

1- Identification

1.1 Project details

GEF ID	9542	SMA IPMR ID	109901
Project Short Title	NCA Thailand	Grant ID	S1-32GFL-000618
		Umoja WBS	SB-019782
Project Title	Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes		
Project Type	<input checked="" type="checkbox"/> Medium Sized Project (MSP)	Duration months	Planned 54
Parent Programme if child project	No		Age 10.0 months
GEF Focal Area(s)	Biodiversity	Completion Date	Planned -original PCA 23-Feb-27
Project Scope	<input checked="" type="checkbox"/> National		Revised - Current PCA 23-Feb-27
Region	<input checked="" type="checkbox"/> Asia Pacific	Date of CEO Endorsement/Approval	17-Mar-22
Countries	Thailand	UNEP Project Approval Date (on Decision Sheet)	17-Mar-22
GEF financing amount	USD 2,000,000	Start of Implementation (PCA entering into force)	23-Aug-22
Co-financing amount		Date of First Disbursement	23-Aug-22
		Date of Inception Workshop, if available	9-Feb-23
Total disbursement as of 30 June	USD 88,978.63	Midterm undertaken?	<input checked="" type="checkbox"/> No
Total expenditure as of 30 June	USD 131,778.63	Actual Mid-term Date, if taken	N/A
		Expected Mid-Term Date, if not taken	15-Dec-24
		Expected Terminal Evaluation Date	30-Jun-26
		Expected Financial Closure Date	31-June-28

1.2 EA: Project description

Project description: The project will facilitate the development of a Natural Capital (NC) accounting system - based on the UN-SEEA standards - in Thailand as a tool to measure the changes in the stock of natural capital at a variety of scales, and to integrate the value of ecosystem services into the national accounting and reporting systems.

Project support will specifically focus on piloting the development of Natural Capital Accounts (NCAs) linked to the national satellite accounts for the water resources and the tourism sectors in Thailand. The inter-dependencies of each sector on the natural capital, and associated ecosystem services, will be assessed under the project.

The project will further support the process of incorporating the value of the natural capital stocks, as well as the ecosystem services that flow from these stocks, into public and private policies and decision-making processes for the tourism and water resource sectors.

Project goal: To mainstream biodiversity into national, regional, and sectoral development strategies, actions and plans in Thailand.

Project objective: To alleviate threats to biodiversity and ecosystem services in critical production landscapes in Thailand by integrating values of forests and other Natural Capital into policies and operations of key economic sectors.

Executing agency: Ministry of Natural Resources and Environment (Office of Natural Resources and Environmental Policy and Planning)

Main government: Ministry of Natural Resources and Environment (MNRE) and Ministry of Tourism and Sports: MOTS

Other partners involved: Geo-Informatics and Space Technology Development Agency (Public Organization) (GISTDA), National Statistical Office (NSO), Office of the National Economic and Social Development Council (NESDC), Department of Tourism (DOT), Department of Water Resources (DWR), Department of Groundwater Resources (DGR), Department of National Parks and Wildlife (DNP), Biodiversity-Based Economic Development Organization (BEDO), National Science and Technology Development Agency (NSTDA)

Component 1: of the project will be implemented at the National level, and seeks to: (i) develop a broad conceptual design of, and road map for, introducing a natural capital accounting system in Thailand; (ii) assess the inter-dependencies of the tourism sector and water resources on NC and ecosystem services; (iii) support the integration, at a national level, of NC information to national tourism and water resources satellite accounts; (iii) initiate the process of aligning the emerging NC information to the national water resources and tourism sector policy, planning and budgeting procedures; and (iv) start the process of introducing one viable market-based instrument for NC conservation into the national policy mix.

Targeted Outcome: Increased national political commitment to reducing the impacts of production sectors on natural resources, based on knowledge, systems and policy capturing the economic value of natural capital.

Component 2: of the project will be implemented at the provincial level (Krabi Province), and directed at the tourism sector and water resources in the province, focusing on the Krabi watershed and on nearshore marine and coastal ecosystems. Work under this component seeks to: (i) pilot the development of provincial NCAs for the tourism sector and water resources; (ii) strengthen the enabling provincial and local government capacities to better integrate information from the provincial NCAs into regional policies, plans and budgets; and (iii) facilitate the active involvement of the private sector in mitigating environmental impacts and restoring and protecting nearshore marine and coastal ecosystems and watershed forests. **Targeted Outcome:** Improved planning, decision-making and management of natural resources in Krabi province, based on enhanced information and appreciation on the importance and economic value of functioning coastal ecosystems and intact water catchments to the tourism and water sectors.

Component 3: of the project will enable and support the implementation of the outputs under Components 1 and 2. It will be implemented at both the national and provincial level, and seeks to: (i) build the competencies, skills and knowledge of a network of public and private practitioners and policy-makers in NC accounting, and its application for public and private policies and economic decision-making; and (ii) widely communicate and share emerging information and knowledge on NC accounting, and mainstream information from NCAs into development policy and planning processes. **Targeted Outcome:** Enhanced knowledge and awareness of natural capital accounting, and its benefits, provides the foundation for building inter-sectoral and inter-institutional partnerships

1.3 Project Contact

Division(s) Implementing the project	Ecosystems Division	Executing Agency(ies)	Thailand Development Research Institute (TDRI)
Name of co-implementing Agency	NONE	Names of Other Project Partners	Office of Natural Resources and Environmental Policy and Planning (ONEP)
TM: UNEP Portfolio Manager(s)	Sitki Ersin Esen	EA: Manager/Representative	Adis Israngkura, Ph.D.
TM: UNEP Task Manager(s)	Kavita Sharma	EA: Project Manager	Mrs.Thippawan Keawmesri
TM: UNEP Budget/Finance Officer	Paul Vrontamitis	EA: Finance Manager	Ms.Athithan Chantarangsee
TM: UNEP Support/Assistant	Serah Shaiya	EA: Communications lead, if relevant	Adis Israngkura, Ph.D.

