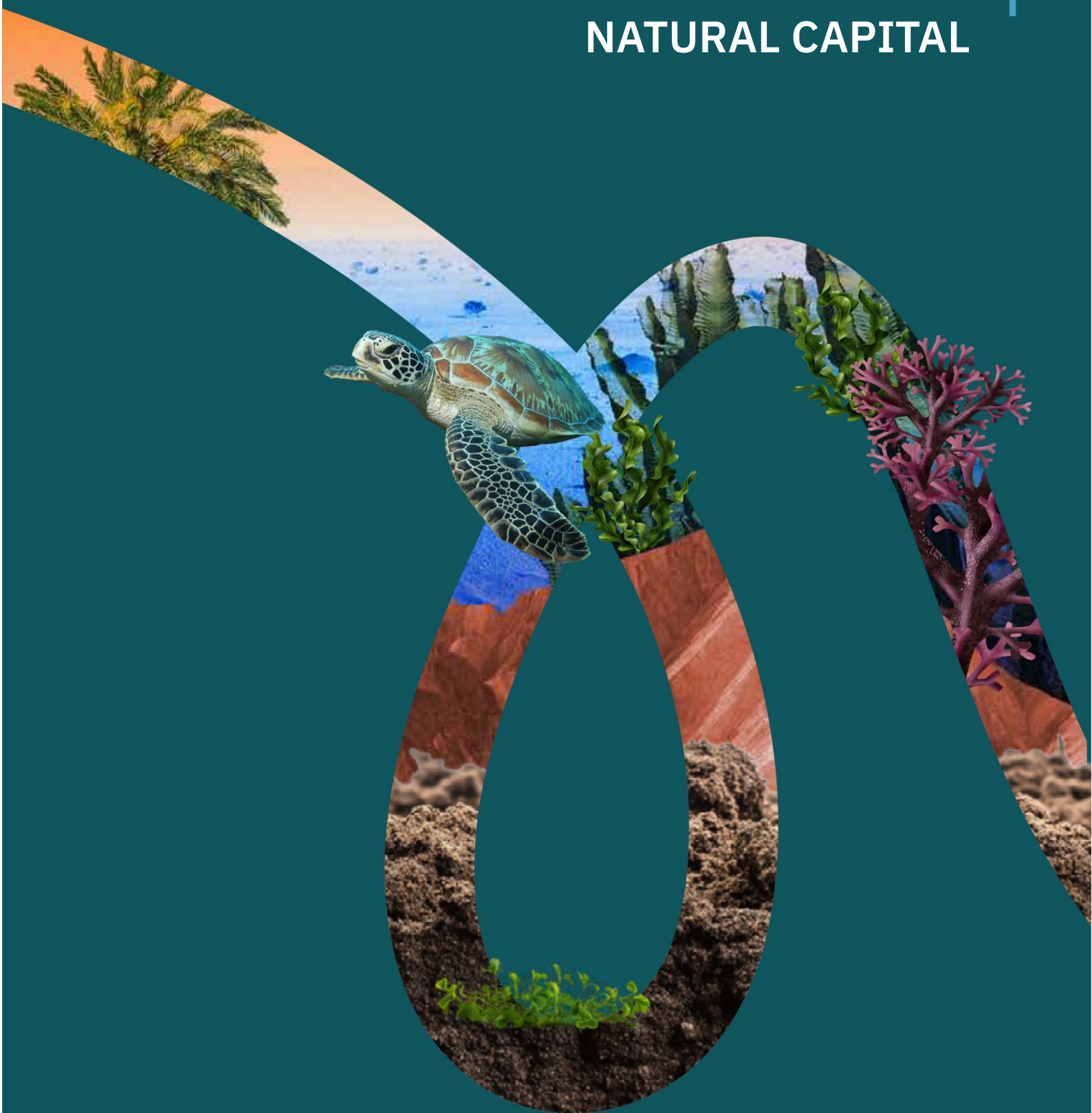


# COMPONENT 1

## POLICIES AND MARKET INCENTIVES IN SUPPORT OF NATURAL CAPITAL



THE INTEGRATION OF NATURAL CAPITAL ACCOUNTING IN PUBLIC AND PRIVATE SECTOR POLICY AND DECISION-MAKING FOR SUSTAINABLE LANDSCAPES

