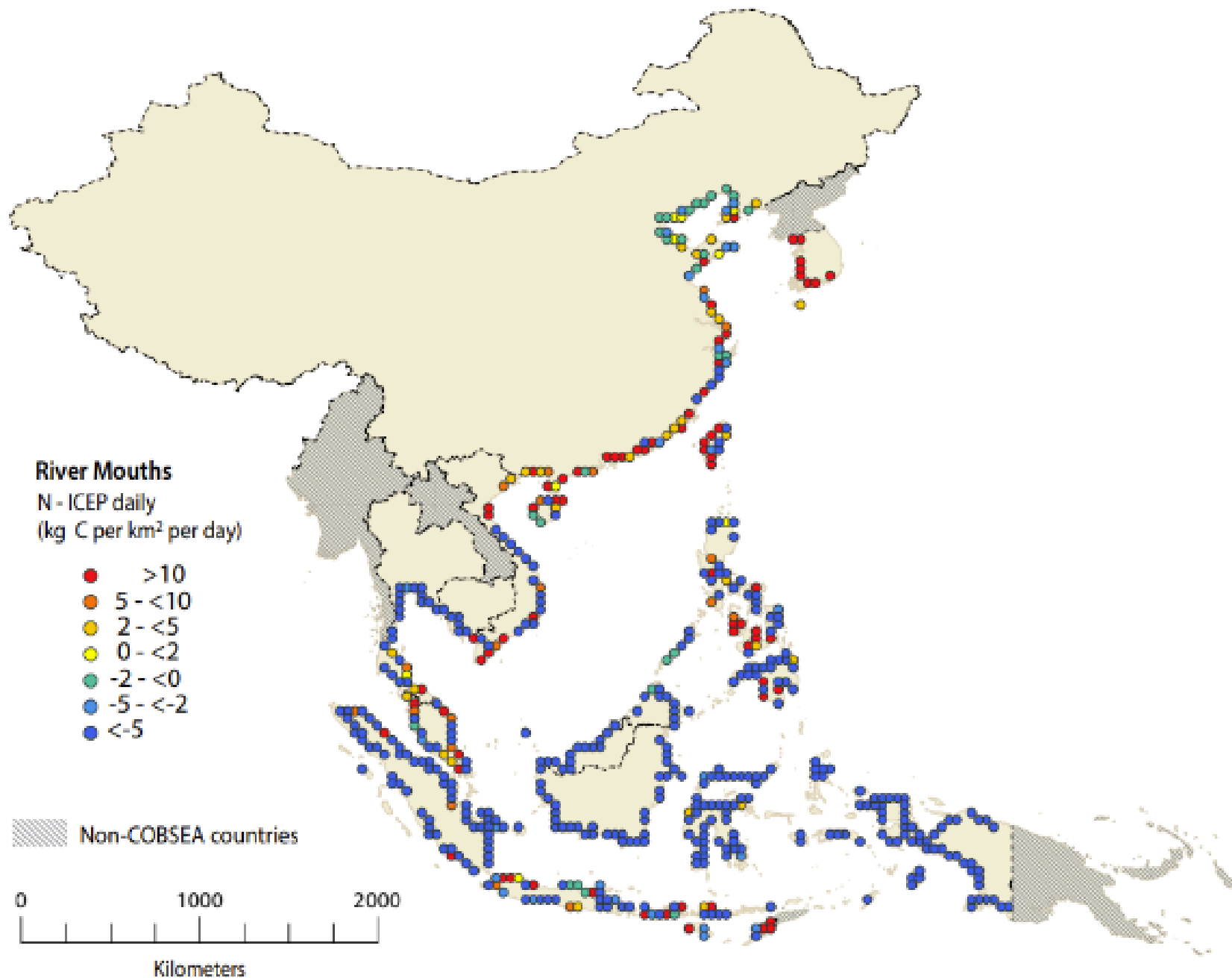
C) Nutrient N & P flows beyond Earth's limits



Nitrogen-Index of Coastal Eutrophication for COBSEA watersheds (year 2000)