2- OVERVIEW OF PROJECT STATUS

TM: UNEP Current Subprogramme(s)

Nature Action

TM: UNEP previous Subprogramme(s)

TM: PoW Indicator(s)

(i) and (iii)

EA: UNSDCF/UNDAF linkages

The Thai Government has launched the 20 Year National Strategies (2018-2037) as the long term guidelines on national development. Among the six national strategies. This NCA project contributes to 2 out of 6 strategies, they are, 4. Social equality and equity and 5. Sustainability of national biodiversity, environmental quality and natural resources

EA: Link to relevant SDG Goals

SDG Goals:
Goal 6: Clean Water and Sanitation
Goal 14: Life below water
Goal 15: Life on Land

EA: Link to relevant SDG Targets

Goal 6: Clean Water and Sanitation
 Target 6.1 Safe and Affordable Drinking Water
 Target 6.3 Improve water Quality, wastewater treatment and safe reuse
 Target 6.4 Increase water-use efficiency and ensure freshwater supplies
 Target 6.5 Implement integrated water resources management
 Target 6.6 Protect and restore water-related ecosystems
 Target 6.8 Support local engagement in water and sanitation management
Goal 14: Life below water
 Target 14.1 Reduce marine pollution
 Target 14.2 Protect and restore ecosystems
 Target 14.4 Sustainable fishing
 Target 14.5 Conserve coastal and marine areas
 Target 14.6 End subsidies contributing to overfishing
 Target 14.7 Increase the economic benefits from sustainable use of marine resources
 Target 14.8 Increase scientific knowledge, research and technology for ocean health
 Target 14.9 Support small scale fishers
Goal 15: Life on Land
 Target 15.1 Conserve and restore terrestrial and freshwater ecosystems
 Target 15.2 End deforestation and restore degraded forests
 Target 15.3 End desertification and restore degraded land
 Target 15.4 Ensure conservation of mountain ecosystems
 Target 15.5 Protect biodiversity and natural habitats
 Target 15.6 Promote access to genetic resources and fair sharing of the benefit
 Target 15.7 Eliminate poaching and trafficking of protected species
 Target 15.8 Prevent invasive alien species on land and in water ecosystems
 Target 15.9 Integrate ecosystem and biodiversity in governmental planning
 Target 15.A Increase financial resources to conserve and sustainably use ecosystem and biodiversity
 Target 15.B Finance and incentivize sustainable forest management and
 Target 15.C Combat global poaching and trafficking.

TM: GEF core or sub indicators targeted by the project as defined at CEO Endorsement/Approval, as well as results

Indicators
marine habitat under improved practices to benefit b

Targets - Expected value		
Mid-term	End-of-project	Total Target
5000	40000	40000

Materialised to date
0

2.2. GEF

Implementation Status

2023

1st PIR

2.3 Implementation status & Risk

FY 2023

FY 2022

FY 2021

FY 2020

FY 2019

FY 2018

FY 2017

FY 2016

FY 2015

PIR #

1st PIR

Rating towards outcomes (DO)
(section 3.1)

HS

Rating towards outputs (IP)
(section 3.2)

HS

Risk rating
(section 4.2)

L

EA: Summary of status
(will be uploaded to GEF Portal)

The project has progressed as planned. The project has commissioned subcontracts to appropriate experts. The main achievements are the establishing of NWG and PWG. The challenge is to begin tabulating data into NCA excel spreadsheet, beginning with the Geographic Information System (GIS), followed by the ecosystem services, and economic valuation.

2.4 Co-finance

EA: Planned Co-finance

USD 6150000

EA: Actual to date:

0

EA: Justify progress in terms of materialization of expected co-finance. State any relevant challenges.

N/A

EA: Date of project steering committee meeting

9-Feb-23

2.5. Stakeholder

EA: Stakeholder engagement
(will be uploaded to GEF Portal)

(1) On 15 November 2022. The meeting discussed the implementation of the project "Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes" at Krabi Province with Mr. Anuwat Modepring, Deputy Governor of Krabi Province; Mr. Phattipong Sontornworn, Director of Krabi Office of Natural Resources and Environment; and staff of Krabi Office of Natural Resources and Environment. On 15-16 November 2022, survey of targeted areas to assess activities: Khao Phanom Bencha National Park, Koh Lanta National Park, Traditional fishing community Koh Klang, and Ban Thung Yee Peng Ecotourism Community Enterprises, Krabi Province.

(2) One project steering committee meeting (PSC) was conducted on 9 February 2023 . The project had many attendees from the committee members. The meeting dicussed about similar studies that were carried out in Thailand. The committee members were willing to collaborate with this project. A challenge is to carry out this NCA project that has value added and can be effectively used for policy formulation. Participants in the meeting were representatives from government agencies, including Department of Marine and Coastal Resource, Department of Water Resource, Royal Forest Department, Department of Environmental Quality Promotion, Department of National Parks, Wildlife and Plant Conservation, Department of Tourism, Department of Land Development, National Statistical Office, Office of the National Economic and Social Development Council, National Science and Technology Development Agency, Biodiversity-based Economy Development Office (Public Organization), Tourism Authority of Thailand, United Nations Environment. Programme, Provincial Offices for Natural Resources and Environment Krabi and Krabi Provincial.

(3) Focus Group on "The Conceptual Framework for National Natural Capital Accounting" was conducted on 13 June 2023. The Meeting discussed and listened to suggestions on the conceptual framework for the preparation of Natural Capital Accounting (NCA) with a focus on the tourism sector and the water resources sector and a roadmap to lead the integration of natural capital into policy formulation and implementation of key economic sectors, both at the local and national levels. Participants in the meeting were representatives from government agencies, the private sector, international organizations and experts including National Science and Technology Development Agency (NSTDA), National Statistical Office (NSO), Office of the National Economics and Social Development Council (NESDC), Department of Tourism (DOT), Geo-Informatics and Space Technology Development Agency (Public Organization) (GISTDA), Kasetsart University, Ramkhamhaeng University, National Institute of Development Administration (NIDA) and UNEP.