NATURAL CAPITAL

Funded by  
gef UN environment programme

Executing Agencies



**TDRI** THAILAND DEVELOPMENT RESEARCH INSTITUTE

# COMPONENT 1

## POLICIES AND MARKET INCENTIVES IN SUPPORT OF NATURAL CAPITAL

### OUTPUT 1.1.1

ESTABLISH AND MAINTAIN THE INTER-AGENCY NATIONAL WORKING GROUP (NWG)

#### Author

Mrs. Thippawan Keawmesri, Thailand Development Research Institute (TDRI)

Ms. Panida Phranphanat, Thailand Development Research Institute (TDRI)

Ms. Ramida Hansaward, Thailand Development Research Institute (TDRI)

## Acknowledgement

This meeting report of the Project Steering Committee for the Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes Project has been prepared under the auspices of the Project Steering Committee, which is responsible for reviewing and endorsing project workplans, providing technical guidance and recommendations for project implementation, and overseeing and monitoring project progress to ensure effective and efficient delivery of project outcomes.

We would like to express our sincere appreciation to the Chairperson, Committee Members, Secretary, and Assistant Secretaries of the NCA Project Steering Committee for their valuable contributions to the review and approval of project workplans and budget expenditures. Their technical advice, guidance, and recommendations have been instrumental in addressing implementation challenges and overcoming operational constraints, thereby ensuring the effective execution of project activities. Their continued support in fostering collaboration among agencies and stakeholders involved in biodiversity management has significantly contributed to enhancing project effectiveness and maximizing the benefits derived from project implementation.

Special appreciation is extended to the staff of the Biodiversity Management Division, Office of Natural Resources and Environmental Policy and Planning (ONEP), particularly Mrs. Katunchalee Thammakul, Director of Biodiversity Management Division, and Ms. Benchamaporn Wattanatongchai, Director of the Convention Coordination Group, Biodiversity Management Division, ONEP. Their dedication, cooperation, and invaluable support have been essential to the successful organization and conduct of the meetings of the Project Steering Committee for the Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes Project.

The Project Management Unit gratefully acknowledges the commitment and contributions of all individuals and organizations involved in supporting the Project Steering Committee and advancing the objectives of the project towards the integration of natural capital accounting into public and private sector policy and decision-making for sustainable landscapes.

## Contents

Acknowledgement .....	i
Executive Summary.....	v
1. Background of the appointment of the Project Steering Committee of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” .....	1
2. Summary of Key Discussion Points from the Project Steering Committee meeting of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” No. 1/2023 .....	1
3. Summary of Key Discussion Points from the Project Steering Committee meeting of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” No. 1/2024 .....	6
4. Summary of Key Discussion Points from the Project Steering Committee meeting of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” No. 1/2025 .....	10
5. Summary of Key Discussion Points from the Project Steering Committee meeting of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” No. 2/2025 .....	14
6. Summary of Key Discussion Points from the Project Steering Committee meeting of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” No. 1/2026 .....	18
Appendix 1 Appointment of the Project Steering Committee of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” .....	21
Appendix 2 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. 1/2023 .....	23
Appendix 3 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. 1/2024 .....	33
Appendix 4 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. 1/2025 .....	42
Appendix 5 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. 2/2025 .....	52
Appendix 6 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. 1/2026 .....	60

## Figures

Figure 1	Project Steering Committee of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” No. 1/2023 (9 February 2023) .....	5
Figure 2	Project Steering Committee of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” No. 1/2024 (22 February 2024) .....	9
Figure 3	Project Steering Committee of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” No. 1/2025 (13 March 2025) .....	13
Figure 4	Project Steering Committee of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” No. 2/2025 (22 October 2025) .....	17
Figure 5	Project Steering Committee of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” No. 1/2026 (24 March 2026) .....	20

## Executive Summary

The *Project Steering Committee (PSC) for the Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes Project* serves as the principal governance mechanism for overseeing the implementation of the project, providing strategic direction, reviewing project progress, approving workplans and budgets, and ensuring effective coordination among relevant agencies and stakeholders. The project is jointly implemented by the Office of Natural Resources and Environmental Policy and Planning (ONEP), the United Nations Environment Programme (UNEP), and the Thailand Development Research Institute (TDRI), with financial support from the Global Environment Facility (GEF).