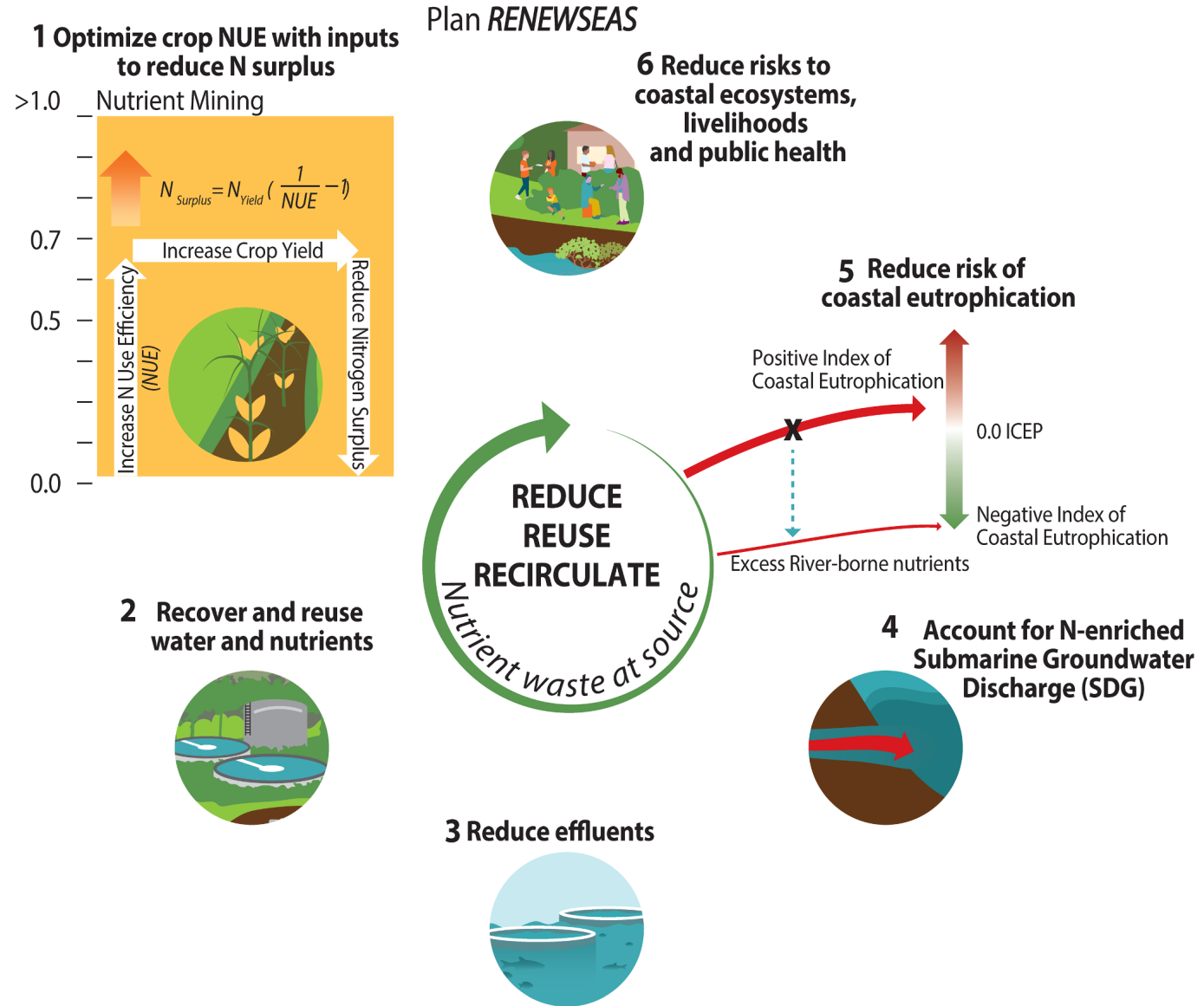
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Enabling condition: A National *RENEWSEAS* Permanent Body or existing equivalent

COBSEA State

Reducing Nutrient Excess in Watersheds and Seas of East Asia





GEF Clean & Healthy Oceans Integrated Programme (CHO IP) **THAILAND Child Project**

Goal: Reduce excess nutrients from source to sea in Thailand, particularly in the Gulf of Thailand, resulting in improved marine and coastal health while contributing to regional and global targets, fostering a sustainable blue economy.

Objective: A comprehensive and integrated system in tackling nutrients pollution coming from all sources in Thailand.

Component 1: Solutions to reduce nutrients from source to sea with active engagement by local communities.

Component 2: Policies and implementation frameworks on nutrients pollution management in Thailand.

Component 3: Knowledge and awareness on nutrients pollution at different scales.

Summary

UNEA Resolutions, SDG14, GBF7 (Global)

RENEWSEAS (Regional) (Regional/National Task Force)

Reduce Nitrogen
Waste Globally

National Action Plans

Improved
coordination of
policies at national,
regional, and global
(intergovernmental
coordination)

Optimize Nutrient Use
Efficiency

Recover and reuse water
and nutrients

Reduce effluents

Account for N-enriched
Submarine Groundwater
Discharge

Reduce risk of coastal
eutrophication

Reduce risk to coastal
ecosystems, livelihoods,
and public health

Thailand

SubCommittee

- Implementation of National Plan on Nutrient Pollution Management
- Policies & Implementation Frameworks
- Research Framework

GEF CHO IP

- Solutions to reduce nutrients
- Policies and implementation Frameworks
- Knowledge and Awareness



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Mediterranean Action Plan
Barcelona Convention



Thank you for your attention!

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  UNEP_COBSEA

 COBSEA Secretariat

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