(4) One the inter-agency provincial working Group (PWG) on "Working group for natural cost accounting system in tourism sector and water management sector Krabi Province No. 1/2023" was conducted on 3 July 2023 . The project had many attendees from the committee members. The meeting dicussed about similar studies that were carried out in Thailand. The committee members were willing to collaborate with this project. A challenge is to carry out this NCA project that has value added and can be effectively used for policy formulation. Participants in the meeting were representatives from government agencies, the private sector, NGOs in Krabi Province, including Deputy Governor of Krabi Province, Krabi provincial government, Krabi MNRE, Krabi Community Development Office, Krabi Provincial Office of Tourism and Sports, Krabi Provincial Office of Tourism and Sports, Krabi Provincial Office of Tourism and Sports, Krabi Department of Public Works and Town & Country Planning, Krabi Department of Fisheries, Krabi Ministry of Agriculture and Cooperatives, Krabi Land Development Station, Krabi Provincial Irrigation Project, Krabi Statistics Office, Tourism Authority of Thailand Krabi branch, Academics (Faculty of Tourism Industry) Krabi Technical College, Provincial Waterworks Authority Krabi branch, Provincial Waterworks Authority Krabi branch, Provincial Waterworks Aow Luek district , Krabi Provincial Administration Organisation, The Federation of Krabi Industries, Krabi Chamber of Commerce, Krabi Tourism Business Association, Krabi Hotels Association and Krabi Natural Resources and Environmental Protection Volunteer Network.

TM: Does the project have a gender action plan?

No

2.6. Gender

EA: Gender mainstreaming
(will be uploaded to GEF Portal)

The project plans to involve gender issue when designing economic instrument for managing the natural capital in Krabi province.

- (1) The Project has 16 professional staff who are expert in specific area. From 16 professional staff in our team 7 of them are women (approximately 44% women).
- (2) Project steering committee (PSC) established from all relevant sectors, there are 20 representatives in total, 11 of whom are women (approximately 55% women).
- (3) The inter-agency provincial working Group (PWG) established from all relevant sectors in Krabi, there are 33 representatives in total, 15 of whom are women (approximately 45% women).
- (4) Focus Group on "The Conceptual Framework for National Natural Capital Accounting" was conducted on 13 June 2023. Participants in the meeting were representatives from government agencies, the private sector, international organizations and experts totaling 24 people, 15 of whom were women. (approximately 63% women).
- (5) The Project engaged with 2 government agencies in Krabi province during 15-16 November 2022. The meeting at Khao Phanom Bencha National Park, Muang District, Krabi Province, there were 3 officers and 2 of the officer attended were woman officer. and the meeting at Koh Lanta National Park, Koh Lanta District, Krabi Province, with 8 officers attending the meeting, all of them women.
- (6) The Project visited 2 local communities in Krabi province during 15-16 November 2022. At Traditional fishing community, Koh Klang, Khlong Prasong Subdistrict, Krabi Province, with 5 women representatives came to collaborate with the project. At Tung Yee Peng Ecotourism Community Enterprise, Krabi Province, with 3 women representatives participating in the project.
- (7) The Project contracted coordination company to manage activity in Krabi province. The coordination company is represented by a woman coordinator.

TM: Was the project classified as moderate/high risk at CEO Endorsement/Approval Stage?



No

TM: If yes, what specific safeguard risks were identified in the SRIF/ESERN?

TM: Have any new social and/or environmental risks been identified during the reporting period?



No

TM: If yes, please describe the new risks, or changes

TM & EA: Has the project received complaints related to social and/or environmental impacts (actual or potential) during the reporting period?



No

TM & EA: If yes, please describe the complaint(s) or grievance(s) in detail including

2.7. ESSM

EA: Environmental and social safeguards management
(will be uploaded to GEF Portal)

The project takes precautions regarding environmental and social risk when executing activities, namely, when conducting meeting with committee members, the project also takes precautions when making field visit to Krabi province.

A. Summary of the Safeguard Risks Triggered
Safeguard Standard Triggered by the Project

(1) SS 1: Biodiversity, natural habitat and Sustainable Management of Living Resources, Impact of Risk (1-5)=1, Probability of Risk (1-5)=1, Significance of Risk (L, M, H)=L

(2) SS 2: Resource Efficiency, Pollution Prevention and Management of Chemicals and Wastes, Impact of Risk (1-5)=1, Probability of Risk (1-5)=1, Significance of Risk (L, M, H)=L

(3) SS 3: Safety of Dams, Impact of Risk (1-5)=1, Probability of Risk (1-5)=1, Significance of Risk (L, M, H)=L

(4) SS 4: Involuntary resettlement, Impact of Risk (1-5)=1, Probability of Risk (1-5)=1, Significance of Risk (L, M, H)=L

(5) SS 5: Indigenous peoples, Impact of Risk (1-5)=1, Probability of Risk (1-5)=1, Significance of Risk (L, M, H)=L

(6) SS 6: Labour and working conditions, Impact of Risk (1-5)=1, Probability of Risk (1-5)=1, Significance of Risk (L, M, H)=L

(7) SS 7: Cultural Heritage, Impact of Risk (1-5)=1, Probability of Risk (1-5)=1, Significance of Risk (L, M, H)=L

(8) SS 8: Gender equity, Impact of Risk (1-5)=1, Probability of Risk (1-5)=1, Significance of Risk (L, M, H)=L

(9) SS 9: Economic Sustainability, Impact of Risk (1-5)=3, Probability of Risk (1-5)=2, Significance of Risk (L, M, H)=M

B. ESE Screening Decision
Low risk Moderate risk High risk Additional information required

Precautionary Approach:
The project will adopt precautionary measures even if some cause and effect relationships are not fully established scientifically and there is risk of causing harm to the people or to the environment.

Human Rights Principle:

- The project will, as far as is possible, include any potentially affected stakeholders - particularly vulnerable and marginalized groups - in the decision-making processes that may affect them.
- The project will respond to any significant concerns or disputes raised during the stakeholder engagement process.
- The project will try to avoid inequitable or discriminatory negative impacts on the quality of, and access to, resources or basic services used by affected populations, particularly people living in poverty or marginalized or excluded individuals or groups.

2.8. KM/Learning

EA: Knowledge activities and products
(will be uploaded to GEF Portal)

None

Please attach a copy of any products

EA: Main learning during the period

Local communities are eager to see the implementation of economic instrument as it will help improve their livelihood.

2.9. Stories

EA: Stories to be shared
(section to be shared with communication division/
GEF communication)

The project was approached by the Bird Watching group of Krabi province asking for future collaboration. The NCA project will benefit from the Bird Watching group as bird watching is an import tourist attraction in Krabi province, therefore future collaboration with them will be of mutual benefits.

