



# Implementing the Strategic Action Programme for the South China Sea and Gulf of Thailand (SCS SAP Project)

**Second Meeting of the Regional Working Group on Mangroves and Wetlands**

Iloilo City, Philippines 11-12 August 2025

**Summary on achievements at SCS SAP Project sites in implementing the PCA/GSA, including reviews on status of monitoring, and data and information available on mangroves and wetlands**



## **Achievements, monitoring status and data/information available at the SCS SAP mangroves and wetland sites in [country name]**

Prepared by: [name of focal points on mangroves and wetlands]

### **Introduction**

As described in the Inception Phase Regional Implementation Report reviewed in the First Steering Committee of the SCS SAP Project held in June 2021, Bangkok, Thailand, the outcomes and outputs for mangrove and wetland focal areas include:

<i><b>Outcome 1.1</b> Appropriate forms of sustainable management established for 860,000 ha of mangroves</i>	<i><b>Outcome 1.4</b> Integrated management of 813,647 ha of coastal wetlands at 19 sites, including habitat restoration and protection strengthened at priority locations</i>
Output 1.1.1 Declaration of 57,400 ha of mangrove as National Parks and Protected Areas	Output 1.4.1 Integrated management plans developed and under implementation for at least 2 lagoons (21,818 ha), 10 estuaries (639,418 ha), 5 tidal flats (96,903 ha), 1 peat swamp (45,700 ha) and 1 non-peat swamp (9,808 ha)
Output 1.1.2 Designation and plans for the management of 166,600 ha of mangrove as non-conversion, sustainable use areas	Output 1.4.2 Declaration of wetland areas with protection status (i.e. non-hunting area, nature reserves, protected areas, Ramsar Sites)
Output 1.1.3 Reform of laws and regulations for the sustainable use of 602,800 ha of mangrove forest	Output 1.4.3 Adoption of a regional monitoring scheme and its national implementation
Output 1.1.4 Replanting of 21,000 ha of deforested mangrove land	
Output 1.1.5 Biodiversity increased for 11,200 ha of mangrove forest via enrichment planting	
Output 1.1.6 Established mechanism for monitoring management, ecological and socio-economic indicators at sites	

Recently, all participating countries signed PCAs/GSAs for implementing national activities, focusing on the site level under component 1. The 2<sup>nd</sup> meetings of the RWGs on habitats will review achievements in implementing the PCA/GSAs at SCS SAP sites (as seen in table 1 for mangroves and wetland) and others funded by co-finance. Summaries of these achievement of [name of country] are described in table 2 and 3 below.

Related to knowledge management system, the Second Meeting of the SCS SAP Steering Committee held in January 2024, Bangkok, Thailand adopted the revised workplan of the SCS SAP Project with three outcomes. Among them, outcome 2.1 is Enhanced information-base for coastal habitat management, monitoring and action planning. Under this outcome, a specific

regional output for habitat focal areas is 2.1.1. Assessment of existing data and information on coastal habitat in the South China Sea, and review of monitoring and assessment approaches that can support SCS monitoring program, from national, regional and global sources, combined with project-generated data from Component 1. The extensive compilation, review and analysis of information and data relating to specific habitat sites involve the development of comparable national data and information sets relating to, *inter alia*, the distribution and diversity of coastal habitats, the species richness and hotspots of biodiversity, present threats and the status of management. These enhancements to the information-base for coastal habitat management and action planning will be used to guide the preparation of updated National Reports, the National Action Plans, as well as the revised TDA and SAP.

The Second Meetings of the Regional Working on Habitats will review status of national monitoring, and data and information available at the sites of SCS SAP Project and others, if any, supported by co-finance. The country report of [name of country] presents below monitoring status and availability of data and information (table 4).

**Table 1. SCS SAP sites on mangroves and wetlands in participating countries**

Country	Mangrove sites	Wetland sites
Cambodia	Botum Sakor National Park, Peam Krasop Wildlife Sanctuary, Prey Nob District	Koh Kapik Ramsar Site, Kampong Trach, Chumpeu Khmao
China	Shangkou, Dongzhaigang, Zhanjiang, Yangjiang, Huidong	Pearl River estuary (Jitimen), Dahu; Maoweiha, Danzhou (Xinyingwan)
Indonesia	Batu Ampar	Sembilang Sector of the Berbak Sembilang NP
Philippines	Busuanga, Coron	Malampaya Sound
Thailand	Pak Phanang Bay, Welu River Estuary, Bandon	Don Hoi Lot
Vietnam	Tien Yen, Can Gio	Thai Thuy Wetlands, Tien River Estuary; Tam Giang – Cau Hai lagoon
Total	16 sites, 150,373 ha	13 sites, 416,859 ha

