



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

**First Meeting of the Regional Working Group on Wetlands**

Teleconference, 7 December 2021

## **EVALUATION OF SAP IMPLEMENTATIONS OF WETLAND FOCAL AREA DURING 2008-2021**



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# 1. INTRODUCTION

## **OUTCOME 1.4 INTEGRATED MANAGEMENT OF 813,647 HA OF COASTAL WETLAND AT 19 SITES, INCLUDING HABITAT RESTORATION AND PROTECTION STRENGTHENED AT PRIORITY LOCATIONS**

One of the anticipated outputs from the UNEP/GEF Project entitled “*Reversing Environmental Degradation Trends in the South China Sea and Gulf of Thailand*” is an up-dated Strategic Action Programme, and the document contains the final text as approved by all countries during the 8<sup>th</sup> meeting of the Project Steering Committee in Hanoi, Viet Nam, August 2008. It was anticipated that the countries would commence implementation of the envisaged actions in 2008/2009 in parallel with the process in seeking further support from GEF for the SAP implementation.

The UNEP project document for “*Implementing the Strategic Action Programme for the South China Sea and Gulf of Thailand*” adopted by the GEF Secretariat 2 November 2016 (GEF ID 5538) to assist countries in meeting the targets of the approved Strategic Action Programme (SAP) for the marine and coastal environment of the South China Sea through implementation of the National Action Plans in support of the SAP, and strengthening regional co-ordination for SCS SAP implementation.

As indicated in the adopted project document, activities to achieve Outcome 1.4 aim to improve the effectiveness of national policy, legal and institutional arrangements and co-ordination including the needed national reforms by developing and implementing management plans for at 2 lagoons (21,818 ha), 10 estuaries (839,418 ha), 5 tidal flats (96,903 ha), 1 peat swamp (45,700 ha) and 1 non-peat swamp (9,808 ha); declaring at least 7 wetland areas with protection status (i.e. non-hunting area, nature reserves, protected areas, Ramsar Sites) including the needed management reforms and adopting a regional estuary monitoring scheme and its national implementation (Table 1 & 2).

In the total, 19 sites of different wetland categories were identified as priority locations for management within the framework of SAP implementation. It is noted that the process in selecting these sites was adopted by the Regional Science and Technical Committee (RTRC) quite early in 2002. The RTRC urged the National Technical Working Groups (NTWG), and national committees in each country to review the data and information collated during the preparatory phase of the project, and to regularly provide updated data and information, particularly in relation to data source. The Regional Working Group (RWG) on Wetland proceeded to finalize data sets, cluster analyses and ranking procedures according to their significance in terms of biological diversity, threats, and transboundary importance via a series of RWG meetings. In the case of the wetland sites, it was finally agreed to finalize the sites on the basis of wetland types, namely estuaries, inter-tidal mudflats, coastal lagoons and peat and non-peat swamp (See required biological and socio-indicators for analysis in Annex 1 and 2). These outputs were reported for reviews of the RTRC and then proposed for consideration and adoption of the Project Steering Committee (PSC). Ultimately, decisions were taken, both at the national and regional levels, by an appropriately constituted body having authority and responsibility for policy level decision-making: the PSC and Inter-Ministry Committees.

This evaluation which will be further developed into a publication in 2022 provides evidences on proactive contribution of the participating countries in implementing the SAP and supports to estimate their co-finance for environment management in the SCS during last decade. The reviews of past activities and outputs would be helpful for seeking the gaps which shall be addressed in implementing the SCS-SAP project in 2022-2023.

**Table 1 Area of the SAP target sites categorized by wetland types in participating countries**

<b>REGION</b>	<b>Sites</b>	<b>Estuary</b>	<b>Lagoon</b>	<b>Tidal Flat</b>	<b>Peat Swamp</b>	<b>Non-peat Swamp</b>	<b>TOTAL</b>
Cambodia	Koh Kapik Ramsar in Koh Kong Province	12,000					12,000
China	Pearl river	12,783					20,276
	Beilun river	1,083					
	Wenchang		218				
	Shantou			1,435			
	Hepu			3,951			
	Danzhou			806			
Indonesia	Sembilang	387,500					387,500
Philippines	Malampaya Sound	24,500					54,515
	Pansipit River Estuary	15					
	Manila Bay Tidal Flat			30,000			
Thailand	Wetlands in Thale Noi Wildlife Non-hunting Area				45,700		55,508
	Khao Sam Roi Yot National Park					9,808	
Viet Nam	Balat Estuary	26,397					283,848
	Tien River Estuary	100,691					
	Dong Nai River Estuary	49,711					
	Tien Yen Estuary	24,738					
	Tam Giang-Cau Hai Lagoon		21,600				
	Ca Mau Southwest Tidal Flat			60,711			
	<b>19 sites</b>	<b>639,418</b>	<b>21,818</b>	<b>96,903</b>	<b>45,700</b>	<b>9,808</b>	<b>813,647</b>

**Table 2. Outcome 1.4 outputs, sites and targets for the management of wetlands**

<b>Outputs</b>	<b>Cambodia</b>	<b>China</b>	<b>Indonesia</b>	<b>Philippines</b>	<b>Thailand</b>	<b>Viet Nam</b>	<b>TOTAL</b>
1.4.1 Integrated management plans developed and under implementation for at least 2 lagoons (21,818 ha), 10 estuaries (839,418 ha), 5 tidal flats (96,903 ha), 1 peat swamp (45,700 ha) and 1 non-peat swamp (9,808 ha);	Koh Kapik Ramsar, Koh Kong Province	Pearl river	Sembilang	Malampaya Sound	Thale Noi Wildlife Non-hunting Area	Tam Giang-Cau Lagoon	19 sites
1.4.2 Declaration of at least 7 wetland areas with protection status (i.e. non-hunting area, nature reserves, protected areas, Ramsar Sites).		Beilun river				Manila Bay Tidal Flat	
	Shantou	Dong Nai River Estuary	Ca Mau Southwest Tidal Flat	Balat Estuary			
	Hepu					Tien River Estuary	
	Danzhou						
	Wenchang						

Outputs	Cambodia	China	Indonesia	Philippines	Thailand	Viet Nam	TOTAL
1.4.3 Adoption of a regional estuary monitoring scheme and its national implementation							
<b>Total wetland area in the 19 target sites (ha)</b>	<b>12,000</b>	<b>20,276</b>	<b>387,500</b>	<b>54,515</b>	<b>55,508</b>	<b>283,848</b>	<b>813,647</b>

## 2. STATUS OF SAP IMPLEMENTATION

### 2.1. CAMBODIA

#### Wetland targets in Cambodia based on 2008 SAP

As indicated in the project which was approved for SAP implementation, one wetland sites was proposed for Cambodia as seen in the table below with the total area around 12,000 ha.