3. RATING PROJECT PERFORMANCE

3.1 Rating of progress towards achieving the project outcomes (Development Objectives)

Project objective and Outcomes	Indicator	Baseline level	Mid-Term Target or Milestones	End of Project Target	Progress as of current period (numeric, percentage, or binary entry only)	EA: Summary by the EA of attainment of the indicator & target as of 30 June	TM: Progress rating
Objective							
To alleviate threats to biodiversity and ecosystem services in critical production landscapes in Thailand by integrating values of forests and other Natural Capital into policies and operations of key		N/A	N/A	N/A	N/A	N/A	
Outcome 1							
Increased national political commitment to reducing the impacts of production sectors on natural resources, based on knowledge, systems and policy capturing the economic value of natural capital	Number of production sectors that have developed targets for, and are now implementing plans towards, reducing their impacts on natural capital stocks, and the ecosystem services that flow from these stocks into the local economy	0	1 (tourism)	1 (tourism) & 1 (water services)	5%	Prepared "The National framework for NC accounting in Thailand" and the short-term roadmap (2-3 years) for the development of NCA and organize a expert focus group meeting to present Draft the 'National framework for NC accounting in Thailand' and the short-term roadmap (2-3 years) for the development of NCA.	S
	Government's annual "Appropriation for environmental protection", as a % of the Total National Budget	< 0.3	~ 0.3	> 0.3	0%		S
	Number of new/ revised national and corporate policies, plans or strategies that: (i) Endorse green GDP reporting (ii) Reduce the impacts of tourism and water use on NC and ecosystem services (iii) Remove "perverse incentives" (iv) Promote the development of a new market-based instrument that will enhance biodiversity and ecosystem services	(i) N/A (ii) N/A (iii) N/A (iv) N/A	(i) 1 (ii) 2 (iii) 0 (iv) 1	(i) 2 (ii) 4 (iii) 2 (iv) 1	0%		S
	National Medium-Term Expenditure Framework (MTEF) and Thailand's 13 th National Economic and Social Development Plan (NESDP, 2023-2027) incorporate emerging NC values and information from the water and tourism satellite accounts	N/A	Agreement reached on collaboration and project support (NC aspects) to the drafting of the MTEF and the NESDP 2023-2027 through ONEP and NESDB	Drafts of the MTEF and the NESDP 2023-2027 incorporate NC values and set targets to reduce the impact of the water and tourism sectors - facilitated by the project	0%		S
Outcome 2							
	Number of new/ revised provincial government and local corporate and business policies, plans or strategies that: (i) Endorse green GDP reporting (ii) Reduce the impacts of tourism and water use on NC and ecosystem services (iii) Remove „perverse incentives“ (iv) Promote the development of a new market-based instrument that will enhance biodiversity and ecosystem services	(i) N/A (ii) N/A (iii) N/A (iv) N/A	(i) 1 (ii) 4 (iii) 2 (iv) 1	(i) 1 (ii) 4 (iii) 2 (iv) 1	0%		S

Improved planning, decision-making and management of natural resources in Krabi province, based on enhanced information and appreciation on the importance and economic value of functioning coastal ecosystems and intact water catchments to the tourism and water sectors	Number of additional local private/corporate sector tourism and/or water users in the Krabi province that make provision for, and/or actively implement measures to, mitigate the environmental impacts of their operations on coastal ecosystems, water catchments and/or water use	N/A	2	> 5	0%		S
	Provincial Medium-Term Expenditure Framework (MTEF) and Provincial Development Plan (PDP) incorporate NCA information from the water and tourism satellite accounts	None NC- aspects included	Agreement reached on collaboration and project support (NC aspects) to the drafting of the Provincial MTEF and PDP	Drafts of the Provincial MTEF and PDP incorporate NC values and set targets to reduce the impact of the water and tourism sectors - facilitated by the project	0%		S
	Number of provincial EIAs that assess the financial impacts of large-scale developments on ecosystems and ecosystem services	0	1	> 4	0%		S
	Number of local districts/municipalities that adopt SEA methodologies and approaches to support the preparation of their Spatial Development Plans	0	1	> 2	0%		S
	Income (US\$) per annum to the Trust Fund from the market-based financing instrument (and from other private sector financial support)	0	> 1,000	> 10,000	0%		S
	Number of individuals (of which are women) from local villages employed to undertake conservation and restoration work in water catchments and/or nearshore marine and coastal ecosystems	0	At least 50 (>20 women)	At least 150 (>80 women)	0%		S
	Extent (ha) of water catchment areas and/or nearshore marine and coastal ecosystems being actively restored and/or conserved with funding support from the Trust Fund and GEF funds (% of women which participate in or benefit from)	0 (N/A)	>5,000 ha (at least 25% of participants and/or beneficiaries are women)	40,000 ha (at least 35% of participants and/or beneficiaries are women)	0%		S

Outcome 3

Enhanced knowledge and awareness of natural capital accounting, and its benefits, provides the foundation for building inter- sectoral and inter-	Enhanced awareness levels of Assumptions: targeted project stakeholder - The national and provincial groups on NC values, sector (i) & (ii) impacts and sector dependencies: results of knowledge institutions, research (i) key political and corporate baseline and awareness Project awareness organisations, NPOs and decision-makers and prospectivesurvey at each with at least baseline and post-private sector partners will public and targeted private sector awareness 30% of the 75% of the impact reports allow staff to actively "champions" and/or training participants participate in NC accounting (ii) other target groups, workshop surveyed training, skills development institutions and organizations and exchange programmes; (TBD)	(i) & (ii) results of baseline survey at each awareness and/or training workshop	Increase in knowledge and awareness with at least 30% of the participants surveyed	Increase in knowledge and awareness with at least 75% of the participants surveyed	5%	In the process of discussing with ONEP In selecting a media production company and jointly plan the dissemination and sharing of information about the NC Account and the NCA Mainstream. In the process of liaison to determine the scope of the fact sheets and/or poster (e.g. importance of NCA in Krabi, management of water and tourism sectors, sustainability measures, etc.) and scope of content to put in.	S
	Number of public and 10 private sector practitioners and policy-makers that have participated in the complete series of specialised training/skills development in natural capital accounting	N/A	public: > 20, private: > 10 ; both of which at least 30% women	public: 30, private: > 15 ; both of which at least 30% women	0%		S
	Number of users (per month) of the national online knowledge portal for NC accounting	0	> 50	> 100	0%		S