The project aims to integrate Natural Capital Accounting (NCA) into public and private sector policy and decision-making processes at both national and local levels. It focuses on strengthening evidence-based decision-making through the valuation of natural resources and ecosystem services, particularly within the tourism and water resource sectors. Krabi Province was selected as the pilot area due to its ecological significance, rich biodiversity, coastal and marine ecosystems, and its importance as a major tourism destination.

To guide project implementation, ONEP established the Project Steering Committee under Order No. 291/2022. The Committee comprises representatives from key government agencies, technical institutions, and development partners. Throughout the implementation period, the PSC convened regularly to review project progress, provide technical guidance, and ensure alignment with national development priorities and international commitments related to biodiversity conservation and sustainable development.

During the initial phase of project implementation, the PSC reviewed and approved the overall project framework, implementation plan, budget allocation, and governance arrangements. The Committee endorsed the adoption of the United Nations System of Environmental-Economic Accounting (UN-SEEA) as the conceptual basis for developing Natural Capital Accounts in Thailand. The project framework was designed around three interrelated components: (i) development of policies and market-based incentives to support natural capital integration at the national level; (ii) integration of natural capital accounts into provincial planning and decision-making processes; and (iii) strengthening awareness, capacity development, information dissemination, and stakeholder engagement.

Significant progress was achieved under Component 1 through the development of a national conceptual framework for Natural Capital Accounting in the tourism and water resource sectors. Extensive reviews of existing policies, legal frameworks, environmental-economic accounting methodologies, and international best practices were undertaken. Technical consultations with experts and government agencies contributed to refining the framework and ensuring consistency with national policy priorities. The project also initiated the assessment of ecosystem services and natural capital values and explored the application of Market-Based Instruments (MBIs) as mechanisms to promote conservation, sustainable resource use, and long-term financing for biodiversity management.

Under Component 2, substantial efforts were made to establish and operationalize provincial mechanisms for Natural Capital Accounting in Krabi Province. A Provincial Working Group (PWG) was established to support

project implementation and facilitate stakeholder engagement at the local level. Field consultations, data collection activities, and stakeholder meetings were conducted with government agencies, local communities, tourism operators, and conservation organizations. These activities contributed to the development of pilot Natural Capital Accounts for the tourism and water resource sectors and enhanced understanding of the interactions between economic activities and ecosystem services within the province.

The project further advanced the assessment of environmental and economic relationships associated with tourism and water resources, including analyses of ecosystem services, resource conditions, and environmental pressures affecting coastal and marine ecosystems. Particular attention was given to identifying practical opportunities for integrating natural capital information into provincial development plans, budget processes, and resource management decisions. Discussions also explored the feasibility of various financing and governance mechanisms that could support conservation, restoration, and sustainable management of natural capital assets.

Under Component 3, the project undertook a range of activities aimed at strengthening awareness, communication, and stakeholder engagement. Public communication materials were developed, a project website was initiated, and knowledge-sharing activities were organized to promote understanding of Natural Capital Accounting among policymakers, technical agencies, private sector stakeholders, local communities, and the wider public. These efforts sought to build institutional capacity and foster collaboration among diverse stakeholders involved in biodiversity conservation and sustainable development.

Throughout project implementation, the PSC provided valuable guidance and recommendations to strengthen technical quality, stakeholder participation, and institutional coordination. Committee members emphasized the importance of incorporating climate change considerations, wetlands, marine ecosystems, tourism satellite accounts, and water resource information into the accounting framework. The PSC also encouraged stronger collaboration among government agencies, academia, civil society organizations, and local communities to improve data availability and support evidence-based policy development.