**Table 3. Cambodia - Proposed wetland sites from 2008 SAP**

Site name	Wetland area (ha)	Wetland category
Koh Kapik Ramsar in Koh Kong Province	12,000	Estuary

#### Summary of activities and outputs of the period 2008-2021

**Table 4. Cambodia - Changes in management and restoration of key agreed sites since 2008**

	<b>Koh Kapik</b>
Improvement of site management	<p><i>Is there any new management plan or regulation established at the site, YES/NO? Mention type and year established.</i></p> <p><i>Who is responsible for day-today management of the site? Mention number or persons.</i></p> <p><i>Is management and enforcement adequate/weak/lacking?</i></p>
Participation engagement	<p><i>Is there a mechanism to engage participation of communities, private sector, foundations, NGOs in conservation and sustainable use. YES/NO? If yes, describe</i></p>
Rehabilitation	<p><i>Have any actions been undertaken for the wetnd rehabilitation at the site. YES/NO? If yes, describe actions and number of hectares rehabilitated.</i></p>
Monitoring and trends of changes	<p><i>Has the site been monitored? YES/NO</i></p> <p><i>If yes, please describe monitoring design (ecological &amp; socio-economic indicators), monitoring practices and trends of changes related to habitat degradation and loss as well as influences to local community</i></p>
National initiatives and Projects	<p><i>Have any national initiatives and/or projects been executed at the site? YES/NO? If yes, please mention initiative project, dates executed and budget (if available). Plus any key references, reports on achievements.</i></p>
Fund raising and sustainable financial mechanisms	<p><i>Please outline budget sources for activities and any mechanism developed to sustain long term funding</i></p>
Recommendation	<p><i>Select one of the following recommendations regarding the site:</i></p> <ul style="list-style-type: none"> <li>• <i>Under effective management, no more support needed for the site</i></li> <li>• <i>Further support to implement prior activities in SCS SAP Project (list of priorities)</i></li> </ul>

• *Replace by another site or cancel: Please provide justifications*

In addition to the wetland management at the priority sites of the SAP, additional key achievements towards the SCS SAP outcomes and outputs shall be reported.

**Table 5. Cambodia - Key achievements towards the SCS SAP implementation**

<b>Regional outputs</b>	<b>Implication at the national level</b>	<b>Details at sites</b>
1.4.1 Integrated management plans developed and under implementation for at least 1 estuary (12,000 ha)	<i>Total area (ha) under management by each wetland type</i>	<i>List by roster site name, type &amp; area under management</i>
1.4.2 Declaration of wetland areas with protection status (i.e. non-hunting area, nature reserves, protected areas, Ramsar Sites)	<i>Number of wetland areas where protection status was declared</i>	<i>Site name, type and relevant area (ha)</i>
1.4.3 Adoption of a regional estuary monitoring scheme and its national implementation	<i>Number of site where monitoring was conducted</i>	<i>Site names</i>

## 2.2. CHINA

### Wetland targets in China based on 2008 SAP

As indicated in the project which was approved for SAP implementation, 6 wetland sites were proposed for China as seen in the table below with the total area around 20,276 ha.

**Table 6. China - Proposed wetland sites from 2008 SAP**

<i>Site name</i>	<i>Wetland area (ha)</i>	<i>Wetland category</i>
Pearl river	12,783	Estuary
Beilun river	1,083	Estuary
Wenchang	218	Lagoon
Shantou	1,435	Tidal flat
Danzhou	806	Tidal flat
Hepu	3,951	Tidal flat
<b>TOTL CHINA</b>	<b>20,276</b>	

### Summary of activities and outputs of the period 2008-2021

**Table 7. China - Changes in management and restoration of key agreed sites since 2008**

	<b>Pearl River</b>
Improvement of site management	<i>Is there any new management plan or regulation established at the site, YES/NO? Mention type and year established.</i>
	<i>Who is responsible for day-to-day management of the site? Mention number or persons.</i>
	<i>Is management and enforcement adequate/weak/lacking?</i>