Indicator for building inter-sectoral and inter-institutional partnerships							
Number of decision-makers, managers, scientists, researchers and academics participating in: (i) NC accounting exchange programs (ii) international and regional NC accounting initiatives and report-back meetings	0	(i) > 4 (of which at least 2 are women) (ii) > 3 (of which at least 2 are women)	(i) > 12 (of which at least 7 are women) (ii) > 8 (of which at least 5 are women)	5%	The Project steering committee (PSC) established from all relevant sectors, there are 20 representatives in total, 11 of whom are women (approximately 55% women). The inter-agency provincial working Group (PWG) established from all relevant sectors in Krabi, there are 33 representatives in total, 15 of whom are women (approximately 45% women).	S	
Number of formal PPP agreements between government and private sector that promote collaboration on NC-friendly practices, investments and other forms of partnership	0	> 2 PPP agreements in place	> 2 MOUs/ agreements are adequately funded and are operational	0%		S	
Number of multi-sectoral programs or initiatives actively supporting the conservation and/or restoration of NC in water catchments and/or in nearshore coastal and marine ecosystems in Krabi province	0	1	> 2	0%		S	

For joint projects and where applicable ratings should also be discussed with the Task Manager of co-implementing agency.

3.2 Rating of progress implementation towards delivery of outputs (Implementation Progress)

Output	Expected completion date	Implementation status as of 30 June 2022 (%) (Towards overall project targets)	Implementation status as of 30 June 2023 (%) (Towards overall project targets)	EA: Progress rating justification, description of challenges faced and explanations for any delay	TM: Progress rating
Under Comp 1					
Output 1.1 National Framework for Natural Capital Accounting	23-Feb-27	30%	50%	Prepared "The National framework for NC accounting in Thailand" and the short-term roadmap (2-3 years) for the development of NCA and organize a expert focus group meeting to present Draft the 'National framework for NC accounting in Thailand' and the short-term roadmap (2-3 years) for the development of NCA.	S
Establish and maintain the inter-agency national working group	23-Feb-27	30%	50%	The inter-agency national working group has been established.	S
Activity 1: Establish the inter-agency national working group (NWG)	23-Feb-27	70%	100%	The inter-agency national working group has been established and the first working group meeting has been held. Meeting Minutes Project Steering Committee of the project "Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes" No. 1/2566 9 February 2023, 10.30 AM – 12.00 PM Meeting room 1002, Tipco Tower 2	S
Draft the 'National framework for NC accounting in Thailand'	31-Dec-23	5%	80%	The inter-agency national working group has been established and the first working group meeting has been held.	S
Activity 2: Develop the national framework for NCA based on the UN-SEEA standards	31-Dec-23	5%	70%	A "National framework for NC accounting in Thailand" has been prepared and a panel of experts has been organized to discuss and listen to recommendations on the conceptual framework for the preparation of Natural Capital Accounting (NCA)and the short-term roadmap (2-3 years) for the development of NCA to lead the integration of natural capital into policy formulation and implementation of key economic sectors, both at the local and national levels.	S

Activity 3: Develop short-term roadmap (2-3 years) for the development of NCA	31-Dec-23	0%	80%	On June 13, 2023 from 10.30-13.00 at the Pullman King Power Hotel, we conducted an expert focus group meeting to present Draft the 'National framework for NC accounting in Thailand' and the short-term roadmap (2-3 years) for the development of NCA. The meeting was attended by experts from government agencies, universities, organizations International totaling 25 persons.	S
Activity 4: TDRI Contract a consortium of local and international experts to assist the inter-agency working group in the iterative development of the national framework for NCA and to provide professional and technical supporting the piloting of NCAs at the provincial level	23-Feb-27	5%	20%	Online Training "Natural Capital Accounting" (16-17 March 2023 and 4-5 April 2023) under the project "Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes" By Mr. GEM BELARMINO CASTILLO, PhD International Expert in Natural Capital Accounting (NCA)	S
Raise funding to co-finance development of national water resource and tourism sector NCAs	23-Feb-27	0%	0%		S
Output 1.2 Natural Capital Account information linked to national policy, regulatory, planning and budgeting processes	23-Feb-27	0%	5%		S
Host the sectoral roundtable meetings	31-Dec-25	0%	0%		S
Assess the inter-dependencies of the tourism sector on NC and ecosystem services	31-Dec-24	0%	0%		S
Assess the inter-dependencies of the water resources sector on NC and ecosystem services	31-Dec-25	0%	0%		S
Update the National Budget policy	30-Jun-25	0%	0%		S
Opportunistically integrate emerging NC information into the national Tourism Satellite Account (TSA)	23-Feb-27	0%	0%		S
Opportunistically integrate emerging NC information into the national Water Resources Satellite Account (WRSA)	23-Feb-27	0%	0%		S
Link NC information for tourism and water resources with the development of MTEFs and the 13 th NESDB	23-Feb-27	0%	0%		S
Use NC information for tourism and water resources to lobby for an increase in state budget allocations for conservation of NC	23-Feb-27	0%	0%		S

Update the water resources and tourism-related policies, plans and regulations to improve the conservation and sustainable use of NC	23-Feb-27	0%	0%		S
Improve and strengthen EIA procedures to ensure that the financial impact of developments on NC and ecosystem services are adequately	31-Dec-25	0%	0%		S
Evaluate alternative market-based instruments, and select one viable instrument for further development	31-Dec-23	0%	20%	In the prepared process Evaluate alternative market-based instruments, and select one viable instrument for further development	S
Build political support, institutional capacity and private sector support for introducing the selected market-based instrument into the national policy mix	30-Jun-25	0%	0%		S