In 2024, the project underwent an independent Mid-Term Review commissioned by UNEP. The review assessed overall project performance as “Moderately Satisfactory” and recognized several strengths, including effective governance arrangements, timely financial management, gender-responsive implementation practices, and strong collaboration through the PSC and PWG mechanisms. At the same time, the review identified challenges related to project delays, limited integration of outputs across activities, insufficient stakeholder engagement, and the need for enhanced technical coordination and communication. Recommendations focused on strengthening project management, improving stakeholder participation, enhancing monitoring and supervision, increasing engagement with local and marginalized communities, and promoting greater use of international expertise.

The PSC carefully considered the findings and recommendations of the Mid-Term Review and provided further strategic guidance to accelerate implementation during the remaining project period. Particular emphasis was placed on improving communication among implementing partners, strengthening data-sharing arrangements,

increasing the frequency of PSC meetings, and ensuring that project outputs contribute effectively to policy development and practical decision-making processes.

As the project enters its final implementation phase, efforts will focus on completing the development of Natural Capital Accounts, integrating natural capital information into national and provincial policies, plans, and budgeting processes, and identifying sustainable mechanisms to support biodiversity conservation and ecosystem restoration. The PSC remains committed to providing strategic oversight and fostering cooperation among all relevant stakeholders to ensure that project outcomes contribute to sustainable landscape management, biodiversity conservation, and the long-term integration of Natural Capital Accounting into Thailand's policy and decision-making framework.

Overall, the PSC meetings held between 2023 and 2026 played a critical role in guiding project implementation, strengthening inter-agency collaboration, and supporting the advancement of Natural Capital Accounting as an important tool for sustainable development. The collective efforts of government agencies, development partners, technical experts, and local stakeholders have laid a strong foundation for integrating environmental values into economic planning and decision-making processes, thereby contributing to Thailand's transition towards a more sustainable and resilient future.

## **1. Background of the appointment of the Project Steering Committee of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes”**

The Office of Natural Resources and Environmental Policy and Planning (ONEP), as the implementing agency, the United Nations Environment Programme (UNEP), as the implementing agency of the Global Environment Fund (GEF), and the Thailand Development Research Institute (TDRI), as the lead service provider, have discussed and refined the procedures for establishing a Inter-Agency National Working Group (NWG). The Steering Committee of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” will be established, and TDRI will work with experts and relevant agencies under the existing mechanisms of the Steering Committee, relevant subcommittees, and the National Biodiversity Conservation and Utilization Committee to oversee the project's implementation and ensure efficiency and compliance with relevant government regulations.

Office of Natural Resources and Environmental Policy and Planning Order No. 291/2022, issued on May 19, 2022, appoints the Project Steering Committee for the Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes project. The Secretary-General of the Office of Natural Resources and Environmental Policy and Planning serves as the Chairman, with representatives from 17 relevant agencies serving as members. Officials from the Biodiversity Management Division, Office of Natural Resources and Environmental Policy and Planning, and the project manager serve as the secretariat. The committee consists of 20 members, whose duties include reviewing and approving the project plan, providing academic feedback and suggestions for project implementation, overseeing and monitoring the progress of the project to ensure efficiency ([Appendix 1](#)).

## **2. Summary of Key Discussion Points from the Project Steering Committee meeting of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” No. 1/2023**

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. 1/2023 **on 9 February 2023**, 10.30 a.m.– 12.00 p.m., Meeting room 1002, Tipco Tower 2, Bangkok Thailand

### **1. Establishment of PSC**

ONEP received USD 2 million funding from GEF-6 to implement the NCA project over 54 months.

PSC established with 20 members from relevant agencies to provide oversight, advice, and monitoring.

Resolution: PSC approved inclusion of representatives from the Ministry of Tourism and Sports (MOTS) and the Office of National Water Resources (ONWR) to strengthen expertise in tourism and water resource management.