Participation engagement	<i>Is there a mechanism to engage participation of communities, private sector, foundations, NGOs in conservation and sustainable use. YES/NO? If yes, describe</i>
Rehabilitation	<i>Have any actions been undertaken for the wetland rehabilitation at the site. YES/NO? If yes, describe actions and number of hectares rehabilitated.</i>
Monitoring and trends of changes	<i>Has the site been monitored? YES/NO If yes, please describe monitoring design (ecological &amp; socio-economic indicators), monitoring practices and trends of changes related to habitat degradation and loss as well as influences to local community</i>
National initiatives and Projects	<i>Have any national initiatives and/or projects been executed at the site? YES/NO? If yes, please mention initiative project, dates executed and budget (if available). Plus any key references, reports on achievements.</i>
Fund raising and sustainable financial mechanisms	<i>Please outline budget sources for activities and any mechanism developed to sustain long term funding</i>
Recommendation	<i>Select one of the following recommendations regarding the site:</i> <ul style="list-style-type: none"> <li>• <i>Under effective management, no more support needed for the site</i></li> <li>• <i>Further support to implement prior activities in SCS SAP Project (list of priorities)</i></li> <li>• <i>Replace by another site or cancel: Please provide justifications</i></li> </ul>
<b>Beilum River</b>	
Improvement of site management	<i>Is there any new management plan or regulation established at the site. YES/NO? Mention type and year established.</i>
	<i>Who is responsible for day-today management of the site? Mention number or persons.</i>
	<i>Is management and enforcement adequate/weak/lacking?</i>
Participation engagement	<i>Is there a mechanism to engage participation of communities, private sector, foundations, NGOs in conservation and sustainable use. YES/NO? If yes, describe</i>
Rehabilitation	<i>Have any actions been undertaken for the wetland rehabilitation at the site. YES/NO? If yes, describe actions and number of hectares rehabilitated.</i>
Monitoring and trends of changes	<i>Has the site been monitored? YES/NO If yes, please describe monitoring design (ecological &amp; socio-economic indicators), monitoring practices and trends of changes related to habitat degradation and loss as well as influences to local community</i>
National initiatives and Projects	<i>Have any national initiatives and/or projects been executed at the site? YES/NO? If yes, please mention initiative project, dates executed and budget (if available). Plus any key references, reports on achievements.</i>
Fund raising and sustainable financial mechanisms	<i>Please outline budget sources for activities and any mechanism developed to sustain long term funding</i>
Recommendation	<i>Select one of the following recommendations regarding the site:</i> <ul style="list-style-type: none"> <li>• <i>Under effective management, no more support needed for the site</i></li> <li>• <i>Further support to implement prior activities in SCS SAP Project (list of priorities)</i></li> <li>• <i>Replace by another site or cancel: Please provide justifications</i></li> </ul>
<b>Wenchang</b>	
Improvement of site management	<i>Is there any new management plan or regulation established at the site, YES/NO? Mention type and year established.</i>
	<i>Who is responsible for day-today management of the site? Mention number or persons.</i>
	<i>Is management and enforcement adequate/weak/lacking?</i>
Participation engagement	<i>Is there a mechanism to engage participation of communities, private sector, foundations, NGOs in conservation and sustainable use. YES/NO? If yes, describe</i>
Rehabilitation	<i>Have any actions been undertaken for the wetland rehabilitation at the site. YES/NO? If yes, describe actions and number of hectares rehabilitated.</i>
Monitoring and trends of changes	<i>Has the site been monitored? YES/NO If yes, please describe monitoring design (ecological &amp; socio-economic indicators), monitoring practices and trends of changes related to habitat degradation and loss as well as influences to local community</i>



National initiatives and Projects	<i>Have any national initiatives and/or projects been executed at the site? YES/NO? If yes, please mention initiative project, dates executed and budget (if available). Plus any key references, reports on achievements.</i>
Fund raising and sustainable financial mechanisms	<i>Please outline budget sources for activities and any mechanism developed to sustain long term funding</i>
Recommendation	<i>Select one of the following recommendations regarding the site:</i> <ul style="list-style-type: none"> <li>• <i>Under effective management, no more support needed for the site</i></li> <li>• <i>Further support to implement prior activities in SCS SAP Project (list of priorities)</i></li> <li>• <i>Replace by another site or cancel: Please provide justifications</i></li> </ul>
<b>Shantou</b>	
Improvement of site management	<i>Is there any new management plan or regulation established at the site. YES/NO? Mention type and year established.</i>
	<i>Who is responsible for day-today management of the site? Mention number or persons.</i>
	<i>Is management and enforcement adequate/weak/lacking?</i>
Participation engagement	<i>Is there a mechanism to engage participation of communities, private sector, foundations, NGOs in conservation and sustainable use. YES/NO? If yes, describe</i>
Rehabilitation	<i>Have any actions been undertaken for the wetland rehabilitation at the site. YES/NO? If yes, describe actions and number of hectares rehabilitated.</i>
Monitoring and trends of changes	<i>Has the site been monitored? YES/NO If yes, please describe monitoring design (ecological &amp; socio-economic indicators), monitoring practices and trends of changes related to habitat degradation and loss as well as influences to local community</i>
National initiatives and Projects	<i>Have any national initiatives and/or projects been executed at the site? YES/NO? If yes, please mention initiative project, dates executed and budget (if available). Plus any key references, reports on achievements.</i>
Fund raising and sustainable financial mechanisms	<i>Please outline budget sources for activities and any mechanism developed to sustain long term funding</i>
Recommendation	<i>Select one of the following recommendations regarding the site:</i> <ul style="list-style-type: none"> <li>• <i>Under effective management, no more support needed for the site</i></li> <li>• <i>Further support to implement prior activities in SCS SAP Project (list of priorities)</i></li> <li>• <i>Replace by another site or cancel: Please provide justifications</i></li> </ul>
<b>Danzhou</b>	
Improvement of site management	<i>Is there any new management plan or regulation established at the site, YES/NO? Mention type and year established.</i>
	<i>Who is responsible for day-today management of the site? Mention number or persons.</i>
	<i>Is management and enforcement adequate/weak/lacking?</i>
Participation engagement	<i>Is there a mechanism to engage participation of communities, private sector, foundations, NGOs in conservation and sustainable use. YES/NO? If yes, describe</i>
Rehabilitation	<i>Have any actions been undertaken for the wetland rehabilitation at the site. YES/NO? If yes, describe actions and number of hectares rehabilitated.</i>
Monitoring and trends of changes	<i>Has the site been monitored? YES/NO If yes, please describe monitoring design (ecological &amp; socio-economic indicators), monitoring practices and trends of changes related to habitat degradation and loss as well as influences to local community</i>
National initiatives and Projects	<i>Have any national initiatives and/or projects been executed at the site? YES/NO? If yes, please mention initiative project, dates executed and budget (if available). Plus any key references, reports on achievements.</i>
Fund raising and sustainable financial mechanisms	<i>Please outline budget sources for activities and any mechanism developed to sustain long term funding</i>
Recommendation	<i>Select one of the following recommendations regarding the site:</i> <ul style="list-style-type: none"> <li>• <i>Under effective management, no more support needed for the site</i></li> <li>• <i>Further support to implement prior activities in SCS SAP Project (list of priorities)</i></li> </ul>