Under Comp 2

Output 2.1 Pilot provincial Natural Capital Accounts for the tourism sector and water resources	23-Feb-27	5%	10%	The inter-agency provincial working group for Krabi province has been established. In the process of reviewing the tourism situation and a water resources situation in Krabi Province.	S
Establish and maintain the inter-agency provincial working group for Krabi province	23-Feb-27	30%	50%	The inter-agency provincial working group for Krabi province has been established.	S
Activity 5: Establish the inter-agency provincial working group (PWG)	23-Feb-27	80%	100%	The inter-agency provincial working group for Krabi province has been established and the first working group meeting has been held.	S
Conduct a tourism situation assessment for Krabi province	31-Mar-24	0%	10%	In the process of reviewing the tourism situation in Krabi Province	S
Develop and maintain a comprehensive provincial Tourism sector NCA for Krabi province	23-Feb-27	0%	0%		S
Conduct a water resources situation assessment for Krabi province	31-Mar-24	0%	10%	In the process of reviewing a water resources situation in Krabi Province	S
Develop and maintain a comprehensive provincial Water Resources NCA for Krabi province	23-Feb-27	0%	0%		S
Output 2.2 Provincial Natural Capital Account information embedded into local government and corporate policies, plans and budgets	23-Feb-27	0%	0%		S
Annually integrate the provincial NCAs for the tourism sector and water resources in Krabi province into the national TSA and WRSA	23-Feb-27	0%	0%		S
Align the provincial NCAs for tourism and water resources with the development of the Krabi Provincial Development Plan and MTEFs for provincial government	23-Feb-27	0%	0%		S
Use provincial NCA information for tourism and water resources to lobby for an increase in provincial budget allocations for conservation of watershed and nearshore marine and coastal ecosystems in Krabi province	23-Feb-27	0%	0%		S
Promote the adoption of SEA in the preparation of municipal/district spatial development plans in Krabi province	23-Feb-27	0%	0%		S

Assist in the development and testing of EIA-based tools for assessing financial impacts of proposed developments on NC	23-Feb-27	0%	0%		S
Develop a business case for the piloting of the selected market-based instrument in Krabi province	30-Jun-24	0%	0%		S
Identify opportunities for PPPs in conserving, mitigating impacts, and restoring degraded habitats in watershed forests and coastal marine ecosystems	31-Dec-24	0%	0%		S
Assess the water tariff rates to ensure that the costs associated with the management and protection of watersheds is adequately reflected in the price	23-Feb-27	0%	0%		S
Output 2.3 Mitigating environmental impacts and restoring and protecting Natural Capital	23-Feb-27	0%	0%		S
Pilot the implementation of the selected market-based instrument in Krabi province	23-Feb-27	0%	0%		S
Establish and administer a Trust Fund to receive and disburse income generated from the implementation of the market-based instrument in Krabi province	23-Feb-27	0%	0%		S
Conserve, mitigate impacts and restore degraded habitats in watershed forests and coastal marine ecosystems (total area of 40,000 ha in Krabi province)	23-Feb-27	0%	0%		S
Develop, test and implement sustainable financing mechanisms for the GreenFins program in Krabi province	31-Dec-24	0%	0%		S
Provide technical support to the installation of small-scale wastewater treatment technologies in small-scale tourism enterprises	31-Dec-25	0%	0%		S

Under Comp 3

Output 3.1: Dissemination and sharing of information on NC accounting and mainstreaming of NCAs	23-Feb-27	2%	7%	In the process of discussing with ONEP in selecting a media production company and jointly plan the dissemination and sharing of information about the NC Account and the NCA Mainstream.	S
Lobby political and corporate decision-makers	23-Feb-27	2%	7%	The meeting discussed the implementation of the project "Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes" with Mr. Anuwat Modepring, Deputy Governor of Krabi Province; Mr. Phattipong Soontornworn, Director of Krabi Office of Natural Resources and Environment; and staff of Krabi Office of Natural Resources and Environment was conducted on 15 November 2022, Meeting Minutes Project Steering Committee of the project "Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes" No. 1/2566 was conducted on 9 February 2023, An expert focus group meeting to present Draft the 'National framework for NC accounting in Thailand' and the short-term roadmap (2-3 years) for the development of NCA was conducted on 13 June 2023, and the meeting minutes the inter-agency provincial working group (PWG) of the project "Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes" No. 1/2566, was conducted on 3 July 2023 at Krabi Province.	S
Meetings, briefings and presentations to/with target individuals/groups and institutions	23-Feb-27	2%	7%		S

Production and distribution of fact sheets, pamphlets, brochures, newsletters and media inserts	23-Feb-27	2%	7%	In the process of liaison to determine the scope of the fact sheets and/or poster (e.g. importance of NCA in Krabi, management of water and tourism sectors, sustainability measures, etc.) and scope of content to put in.	S
Project performance monitoring and reporting - Cooperating with ONEP	23-Feb-27	2%	7%	Submit a Inception report to ONEP on February 6, 2023	S
Output 3.2: Implementation of a broad-based capacity building program for NC accounting	23-Feb-27	2%	3%	Currently under discussion with ONEP in considering the selection of a website development company.	S
Develop, host and maintain an online knowledge portal	23-Feb-27	2%	3%		S
Implement a series of technical training workshops/sessions	30-Jun-26	0%	0%		S
Facilitate exchange programs for NC accounting decision-makers, manager and/or researchers	30-Jun-26	0%	0%		S
Enable the participation and involvement of decision-makers, scientists, researchers and academics in international NC accounting initiatives and meetings	30-Jun-26	0%	0%		S

The Task Manager will decide on the relevant level of disaggregation (i.e. either at the output or activity level).