**Summary of achievements in implementing the PCA/GSA [fill appropriate verification means under each site; additional table if more than 3 sites designed in the PCA/GSA & funded by co-finance]**

**Table 2. For mangrove sites**

<b>Reg. Output &amp; verification means</b>	<i>Site 1 - Name</i>	<i>Site 2 - Name</i>	<i>Site 3 - Name</i>
1.1.1. Data & information reviews, consultation; Name & Date of PA declaration; management plan developed for total ?? ha, mangrove/tidal flat ??ha			
1.1.2. Reviews of data & regulation, consultation; awareness raising, capacity building; livelihood alternatives; Management plan for sustainable use developed for ??ha & approved on [date?]. Key activities in implementing the plan?			
1.1.3. Reviews of legal matters, consultation; Reformed laws/regulation drafted, submitted or adopted on [date] for management of ?? ha of mangroves			
1.1.4. Development of methodology, training; How many hectares of mangroves replanned?			
1.1.5. Development of methodology, training; Species and area (ha) of mangroves enriched?			
1.1.6. Methodology training; Indicators, frequency and number of stations; number of replicates, trend of change?			

**Tale 3. For wetland sites**

<b>Reg. Output &amp; verifications</b>	<i>Site 1 - Name</i>	<i>Site 2 - Name</i>	<i>Site 3 - Name</i>
1.4.1. Reviews of data & legal matters, consultation; awareness raising, capacity building; livelihood alternatives; Integrated management plan developed for total ??ha & approved on [date?], mangrove/tidal flat/seagrass ??ha; Key activities in implementing the plan?			
1.4.2. Data & information reviews, consultation; Name & Date of PA declaration; management plan developed for total ?? ha, mangrove/tidal flat/seagrass ??ha			
1.4.3. Methodology training; Indicators, frequency and number of stations; number of replicates, trend of change?			

**Summary on status of monitoring related mangroves and wetlands in [name of country]**

1/ Name of the monitoring program:

Number of stations and map indicating locations:

Indicators and frequency:

2/...

**Table 4. Availability of data and information at the sites on mangroves and wetlands  
[additional table if needed]**

[Note: Recently Available (RA), Will be available (WA), Not available (NA), Remark: Reason for not available]

Type of data/information	Site 1 - Name	Site 2 - Name	Site 3 - Name	Remarks
<i>Geographic information</i>				
Co-ordinate				
Description, lagoon, tidal flats, estuaries, islands etc.				
Habitat mapping				
Mangrove area (ha)				
Tidal flat area (ha)				
Seagrass area (ha)				
Change of mangrove area since 2010				
<i>Biological information</i>				
Proportions of total area natural and replanted				
Number of true mangrove species				
True mangrove tree species density (no ha-1)				
Crustacea – Crab genera, density				
Molluscs – Bivalve genera, density				
Molluscs – gastropods genera, density				
Fish – Residents, species abundance				
Fish – Transient for breeding, species abundance				
Changes of fisheries resources				
Mammals, resident				
Birds, resident species				
Birds, migratory species				
Reptiles, resident species				

Type of data/information	Site 1 - Name	Site 2 - Name	Site 3 - Name	Remarks
List others as available (e.g. mud crab)				
Formations – number of canopy layers (strata)				
<i>Social – use information</i>				
Ownership				
Management regime				
Current use				
Potential use				
Significance/national importance				
Protection category (MPA, NP...), total area, mangrove area, tidal flats area, seagrass area in hectare,				
Area of replanted mangroves				
<i>Stress-pressure information</i>				
Resident human population				
Natural threats, e.g. frequency of typhoon throw, change in allochthonous sediment inputs, marine based flooding				
Changes in catchment basin e.g. dam construction water diversion etc.				
Rates of loss of cover and/or species since 2010				
Social and economic drivers of change in environmental state				
<i>Economic valuation</i>				
Values of direct use				
Values of indirect use				
Values from environmental services				
Value of investment				
Values of potential (commercial) sustainable use				
Total Economic Value				
Economic losses caused by impacts or habitat loss/degradation				