	<ul style="list-style-type: none"> <li>• <i>Replace by another site or cancel: Please provide justifications</i></li> </ul>
	<b>Hepu</b>
Improvement of site management	<p><i>Is there any new management plan or regulation established at the site. YES/NO? Mention type and year established.</i></p> <p><i>Who is responsible for day-to-day management of the site? Mention number or persons.</i></p> <p><i>Is management and enforcement adequate/weak/lacking?</i></p>
Participation engagement	<p><i>Is there a mechanism to engage participation of communities, private sector, foundations, NGOs in conservation and sustainable use. YES/NO? If yes, describe</i></p>
Rehabilitation	<p><i>Have any actions been undertaken for the wetland rehabilitation at the site. YES/NO? If yes, describe actions and number of hectares rehabilitated.</i></p>
Monitoring and trends of changes	<p><i>Has the site been monitored? YES/NO</i></p> <p><i>If yes, please describe monitoring design (ecological &amp; socio-economic indicators), monitoring practices and trends of changes related to habitat degradation and loss as well as influences to local community</i></p>
National initiatives and Projects	<p><i>Have any national initiatives and/or projects been executed at the site? YES/NO? If yes, please mention initiative project, dates executed and budget (if available). Plus any key references, reports on achievements.</i></p>
Fund raising and sustainable financial mechanisms	<p><i>Please outline budget sources for activities and any mechanism developed to sustain long term funding</i></p>
Recommendation	<p><i>Select one of the following recommendations regarding the site:</i></p> <ul style="list-style-type: none"> <li>• <i>Under effective management, no more support needed for the site</i></li> <li>• <i>Further support to implement prior activities in SCS SAP Project (list of priorities)</i></li> <li>• <i>Replace by another site or cancel: Please provide justifications</i></li> </ul>

In addition to the wetland management at the priority sites of the SAP, additional key achievements towards the SCS SAP outcomes and outputs shall be reported.

**Table 8. China - Key achievements towards the SCS SAP implementation**

<b>Regional outputs</b>	<b>Implication at the national level</b>	<b>Details at sites</b>
1.4.1 Integrated management plans developed and under implementation for at least 1 lagoon (218 ha), 2 estuaries (13,866 ha), 3 tidal flats (6,192 ha)	<i>Total area (ha) under management by each wetland type</i>	<i>List by roster site name, type &amp; area under management</i>
1.4.2 Declaration of wetland areas with protection status (i.e. non-hunting area, nature reserves, protected areas, Ramsar Sites)	<i>Number of wetland areas where protection status was declared</i>	<i>Site name, type and relevant area (ha)</i>
1.4.3 Adoption of a regional estuary monitoring scheme and its national implementation	<i>Number of site where monitoring was conducted</i>	<i>Site names</i>

## 2.3. INDONESIA

### Wetland targets in Indonesia based on 2008 SAP

As indicated in the project which was approved for SAP implementation, one wetland site was proposed for Indonesia as seen in the table below with the total area around 387,500 ha.

**Table 9. Indonesia - Proposed wetland sites from 2008 SAP**

<i>Site name</i>	<i>Wetland area (ha)</i>	<i>Wetland category</i>
Sembilang	387,500	Estuary

### Summary of activities and outputs of the period 2008-2021

**Table 10. Indonesia - Changes in management and restoration of key agreed sites since 2008**

	<b>Sembilang</b>
Improvement of site management	<p><i>Is there any new management plan or regulation established at the site, YES/NO? Mention type and year established.</i></p> <p><i>Who is responsible for day-to-day management of the site? Mention number or persons.</i></p> <p><i>Is management and enforcement adequate/weak/lacking?</i></p>
Participation engagement	<p><i>Is there a mechanism to engage participation of communities, private sector, foundations, NGOs in conservation and sustainable use. YES/NO? If yes, describe</i></p>
Rehabilitation	<p><i>Have any actions been undertaken for the wetland rehabilitation at the site. YES/NO? If yes, describe actions and number of hectares rehabilitated.</i></p>
Monitoring and trends of changes	<p><i>Has the site been monitored? YES/NO</i></p> <p><i>If yes, please describe monitoring design (ecological &amp; socio-economic indicators), monitoring practices and trends of changes related to habitat degradation and loss as well as influences to local community</i></p>
National initiatives and Projects	<p><i>Have any national initiatives and/or projects been executed at the site? YES/NO? If yes, please mention initiative project, dates executed and budget (if available). Plus any key references, reports on achievements.</i></p>
Fund raising and sustainable financial mechanisms	<p><i>Please outline budget sources for activities and any mechanism developed to sustain long term funding</i></p>
Recommendation	<p><i>Select one of the following recommendations regarding the site:</i></p> <ul style="list-style-type: none"> <li><i>• Under effective management, no more support needed for the site</i></li> <li><i>• Further support to implement prior activities in SCS SAP Project (list of priorities)</i></li> <li><i>• Replace by another site or cancel: Please provide justifications</i></li> </ul>

In addition to the wetland management at the priority sites of the SAP, additional key achievements towards the SCS SAP outcomes and outputs shall be reported.

**Table 11. Indonesia - Key achievements towards the SCS SAP implementation**

<b>Regional outputs</b>	<b>Implication at the national level</b>	<b>Details at sites</b>
1.4.1 Integrated management plans developed and under implementation for 1 estuary (387,500 ha)	<i>Total area (ha) under management by each wetland type</i>	<i>List by roster site name, type &amp; area under management</i>
1.4.2 Declaration of wetland areas with protection status (i.e. non-hunting area, nature reserves, protected areas, Ramsar Sites)	<i>Number of wetland areas where protection status was declared</i>	<i>Site name, type and relevant area (ha)</i>
1.4.3 Adoption of a regional estuary monitoring scheme and its national implementation	<i>Number of site where monitoring was conducted</i>	<i>Site names</i>

## 2.4. PHILIPPINES

### Wetland targets in the Philippines based on 2008 SAP

As indicated in the project which was approved for SAP implementation, 3 wetland sites were proposed for the Philippines as seen in the table below with the total area around 54,515 ha.