<p>Low levels of cooperation and collaboration between different ministries, provincial governments, private sector and civil society organizations constrains the ongoing development of NCAs and their subsequent integration into policy, planning and budgeting processes</p>	<p>M</p>	<p>M</p>							<p>=</p>	<p>Efforts to establish and build functional working relationships with, and between, affected government agencies, prospective private sector partners, academic/research institutions and civil society organizations has already been initiated during the project preparation phase, both nationally as well as at Krabi provincial level. These working relationships will however need to be further nurtured and strengthened during the project implementation phase to ensure sustained cooperation and collaboration between the project partners. The project will thus undertake the following suite of activities during the project implementation phase to facilitate ongoing cooperation and collaboration between partner institutions, agencies and organizations.</p>
<p>Long-term government and private sector apathy leads to increasingly outdated NC information for annual incorporation into the tourism and water resources satellite accounts</p>	<p>M</p>	<p>M</p>							<p>=</p>	<p>While the long-term commitment of the government and private sector to NC accounting is beyond the immediate scope of control of the project, the short-term project investments will seek to build a firm foundation that could provide sufficient incentive and „return-on-investment“ to justify the maintenance of NCAs for the tourism and water resources sector, and conceivably the expansion of NCAs to other key production sectors (such as agriculture and mining).</p>
<p>Limited in-country knowledge of, and technical skills in, NC accounting slows the adoption and development of NC accounting processes by the public and private sector</p>	<p>M</p>	<p>M</p>							<p>=</p>	<p>One of the most significant lessons learnt from NC accounting projects implemented in developing countries is the critical need to commit substantial time and resources to developing a clear understanding of, and the technical skills to implement, a NC accounting approach. While initially there may be a need to source technical and professional expertise from outside the country, the priority focus must be to develop the in-country knowledge, skills and capacities. Component 3 of the project is thus fully focused on building the national and local awareness, competencies and capabilities in NC accounting.</p>
<p>NCAs are decoupled from the National Account, leading to poor integration of environmental issues in mainstream economic decision-making.</p>	<p>L</p>	<p>L</p>							<p>=</p>	<p>A key project strategy is to link, right from the outset, the NC information (using a NC accounting approach) to the tourism and water resources Satellite Accounts. The project will also support the process of updating the National Budget Policy to formally reflect the link between NCA information and the development of the Satellite Accounts.</p>

<p>The financial constraints of public and private sector institutions limit the scope and rigor of NCAs</p>		L	L										<p>As mentioned above, the "NC accounting framework" for Thailand will – without compromising the UN-SEEA standards – be very functional and utilitarian to accommodate the significant fiscal, capacity and data constraints of the responsible public and private sector institutions. Wherever possible, the data requirements for NCAs will align with the data already being collected by the mandated agencies to reduce data collection costs and complexity. Estimates of monetary values of assets, stocks and flows will – wherever possible – be extrapolated from existing biodiversity valuation data (or ecosystem valuation tools) to further reduce the cost implications of annual data collection</p>
<p>Major budget reallocation (>10%) across components or significant changes in budget lines (including any increase >5% from original budget)and Poor budget utilisation or exhaustion of PMC before project completion. High likelihood of negative impact on the project delivery.</p>	Outcome 1-2												<p>In constructing the NCA there is a need to gather important GIS data, such as, maps and picture files from the concerned agencies. This will enable the construction of the extent account in NCA. As currently there is no budget allocation for such activities, it is essential that sufficient budget needs to be taken from other activities to support GIS work.</p>
<p>Consolidated project risk</p>		L	M										<p>This section focuses on the variation. The overall rating is discussed in section 2.3.</p>

4.3 Table C. Outstanding Moderate, Significant, and High risks

List here only risks from Table A and B above that have a risk rating of M or higher in the current PIR

Risk	Actions decided during the previous reporting instance (PIR-1, MTR, etc.)	Actions effectively undertaken this reporting period	Additional mitigation measures for the next periods		
			What	When	By whom
	<p>(i) Issue an "Exchange of Letters" at onset of project between ONEP and key line agencies such as NSEDB with regards project collaboration and services, this in addition to the already agreed co-funding support (agencies are only willing to do so once the CEO endorsement)</p> <p>(ii) the service level agreement between ONEP and the "lead service provider" will make adequate provision (i.e. the commitment of resources and time) for maintaining and strengthening the cooperative relationships between project partners</p>	<p>(iii) the establishment of National and Provincial Working Groups – with representation from all key project partners – to cooperatively oversee the design of a national accounting systems and local implementation of tourism and water resource NCAs (Outputs 1.1 and 2.1);</p>	<p>(iv) the hosting of National and Provincial sector-specific Roundtable Meetings to improve information-sharing and consultatively contribute to integrating NC into policies, plans, budgets and operations of the public and private sector (Outputs 1.2 and 2.2)</p>	<p>September 2023 - March 2024</p>	<p>TDR1 and ONEP</p>

<p>Low levels of cooperation and collaboration between different ministries, provincial governments, private sector and civil society organizations constrains the ongoing development of NCAs and their subsequent integration into policy, planning and budgeting processes</p>			<p>(v)the development of a suite of public- private partnerships that could mitigate environmental impacts on, and restore and protect NC in watershed forests and nearshore marine and coastal ecosystems (Output 2.3)</p>	<p>October 2023 - December 2026</p>	<p>TDRI and Biofin</p>
			<p>(vi)the implementation of a focused stakeholder engagement strategy that emphasizes the critical need for constructive cooperation and collaboration between partners in implementing a NC accounting system</p>	<p>January 2024 - June 2026</p>	<p>TDRI</p>
			<p>(vii)the development and hosting of an online knowledge portal for all core project partner institutions, agencies and organizations staff responsible for, or involved in, NC accounting.</p>	<p>August 2023 - December 2026</p>	<p>TDRI</p>
<p>Long-term government and private sector apathy leads to increasingly outdated NC information for annual incorporation into the tourism and water resources satellite accounts</p>	<p>TDRI established a connection with Krabi Provincial Office and the Krabi Natural Resource and Environment Office to explain how NCA can assist them in policy formulation that will lead to informed decision making in the future.</p>	<p>(i)the "NC accounting framework" for Thailand will – without compromising the UN-SEEA standards – be very functional and utilitarian to accommodate the significant fiscal, capacity and data constraints of the responsible public and private sector institutions. Wherever possible, the data requirements for NCAs will align with the data already being collected by the mandated agencies to reduce data collection costs and complexity. Estimates of monetary values of assets, stocks and flows will – wherever possible – be extrapolated from existing biodiversity valuation data (or ecosystem valuation tools) to further reduce the cost implications of annual data collection;</p>	<p>(ii)instead of developing standalone NCAs, the project will link NC information to economically important, pre-existing Satellite Accounts (for tourism and water resources) that already form an integral part of the National Account;</p>	<p>August 2023 - December 2026</p>	<p>TDRI</p>
			<p>(iii)the project will support the use of NC information to motivate for an increase in budget allocation, to raise funds from innovative financing instruments, to build public-private partnerships and improve the efficacy of EIA and SEA practices;</p>	<p>January 2024 - December 2025</p>	<p>TDRI</p>
			<p>(iv)the project will also help establish NC accounting „champions“ in strategic positions within the public and private sector institutions, as well as build political support with key political and corporate decision-makers for the adoption of NC accounting approaches;</p>	<p>August 2023 - June 2026</p>	<p>TDRI</p>
			<p>(v)the project will also support the development of regulatory policies in the private sector (through CSR programmes) and the public sector (through budget policies) that will require the obligatory maintenance of NCAs and „green economy“ (GDP-linked) reporting.</p>	<p>August 2023 - December 2026</p>	<p>TDRI</p>