### **2. Project Overview**

Medium-size project under GEF-6 Biodiversity Strategy (Aug 2022 – Feb 2027).

Total value: USD 8.15 million (USD 2 million GEF + USD 6.15 million in-kind contributions).

Focus sectors: tourism and water management, with Krabi province as pilot site.

Objectives: (1) Develop NCA for tourism and water sectors, (2) Integrate NCA into national and provincial policymaking, (3) Raise awareness and build capacity for sustainable biodiversity and ecosystem service use.

### **3. Framework, Roadmap, and Budget**

Framework based on UN-SEEA standards to evaluate natural capital and integrate into policy.

Five-step study process: review tools, develop framework, evaluate economic value, integrate into policy, disseminate information.

Workplan (2022–2026) structured into three components: (1) National-level policy and incentives, (2) Provincial/local integration in Krabi, (3) Awareness, capacity building, and knowledge sharing.

Budget allocation: Component 1: USD 592,999, Component 2: USD 791,999, Component 3: USD 433,202

Administration: USD 181,800

#### **PSC feedback included:**

NESDC: caution on reliance on Input-Output tables.

NSO: outputs should align with SEA and I-O data.

DLD: soil resources should be included.

NSTDA: shared prior SEEA handbook for reference.

DOT: suggested inclusion of small-scale water management models.

### **4. Progress Report (Aug–Dec 2022) and Plan for 2023**

Component 1: Experts engaged; NWG replaced by existing committee mechanisms for efficiency.

Component 2: Draft order for Provincial Working Group (PWG) in Krabi prepared; consultations held with communities and national parks.

Component 3: Selection of media/communication experts underway; Knowledge Portal planned.

#### **2023 priorities:**

- Draft national NCA framework.
- Establish PWG and pilot market-based instruments in Krabi.
- Develop Trust Fund feasibility study.
- Launch Knowledge Portal and awareness campaigns.

### **5. Follow-up Actions**

#### **Secretariat (ONEP)**

- Membership Expansion: Proceed with the formal inclusion of representatives from the Ministry of Tourism and Sports (MOTS) and the Office of National Water Resources (ONWR) into the PSC to strengthen expertise in tourism and water resource management.

- Coordination with UNEP: Maintain close cooperation with UNEP under the Project Cooperation Agreement (PCA), ensuring compliance with reporting requirements and alignment with international standards.
- Oversight and Monitoring: Schedule PSC meetings at least once per year, and ensure timely submission of annual progress, financial, and equipment reports to UNEP.
- Local Engagement: Support Krabi Provincial authorities in establishing the Provincial Working Group (PWG) and facilitate coordination between national and local stakeholders.

### Thailand Development Research Institute (TDRI)

- Framework Implementation: Continue development of the NCA framework and roadmap, ensuring integration of UN-SEEA standards and alignment with national strategies.
- Progress Reporting: Submit annual progress reports to UNEP, with the next report due by 31 January 2024. Reports must include updates on framework development, pilot testing, and stakeholder engagement.
- Stock Taking Exercise: Undertake a comprehensive stock-taking of existing knowledge, data, and tools relevant to NCA to strengthen evidence-based policymaking.
- Pilot Testing: Develop and test market-based instruments (e.g., usage fees, environmental compensation, trust fund feasibility) in Krabi province, ensuring community participation and measurable outcomes.

### Krabi Provincial Authorities

- PWG Establishment: Finalize the establishment of the Provincial Working Group (PWG) with the Governor as Chair, ensuring representation from key agencies and communities.
- Local Implementation: Lead the integration of NCA into provincial policies, plans, and budgets, focusing on tourism and water management sectors.
- Community Engagement: Facilitate consultations with local communities, national parks, and ecotourism enterprises to ensure inclusive participation and sustainable resource management.
- Pilot Activities: Support implementation of pilot projects, including conservation, habitat restoration, and sustainable tourism initiatives.