**Table 12. Philippines - Proposed wetland sites from 2008 SAP**

<i>Site name</i>	<i>Wetland area (ha)</i>	<i>Wetland category</i>
Malampaya Sound	24,500	Estuary
Pansipit River Estuary	15	Estuary
Manila Bay Tidal Flat	30,000	Tidal flat
<b>TOTAL PHILIPPINES</b>	<b>54,515</b>	

### Summary of activities and outputs of the period 2008-2021

**Table 13. Philippines - Changes in management and restoration of key agreed sites since 2008**

	<b>Malampaya Sound</b>
Improvement of site management	<i>Is there any new management plan or regulation established at the site, YES/NO? Mention type and year established.</i>
	<i>Who is responsible for day-to-day management of the site? Mention number or persons.</i>
	<i>Is management and enforcement adequate/weak/lacking?</i>
Participation engagement	<i>Is there a mechanism to engage participation of communities, private sector, foundations, NGOs in conservation and sustainable use. YES/NO? If yes, describe</i>
Rehabilitation	<i>Have any actions been undertaken for the wetland rehabilitation at the site. YES/NO? If yes, describe actions and number of hectares rehabilitated.</i>
Monitoring and trends of changes	<i>Has the site been monitored? YES/NO If yes, please describe monitoring design (ecological &amp; socio-economic indicators), monitoring practices and trends of changes related to habitat degradation and loss as well as influences to local community</i>
National initiatives and Projects	<i>Have any national initiatives and/or projects been executed at the site? YES/NO? If yes, please mention initiative project, dates executed and budget (if available). Plus any key references, reports on achievements.</i>
Fund raising and sustainable financial mechanisms	<i>Please outline budget sources for activities and any mechanism developed to sustain long term funding</i>
Recommendation	<i>Select one of the following recommendations regarding the site:</i> <ul style="list-style-type: none"> <li>• <i>Under effective management, no more support needed for the site</i></li> <li>• <i>Further support to implement prior activities in SCS SAP Project (list of priorities)</i></li> <li>• <i>Replace by another site or cancel: Please provide justifications</i></li> </ul>
	<b>Pansipik River estuary</b>
Improvement of site management	<i>Is there any new management plan or regulation established at the site. YES/NO? Mention type and year established.</i>
	<i>Who is responsible for day-to-day management of the site? Mention number or persons.</i>
	<i>Is management and enforcement adequate/weak/lacking?</i>
Participation engagement	<i>Is there a mechanism to engage participation of communities, private sector, foundations, NGOs in conservation and sustainable use. YES/NO? If yes, describe</i>

Rehabilitation	<i>Have any actions been undertaken for the wetland rehabilitation at the site. YES/NO? If yes, describe actions and number of hectares rehabilitated.</i>
Monitoring and trends of changes	<i>Has the site been monitored? YES/NO If yes, please describe monitoring design (ecological &amp; socio-economic indicators), monitoring practices and trends of changes related to habitat degradation and loss as well as influences to local community</i>
National initiatives and Projects	<i>Have any national initiatives and/or projects been executed at the site? YES/NO? If yes, please mention initiative project, dates executed and budget (if available). Plus any key references, reports on achievements.</i>
Fund raising and sustainable financial mechanisms	<i>Please outline budget sources for activities and any mechanism developed to sustain long term funding</i>
Recommendation	<i>Select one of the following recommendations regarding the site:</i> <ul style="list-style-type: none"> <li>• <i>Under effective management, no more support needed for the site</i></li> <li>• <i>Further support to implement prior activities in SCS SAP Project (list of priorities)</i></li> <li>• <i>Replace by another site or cancel: Please provide justifications</i></li> </ul>
<b>Manila Bay Tidal Flat</b>	
Improvement of site management	<i>Is there any new management plan or regulation established at the site. YES/NO? Mention type and year established.</i>
	<i>Who is responsible for day-today management of the site? Mention number or persons.</i>
	<i>Is management and enforcement adequate/weak/lacking?</i>
Participation engagement	<i>Is there a mechanism to engage participation of communities, private sector, foundations, NGOs in conservation and sustainable use. YES/NO? If yes, describe</i>
Rehabilitation	<i>Have any actions been undertaken for the wetland rehabilitation at the site. YES/NO? If yes, describe actions and number of hectares rehabilitated.</i>
Monitoring and trends of changes	<i>Has the site been monitored? YES/NO If yes, please describe monitoring design (ecological &amp; socio-economic indicators), monitoring practices and trends of changes related to habitat degradation and loss as well as influences to local community</i>
National initiatives and Projects	<i>Have any national initiatives and/or projects been executed at the site? YES/NO? If yes, please mention initiative project, dates executed and budget (if available). Plus any key references, reports on achievements.</i>
Fund raising and sustainable financial mechanisms	<i>Please outline budget sources for activities and any mechanism developed to sustain long term funding</i>
Recommendation	<i>Select one of the following recommendations regarding the site:</i> <ul style="list-style-type: none"> <li>• <i>Under effective management, no more support needed for the site</i></li> <li>• <i>Further support to implement prior activities in SCS SAP Project (list of priorities)</i></li> <li>• <i>Replace by another site or cancel: Please provide justifications</i></li> </ul>

In addition to the wetland management at the priority sites of the SAP, additional key achievements towards the SCS SAP outcomes and outputs shall be reported.

**Table 14. Philippines- Key achievements towards the SCS SAP implementation**

<b>Regional outputs</b>	<b>Implication at the national level</b>	<b>Details at sites</b>
1.4.1 Integrated management plans developed and under implementation for at least 2 estuaries (24,515 ha), 1 tidal flat (30,000 ha)	<i>Total area (ha) under management by each wetland type</i>	<i>List by roster site name, type &amp; area under management</i>
1.4.2 Declaration of wetland areas with protection status (i.e. non-hunting area, nature reserves, protected areas, Ramsar Sites)	<i>Number of wetland areas where protection status was declared</i>	<i>Site name, type and relevant area (ha)</i>

Regional outputs	Implication at the national level	Details at sites
1.4.3 Adoption of a regional estuary monitoring scheme and its national implementation	<i>Number of site where monitoring was conducted</i>	<i>Site names</i>

## 2.5. THAILAND

### Wetland targets in Thailand based on 2008 SAP

As indicated in the project which was approved for SAP implementation, 2 wetland sites were proposed for Thailand as seen in the table below with the total area around 55,508 ha.

