

Coordinating Body for the Seas of East Asia (COBSEA)

Regional Initiative on Nutrient Management

Technical and Policy Workshop on Sustainable Nutrient Management
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COBSEA

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- UNEP Regional Seas Programme (RSP) for the East Asian Seas Region
- 18 RSPs covering 143 countries



UNEP/GEF SCS Project

- Known as UNEP/GEF project “Reversing environmental degradation trends in the South China Sea and Gulf of Thailand” was implemented in partnership with seven riparian states bordering the South China Sea over the period 2002 – 2008.
- Addressed three priority areas of concern identified in the Transboundary Diagnostic Analysis (TDA): the loss and degradation of coastal habitats; over-exploitation of fisheries; and land-based pollution.
- Data and information generated were used in the development of the National Action Plans (NAPs) and the Strategic Action Programme (SAP) approved in 2008.
- UNEP supported the development of Project Identification Form (PIF) for Implementing the Strategic Action Programme for the South China Sea.

UNEP/GEF SCS SAP Implementation Project

- Known as UNEP/GEF project “Implementation the Strategic Action Programme for the South China Sea” was be implemented for 5 years in partnership with six countries – Cambodia, China, Indonesia, Philippines, Thailand and Vietnam
- Aim to assist countries in meeting the targets of the coastal and marine environment components (mangroves, coral reefs, seagrass and wetlands) of the SAP through implementation of NAPs in support of the SAP, and strengthening regional coordination for the SCS SAP implementation
- **Component 1:** Reducing habitat degradation and loss via national and local reforms to achieve Strategic Action Programme targets for coastal habitat management in the South China Sea
- **Component 2:** Strengthening knowledge-based action planning for the management of coastal habitats and land-based pollution to reduce environmental degradation of the South China Sea
- **Component 3:** Facilitating regional and national level integration and cooperation for implementation of the South China Sea Strategic Action Programme.
- Proposed budget is USD 15 Million from the GEF co-financed by USD 56 Million from participating countries. COBSEA and UNEP as Executing and Implementing Agency.

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Component 2: Strengthening knowledge-based action planning for the management of coastal habitats and land-based pollution to reduce environmental degradation of the South China Sea

- Intends to help countries fulfill their GPA commitments to develop policies to reduce and control wastewater, marine litter and pollution from fertilizers through the development and implementation of national goals and plans.
- Development and application of simple models of pollution impacts under different development scenarios for land-based activities
- Reviews of legislative and institutional frameworks for land-based pollution management
- Revision of national/provincial policies
- Development, enactment and implementation of supporting regulations for land-based pollution
- Updating and adoption of National Investment Plans for land-based pollution management in the SCS

UNEP/GEF SCS SAP Implementation Project

Development and application of simple models of pollution impacts under different development scenarios for land-based activities

- Nutrient carrying capacity model for the SCS marine basin used to communicate with decision-makers about the localized v. transboundary impacts of land-based pollution in the SCS
- Total contaminant loading and carrying capacity of the SCS estimated via application of quantitative modeling and GIS-based techniques for seven heavy metals (Hg, Cd, Pb, Cu, Cr, As, Zn).
- Impacts of estimated heavy metal contaminant loadings defined, quantified and communicated to decision-makers
- Characterization of heavy metal pollution hotspots
- Quantification of effluent volumes and contaminant loadings from coastal aquaculture to the SCS marine basin

Note: UNEP/GEF SCS Project initiated in collaboration with SEA-START, modelling of the assimilative capacity of the South China Sea marine basin with respect to nutrient contaminant inputs from land-based sources.

Possible Collaboration Areas

- Training and capacity building
- Information and knowledge generation, sharing and exchange
- Outreach and education materials development and dissemination
- Marine pollution guidelines and tools development and dissemination
- Pilot demonstration activity implementation