### Communication Experts/Firms

- Knowledge Portal Development: Design and launch an online Knowledge Portal to compile and disseminate NCA-related information, ensuring open access for policymakers, businesses, and the public.
- Awareness Campaigns: Produce and distribute communication materials (printed media, digital platforms, seminars) to raise awareness among decision-makers and stakeholders.
- Capacity Building: Organize workshops and training sessions to improve institutional capacity in applying NCA tools and methodologies.
- Networking: Facilitate the creation of networks among government agencies, private sector, and civil society to promote knowledge exchange and collaboration.

## UNEP

- Oversight Role: Continue to provide technical guidance and oversight as the Implementing Agency, ensuring compliance with GEF requirements.
- Capacity Support: Assist in mobilizing international expertise and best practices to strengthen project implementation.
- Evaluation: Conduct mid-term evaluation in 2024 and terminal evaluation in 2026 to assess project effectiveness, sustainability, and replicability.

See Appendix 2

Figure 1 Project Steering Committee of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” No. 1/2023 (9 February 2023)



### **3. Summary of Key Discussion Points from the Project Steering Committee meeting of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” No. 1/2024**

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. 1/2024 on **22 February 2024**, 13.30 – 16.00 p.m., Meeting room 1003, Tipco Tower 2 and Online, Bangkok Thailand

#### **1. Chairman’s Remarks**

- Emphasis on continuity: representatives should remain consistent across meetings.
- Agenda items on 2023 implementation and 2024 operational plan were presented consecutively for clarity.

#### **2. Approval of Previous Minutes (No. 1/2023)**

- Corrections made to spelling, terminology, and technical references (e.g., SEEA vs. SEA, Input-Output Table clarification).

#### **3. Matters for Report**

##### **3.1 Natural Capital Account Framework (Tourism & Water Resources)**

- Framework revised to incorporate PSC and subcommittee feedback.
- Key recommendations:
  - Integrate climate change scenarios (El Niño/La Niña).
  - Include wetland data.
  - Align tourism sector framework with Ministry of Tourism and Sports.
  - Consider marine resources as part of tourism valuation.

##### **3.2 Implementation Progress 2023**

- Achievements:
  - Frameworks for tourism and water resources completed.
  - Training and conceptual knowledge-building conducted.
  - Initial marketing tools/mechanisms proposed.
- Challenges:
  - Limited PSC meetings (only once per year).
  - Insufficient data for dissemination.
  - Need for stronger coordination among agencies.

## 4. Matters for Consideration

### 4.1 Committee Composition Update

- Adjustment: Department of Environmental Quality Promotion renamed to Department of Climate Change and Environment.
- Addition: Office of the Permanent Secretary, Ministry of Tourism and Sports, and National Water Resources Office.

### 4.2 Budget Support

- GEF funding: USD 2 million.
- In-kind contributions required: USD 6 million (from 8 Thai agencies).
- 2023 in-kind contribution target: USD 2,567,369.

### 4.3 Operational Plan 2024

- Components:
  1. Develop GIS database for valuation of tourism and water resources.
  2. Integrate NCA into Krabi provincial plans, focusing on seawater clarity as a key valuation factor.
  3. Enhance public awareness through website and media development.
- Feedback:
  - UNEP: simplify presentation, clarify buyer/seller roles, highlight stakeholder cooperation.
  - NSTDA: ensure civil society input.
  - Tourism Authority: refine valuation model using spending-per-trip data.
  - NESDC: fund establishment may face legal barriers; alternatives needed.
  - Department of Water Resources: clarify sectoral responsibilities.

## 5. Follow-up Actions (Expanded)

### 5.1 Committee Operations

- PSC meetings to be convened twice annually (next by July 2024).
- Secretariat to ensure consistent representation from agencies.

### 5.2 Framework Development

- Integrate wetland data into tourism and water resource accounts.
- Align tourism framework with Ministry of Tourism and Sports guidelines.
- Expand coverage to include marine resources as part of tourism valuation.

### 5.3 Budget and Contributions

- Secretariat to circulate official letters to agencies by March 2024 requesting confirmation of in-kind contributions.

- Provide clear calculation methodology for in-kind contributions to ensure consistency across agencies.