**Table 15. Thailand – Proposed wetland sites from 2008 SAP**

Site name	Wetland area (ha)	Wetland category
Wetlands in Thale Noi Wildlife Non-Hunting Area	45,700	Peat Swamp
Khao Sam Roi Yot National Park	9,808	Non-peat Swamp
<b>TOTAL THAILAND</b>	<b>55,508</b>	

### Summary of activities and outputs of the period 2008-2021

**Table 16. Thailand - Changes in management and restoration of key agreed sites since 2008**

	<b>Thale Noi</b>
Improvement of site management	<i>Is there any new management plan or regulation established at the site, YES/NO? Mention type and year established.</i>
	<i>Who is responsible for day-to-day management of the site? Mention number or persons. Is management and enforcement adequate/weak/lacking?</i>
Participation engagement	<i>Is there a mechanism to engage participation of communities, private sector, foundations, NGOs in conservation and sustainable use. YES/NO? If yes, describe</i>
Rehabilitation	<i>Have any actions been undertaken for the wetland rehabilitation at the site. YES/NO? If yes, describe actions and number of hectares rehabilitated.</i>
Monitoring and trends of changes	<i>Has the site been monitored? YES/NO If yes, please describe monitoring design (ecological &amp; socio-economic indicators), monitoring practices and trends of changes related to habitat degradation and loss as well as influences to local community</i>
National initiatives and Projects	<i>Have any national initiatives and/or projects been executed at the site? YES/NO? If yes, please mention initiative project, dates executed and budget (if available). Plus any key references, reports on achievements.</i>
Fund raising and sustainable financial mechanisms	<i>Please outline budget sources for activities and any mechanism developed to sustain long term funding</i>
Recommendation	<i>Select one of the following recommendations regarding the site:</i> <ul style="list-style-type: none"> <li>• <i>Under effective management, no more support needed for the site</i></li> <li>• <i>Further support to implement prior activities in SCS SAP Project (list of priorities)</i></li> <li>• <i>Replace by another site or cancel: Please provide justifications</i></li> </ul>
	<b>Khao Sam Roi Yot</b>
	<i>Is there any new management plan or regulation established at the site. YES/NO? Mention type and year established.</i>

Improvement of site management	<i>Who is responsible for day-to-day management of the site? Mention number or persons. Is management and enforcement adequate/weak/lacking?</i>
Participation engagement	<i>Is there a mechanism to engage participation of communities, private sector, foundations, NGOs in conservation and sustainable use. YES/NO? If yes, describe</i>
Rehabilitation	<i>Have any actions been undertaken for the wetland rehabilitation at the site. YES/NO? If yes, describe actions and number of hectares rehabilitated.</i>
Monitoring and trends of changes	<i>Has the site been monitored? YES/NO If yes, please describe monitoring design (ecological &amp; socio-economic indicators), monitoring practices and trends of changes related to habitat degradation and loss as well as influences to local community</i>
National initiatives and Projects	<i>Have any national initiatives and/or projects been executed at the site? YES/NO? If yes, please mention initiative project, dates executed and budget (if available). Plus any key references, reports on achievements.</i>
Fund raising and sustainable financial mechanisms	<i>Please outline budget sources for activities and any mechanism developed to sustain long term funding</i>
Recommendation	<i>Select one of the following recommendations regarding the site:</i> <ul style="list-style-type: none"> <li>• <i>Under effective management, no more support needed for the site</i></li> <li>• <i>Further support to implement prior activities in SCS SAP Project (list of priorities)</i></li> <li>• <i>Replace by another site or cancel: Please provide justifications</i></li> </ul>

In addition to the wetland management at the priority sites of the SAP, additional key achievements towards the SCS SAP outcomes and outputs shall be reported.

**Table 17. Thailand - Key achievements towards the SCS SAP implementation**

<b>Regional outputs</b>	<b>Implication at the national level</b>	<b>Details at sites</b>
1.4.1 Integrated management plans developed and under implementation for at least 1 peat swamp (45,700 ha) and 1 non-peat swamp (9,808 ha)	<i>Total area (ha) under management by each wetland type</i>	<i>List by roster site name, type &amp; area under management</i>
1.4.2 Declaration of wetland areas with protection status (i.e. non-hunting area, nature reserves, protected areas, Ramsar Sites)	<i>Number of wetland areas where protection status was declared</i>	<i>Site name, type and relevant area (ha)</i>
1.4.3 Adoption of a regional estuary monitoring scheme and its national implementation	<i>Number of site where monitoring was conducted</i>	<i>Site names</i>

## 2.6. VIET NAM

### Wetland targets in Vietnam based on 2008 SAP

As indicated in the project which was approved for SAP implementation, 6 wetland sites were proposed for Viet Nam as seen in the table below with the total area around 283,848 ha.

**Table 18. Viet Nam – Proposed wetland sites from 2008 SAP**

<i>Site name</i>	<i>Wetland area (ha)</i>	<i>Wetland category</i>
Balat Estuary	26,397	Estuary

<i>Site name</i>	<i>Wetland area (ha)</i>	<i>Wetland category</i>
Tien River Estuary	100,691	Estuary
Dong Nai River Estuary	49,711	Estuary
Tien Yen Estuary	24,738	Estuary
Tam Giang-Cau Hai Lagoon	21,600	Lagoon
Ca Mau Southwest Tidal Flat	60,711	Tidal flat
<b>TOTAL VIET NAM</b>	<b>283,848</b>	