<p>Limited in-country knowledge of, and technical skills in, NC accounting slows the adoption and development of NC accounting processes by the public and private sector</p>	<p>Held a meeting clarifying project details with Deputy governor of Krabi, Director of Krabi MNRE, and Consultant of Koh Lanta tourism business association and held meetings introducing the project to local level agencies including Khao Phanom Bencha national park, Mu Ko Lanta national park, Khlong Prasong subdistrict administrative organisation, Koh Klang traditional fishing community, and Ban Tung Yee Peng Ecotourism community enterprise during 15-16 Nov 2022</p>	<p>Conducted online training "Natural Capital Accounting" by Mr. GEM BELARMINO CASTILLO, PhD International Expert in Natural Capital Accounting (16-17 March 2023 and 4-5 April 2023). A group of experts is convened to comment on the conceptual framework for the preparation of Natural Capital Accounting (NCA) and the short-term roadmap (2-3 years) for the development of NCA (13 2023) and the first meeting of the inter-agency provincial working group (PWG) for Krabi province (3 July 2023)</p>	<p>(i) building the competencies, skills and knowledge of a network of public and private practitioners and policy-makers in NC accounting, and its application for public and private policies and economic decision-making</p>	<p>August 2023 - December 2026</p>	<p>TDRI</p>
			<p>(ii) widely communicating and sharing emerging information and knowledge on NC accounting, and mainstreaming information from NCAs into development policy and planning processes. The involvement of all the key implementing partners in the national and provincial NC accounting working groups and sectoral roundtable meetings will also help to further improve the awareness and skills levels in the partner institutions, organizations and agencies.</p>	<p>August 2023 - December 2026</p>	<p>TDRI</p>
<p>Major budget reallocation (>10%) across components or significant changes in budget lines (including any increase >5% from original budget) and Poor budget utilisation or exhaustion of PMC before project completion. High likelihood of negative impact on the project delivery.</p>	<p>TDRI has explained this issue with UNEP and both TDRI and UNEP came to a common understanding that appropriate budget needs to be assigned for GIS activities.</p>	<p>TDRI has explained this issue with UNEP and both TDRI and UNEP came to a common understanding that appropriate budget needs to be assigned for GIS activities.</p>	<p>Budget reallocation</p>	<p>August - September 2023</p>	<p>TDRI and UNEP</p>

High Risk (H): There is a probability of greater than 75% that **assumptions** may fail to hold or materialize, and/or the project may face high risks.
Significant Risk (S): There is a probability of between 51% and 75% that **assumptions** may fail to hold and/or the project may face substantial risks.
Moderate Risk (M): There is a probability of between 26% and 50% that **assumptions** may fail to hold or materialize, and/or the project may face only modest risks.
Low Risk (L): There is a probability of up to 25% that **assumptions** may fail to hold or materialize, and/or the project may face only modest risks.

Project Minor Amendments

Minor amendments are changes to the project design or implementation that do not have significant impact on the project objectives or scope, or an increase of the GEF project financing up to 5% as described in Annex 9 of the Project and Program Cycle Policy Guidelines. Please tick each category for which a change occurred in the fiscal year of reporting and provide a description of the change that occurred in the textbox. You may attach supporting document as appropriate.

5.1 Table A: Listing of all Minor Amendment (TM)

Minor amendments	Changes	Minor amendments
Results framework		
Components and cost		
Institutional and implementation arrangements		
Financial management		
Implementation schedule	Explain in table B	
Executing Entity		
Executing Entity Category		
Minor project objective change		
Safeguards		
Risk analysis		
Increase of GEF project financing up to 5%		
Co-financing		
Location of project activity		
Other		

5.2 Table B: History of project revisions and/or extensions (TM)

Version	Type	Signed/Approved by UNEP	Entry Into Force (last signature Date)	Agreement Expiry Date	Main changes introduced in this revision
Original Legal Instrument					
Amendment 1	Revision				
Extension 1	Extension				

GEO Location Information:

The Location Name, Latitude and Longitude are required fields insofar as an Agency chooses to enter a project location under the set format. The Geo Name ID is required in instances where the location is not exact, such as in the case of a city, as opposed to the exact site of a physical infrastructure. The Location & Activity Description fields are optional. Project longitude and latitude must follow the Decimal Degrees WGS84 format and Agencies are encouraged to use at least four decimal points for greater accuracy. Users may add as many locations as appropriate. Web mapping applications such as OpenStreetMap (<https://www.openstreetmap.org/#map=4/21.84/82.79>) or GeoNames(<http://www.geonames.org/>) use this format. Consider using a conversion tool as needed, such as: <https://coordinates-converter.com> Please see the Geocoding User Guide by clicking here(<https://gefportal.worldbank.org/App/assets/general/Geocoding%20User%20Guide.docx>)

Location Name <small>Required field</small>	Latitude <small>Required field</small>	Longitude <small>Required field</small>	Geo Name ID <small>Required field if the location is not an exact site</small>	Location Description <small>Optional text field</small>	Activity Description <small>Optional text field</small>
Krabi Province	8.05624	98.917278	N/A	A coastal province in the southern region of Thailand, along the andaman coast	Provincial Government office centre

Please provide any further geo-referenced information and map where the project interventions is taking place as appropriate. *

[\[Annex any linked geospatial file\]](#)

Geo Location Information of NCA Project Sites (Krabi Province)





อุทยานแห่งชาติมุกหูลันตา
Mu Koh Lanta National Park

National Park



นakhon si thammarat
Nakhon Si Thammarat



emerald pond
Emerald Pond



hot water fall
Hot Waterfall