## Summary of activities and outputs of the period 2008-2021

**Table 19. Viet Nam - Changes in management and restoration of key agreed sites since 2008**

	<b>Balat Estuary</b>
Improvement of site management	<i>Is there any new management plan or regulation established at the site, YES/NO? Mention type and year established.</i>
	<i>Who is responsible for day-today management of the site? Mention number or persons.</i>
	<i>Is management and enforcement adequate/weak/lacking?</i>
Participation engagement	<i>Is there a mechanism to engage participation of communities, private sector, foundations, NGOs in conservation and sustainable use. YES/NO? If yes, describe</i>
Rehabilitation	<i>Have any actions been undertaken for the wetland rehabilitation at the site. YES/NO? If yes, describe actions and number of hectares rehabilitated.</i>
Monitoring and trends of changes	<i>Has the site been monitored? YES/NO If yes, please describe monitoring design (ecological &amp; socio-economic indicators), monitoring practices and trends of changes related to habitat degradation and loss as well as influences to local community</i>
National initiatives and Projects	<i>Have any national initiatives and/or projects been executed at the site? YES/NO? If yes, please mention initiative project, dates executed and budget (if available). Plus any key references, reports on achievements.</i>
Fund raising and sustainable financial mechanisms	<i>Please outline budget sources for activities and any mechanism developed to sustain long term funding</i>
Recommendation	<i>Select one of the following recommendations regarding the site:</i> <ul style="list-style-type: none"> <li>• <i>Under effective management, no more support needed for the site</i></li> <li>• <i>Further support to implement prior activities in SCS SAP Project (list of priorities)</i></li> <li>• <i>Replace by another site or cancel: Please provide justifications</i></li> </ul>
	<b>Tien River Estuary</b>
Improvement of site management	<i>Is there any new management plan or regulation established at the site. YES/NO? Mention type and year established.</i>
	<i>Who is responsible for day-today management of the site? Mention number or persons.</i>
	<i>Is management and enforcement adequate/weak/lacking?</i>
Participation engagement	<i>Is there a mechanism to engage participation of communities, private sector, foundations, NGOs in conservation and sustainable use. YES/NO? If yes, describe</i>
Rehabilitation	<i>Have any actions been undertaken for the wetland rehabilitation at the site. YES/NO? If yes, describe actions and number of hectares rehabilitated.</i>
Monitoring and trends of changes	<i>Has the site been monitored? YES/NO If yes, please describe monitoring design (ecological &amp; socio-economic indicators), monitoring practices and trends of changes related to habitat degradation and loss as well as influences to local community</i>
National initiatives and Projects	<i>Have any national initiatives and/or projects been executed at the site? YES/NO?</i>



	<i>If yes, please mention initiative project, dates executed and budget (if available). Plus any key references, reports on achievements.</i>
Fund raising and sustainable financial mechanisms	<i>Please outline budget sources for activities and any mechanism developed to sustain long term funding</i>
Recommendation	<p><i>Select one of the following recommendations regarding the site:</i></p> <ul style="list-style-type: none"> <li><i>• Under effective management, no more support needed for the site</i></li> <li><i>• Further support to implement prior activities in SCS SAP Project (list of priorities)</i></li> <li><i>• Replace by another site or cancel: Please provide justifications</i></li> </ul>
<b>Dong Nai River estuary</b>	
Improvement of site management	<p><i>Is there any new management plan or regulation established at the site. YES/NO?</i>  <i>Mention type and year established.</i></p> <p><i>Who is responsible for day-today management of the site?</i>  <i>Mention number or persons.</i>  <i>Is management and enforcement adequate/weak/lacking?</i></p>
Participation engagement	<p><i>Is there a mechanism to engage participation of communities, private sector, foundations, NGOs in conservation and sustainable use. YES/NO?</i>  <i>If yes, describe</i></p>
Rehabilitation	<p><i>Have any actions been undertaken for the wetland rehabilitation at the site. YES/NO?</i>  <i>If yes, describe actions and number of hectares rehabilitated.</i></p>
Monitoring and trends of changes	<p><i>Has the site been monitored? YES/NO</i>  <i>If yes, please describe monitoring design (ecological &amp; socio-economic indicators), monitoring practices and trends of changes related to habitat degradation and loss as well as influences to local community</i></p>
National initiatives and Projects	<p><i>Have any national initiatives and/or projects been executed at the site? YES/NO?</i>  <i>If yes, please mention initiative project, dates executed and budget (if available). Plus any key references, reports on achievements.</i></p>
Fund raising and sustainable financial mechanisms	<i>Please outline budget sources for activities and any mechanism developed to sustain long term funding</i>
Recommendation	<p><i>Select one of the following recommendations regarding the site:</i></p> <ul style="list-style-type: none"> <li><i>• Under effective management, no more support needed for the site</i></li> <li><i>• Further support to implement prior activities in SCS SAP Project (list of priorities)</i></li> <li><i>• Replace by another site or cancel: Please provide justifications</i></li> </ul>
<b>Tien Yen estuary</b>	
Improvement of site management	<p><i>Is there any new management plan or regulation established at the site. YES/NO?</i>  <i>Mention type and year established.</i></p> <p><i>Who is responsible for day-today management of the site?</i>  <i>Mention number or persons.</i>  <i>Is management and enforcement adequate/weak/lacking?</i></p>
Participation engagement	<p><i>Is there a mechanism to engage participation of communities, private sector, foundations, NGOs in conservation and sustainable use. YES/NO?</i>  <i>If yes, describe</i></p>
Rehabilitation	<p><i>Have any actions been undertaken for the wetland rehabilitation at the site. YES/NO?</i>  <i>If yes, describe actions and number of hectares rehabilitated.</i></p>
Monitoring and trends of changes	<p><i>Has the site been monitored? YES/NO</i>  <i>If yes, please describe monitoring design (ecological &amp; socio-economic indicators), monitoring practices and trends of changes related to habitat degradation and loss as well as influences to local community</i></p>
National initiatives and Projects	<p><i>Have any national initiatives and/or projects been executed at the site? YES/NO?</i>  <i>If yes, please mention initiative project, dates executed and budget (if available). Plus any key references, reports on achievements.</i></p>
Fund raising and sustainable financial mechanisms	<i>Please outline budget sources for activities and any mechanism developed to sustain long term funding</i>
Recommendation	<p><i>Select one of the following recommendations regarding the site:</i></p> <ul style="list-style-type: none"> <li><i>• Under effective management, no more support needed for the site</i></li> <li><i>• Further support to implement prior activities in SCS SAP Project (list of priorities)</i></li> <li><i>• Replace by another site or cancel: Please provide justifications</i></li> </ul>

<b>Tam Giang Lagoon</b>	
Improvement of site management	<i>Is there any new management plan or regulation established at the site. YES/NO? Mention type and year established.</i>
	<i>Who is responsible for day-today management of the site? Mention number or persons. Is management and enforcement adequate/weak/lacking?</i>
Participation engagement	<i>Is there a mechanism to engage participation of communities, private sector, foundations, NGOs in conservation and sustainable use. YES/NO? If yes, describe</i>
Rehabilitation	<i>Have any actions been undertaken for the wetland rehabilitation at the site. YES/NO? If yes, describe actions and number of hectares rehabilitated.</i>
Monitoring and trends of changes	<i>Has the site been monitored? YES/NO If yes, please describe monitoring design (ecological &amp; socio-economic indicators), monitoring practices and trends of changes related to habitat degradation and loss as well as influences to local community</i>
National initiatives and Projects	<i>Have any national initiatives and/or projects been executed at the site? YES/NO? If yes, please mention initiative project, dates executed and budget (if available). Plus any key references, reports on achievements.</i>
Fund raising and sustainable financial mechanisms	<i>Please outline budget sources for activities and any mechanism developed to sustain long term funding</i>
Recommendation	<i>Select one of the following recommendations regarding the site:</i> <ul style="list-style-type: none"> <li>• <i>Under effective management, no more support needed for the site</i></li> <li>• <i>Further support to implement prior activities in SCS SAP Project (list of priorities)</i></li> <li>• <i>Replace by another site or cancel: Please provide justifications</i></li> </ul>
<b>Ca Mau Southwest Tidal Flat</b>	
Improvement of site management	<i>Is there any new management plan or regulation established at the site. YES/NO? Mention type and year established.</i>
	<i>Who is responsible for day-today management of the site? Mention number or persons. Is management and enforcement adequate/weak/lacking?</i>
Participation engagement	<i>Is there a mechanism to engage participation of communities, private sector, foundations, NGOs in conservation and sustainable use. YES/NO? If yes, describe</i>
Rehabilitation	<i>Have any actions been undertaken for the wetland rehabilitation at the site. YES/NO? If yes, describe actions and number of hectares rehabilitated.</i>
Monitoring and trends of changes	<i>Has the site been monitored? YES/NO If yes, please describe monitoring design (ecological &amp; socio-economic indicators), monitoring practices and trends of changes related to habitat degradation and loss as well as influences to local community</i>
National initiatives and Projects	<i>Have any national initiatives and/or projects been executed at the site? YES/NO? If yes, please mention initiative project, dates executed and budget (if available). Plus any key references, reports on achievements.</i>
Fund raising and sustainable financial mechanisms	<i>Please outline budget sources for activities and any mechanism developed to sustain long term funding</i>
Recommendation	<i>Select one of the following recommendations regarding the site:</i> <ul style="list-style-type: none"> <li>• <i>Under effective management, no more support needed for the site</i></li> <li>• <i>Further support to implement prior activities in SCS SAP Project (list of priorities)</i></li> <li>• <i>Replace by another site or cancel: Please provide justifications</i></li> </ul>

In addition to the wetland management at the priority sites of the SAP, additional key achievements towards the SCS SAP outcomes and outputs shall be reported.

**Table 20. Viet Nam- Key achievements towards the SCS SAP implementation**

<b>Regional outputs</b>	<b>Implication at the national level</b>	<b>Details at sites</b>
1.4.1 Integrated management plans developed and under implementation for at least 1 lagoon (21,600 ha), 4 estuaries (201,537 ha), 1 tidal flat (60,711 ha)	<i>Total area (ha) under management by each wetland type</i>	<i>List by roster site name, type &amp; area under management</i>
1.4.2 Declaration of wetland areas with protection status (i.e. non-hunting area, nature reserves, protected areas, Ramsar Sites)	<i>Number of wetland areas where protection status was declared</i>	<i>Site name, type and relevant area (ha)</i>
1.4.3 Adoption of a regional estuary monitoring scheme and its national implementation	<i>Number of site where monitoring was conducted</i>	<i>Site names</i>

## ANNEXES

### ANNEX 1 ENVIRONMENTAL INDICATORS AND SCORES FOR CRITERIA USED IN THE RANKING OF POTENTIAL PEAT AND NON-PEAT SWAMP WETLANDS DEMONSTRATION SITES. IN THE CASE OF INTER-TIDAL MUDFLATS, ESTUARIES AND COASTAL LAGOONS, THE INDICATOR “NO. OF MAMMAL SPECIES” WAS OMITTED

Environmental Indicators					
1. Area (ha) 10%					
Area 10%	100 - 10,000	10,000-50,000	50,000-100,000	100,000-150,000	> 150,000
	2%	4%	6%	8%	10%
2. Biological diversity 60%					
2.1 No. of Fish species 18%	1 - 50	51 - 100	101 - 150	151-200	> 200
	4%	7%	11%	15%	18%
2.2 No. of bird species 18%	1 - 50	51 - 100	101 - 150	151-200	> 200
	4%	7%	11%	15%	18%
2.3 No. of plant species 6%	1- 100	101-200	201-250	251-300	> 300
	1%	2%	3%	5%	6%
2.4 No. of mammal species 6%	1-10	11- 20	21 - 30	31-50	> 50
	1%	2%	3%	5%	6%
2.5 Wetland types 12%	1	2	3	4	> 5
	2%	4%	6%	10%	12%
3. Transboundary Significance 15%					
3.1 No. of migratory. Species 15%	1 - 10	11- 20	21 - 30	31-40	> 40
	3%	6%	9%	12%	15%
4. Regional/Global Significance 15%					
4.1 No. of endemic species 7%	1	2	> 3		
	2%	4%	7%		
4.2 No. of endangered. species 8%	1 - 6	7 -10	> 10		
	3%	5%	8%		

### ANNEX 2. SOCIO-ECONOMIC INDICATORS AND SCORES FOR WETLANDS BORDERING THE SOUTH CHINA SEA

Socio-Economic indicators			
1. Threats 20%			
1.1 Reversibility of External sources of change, 10%	Low	Medium	High
	2%	6%	10%
1.2 1 Reversibility of Internal source of change, 10%	Low	Medium	High
	2%	6%	10%
2. National significance 40%			
2.1 Identified as a national priority, 25%	1	2	3
	25%	15%	10%
2.2 Level of direct stakeholder involvement in management, 10%	Low	Medium	High
	2%	6%	10%
2.3 Commitments to RAMSAR, 5%	no	planned	yes
	0	3%	5%
3. Financial considerations 20%			
3.1 Potential for co financing (% of potential project budget), 20%	25	50	100
	5%	10%	20%
4. Local stakeholder involvement 20%			
4.1 Local stakeholder/community involvement	Low	Medium	High
	2%	12%	20%