#### **5.4 Operational Plan 2024**

- Develop GIS database with GISTDA for valuation of ecosystem services.
- Conduct valuation of seawater clarity in Krabi Province, linking to biodiversity, tourism, and water resources.
- Explore alternative funding mechanisms (e.g., Environmental Fund, local ordinances, Ministry of Finance collaboration).
- Ensure civil society participation in selecting market-based instruments.
- Refine valuation models using spending-per-trip data from Ministry of Tourism and Sports.

#### **5.5 Knowledge and Awareness**

- Launch NCA project website and associated media campaigns to build public understanding.
- Develop brochures and communication materials to support stakeholder engagement.

#### **5.6 Coordination and Stakeholder Engagement**

- Clarify roles and responsibilities of each sector in supporting NCA implementation.
- Strengthen collaboration between government, private sector, and civil society.
- Highlight buyer-seller dynamics in natural capital markets to ensure equitable benefit-sharing.

See Appendix 3

Figure 2 Project Steering Committee of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” No. 1/2024 (22 February 2024)



## **4. Summary of Key Discussion Points from the Project Steering Committee meeting of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” No. 1/2025**

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. 1/2025 on **13 March 2025**, 13.30 – 16.30 PM ONEP, Meeting room 1001 Tipco Tower 2 and Online, Bangkok Thailand

### **1. Chairman’s Remarks**

- Acting Chair emphasized the need for timely suggestions from members to ensure project objectives are achieved within the set timeframe.

### **2. Approval of Previous Minutes (No. 1/2024)**

- Secretariat revised minutes in line with committee comments.

### **3. Matters for Report**

#### **3.1 Committee Appointment Order Update**

- Adjustments: Department of Environmental Quality Promotion renamed to Department of Climate Change and Environment.

#### **3.2 Mid-Term Review (Nov–Dec 2024)**

- Evaluation result: Moderately Satisfactory (Level 4/6).
- Strengths: gender inclusion, timely budget disbursement, strong committee structures.
- Weaknesses: fragmented data, delays, limited awareness-raising, insufficient academic expertise.
- Recommendations: stronger monitoring, stakeholder engagement, empowerment of marginalized groups, inclusion of international experts.
- Feedback:
  - NSTDA: academic support exchange.
  - Department of Tourism: inclusion of Urak Lawoi community.
  - Department of Water Resources: clearer stakeholder roles needed.

### **4. Matters for Consideration**

#### **4.1 Progress Report (Aug 2022–Dec 2024)**

- Status: 2 activities completed, 16 ongoing, 23 not yet started.
  - Adjustments: Activity 2.2.7 revised from “Polluter Pays Principle” to “Public-Private Partnerships (PPP)” for habitat restoration.
- Feedback:
  - Need clearer progress reporting (visual diagrams, one-page summaries).
  - TDRI acknowledged delays due to data gaps and lack of experts.

- UNEP supported PPP adjustment as more practical.
- Resolution:
  1. Approve progress report with revised percentage-based evaluation.
  2. Approve Activity 2.2.7 adjustment to PPP.
  3. Require TDRI to submit obstacles formally to ONEP.
  4. Establish working groups as needed and hold PSC meetings at least twice annually.

## 4.2 Implementation Plan (2025–2026)

- National level: develop conceptual framework, integrate NCA into Medium-Term Expenditure Framework (MTEF) and 13th National Plan.
- Provincial level (Krabi): prepare accounts, establish data systems, mitigate impacts, coordinate with NGOs and GreenFins.
- Awareness: dissemination, knowledge-building, stakeholder engagement.
- Feedback:
  - Chairman: set clear annual targets for 2025 first.
  - NESDC: expand NCA concept to other provinces.
  - NSTDA: fund establishment unlikely; propose alternatives.
  - Department of Water Resources: require annual breakdown of activities.

## 5. Follow-up Actions

### 5.1 Committee Operations

- PSC meetings to be held twice annually; working groups may meet more frequently.
- Secretariat to ensure consistent representation and timely circulation of documents.

### 5.2 Mid-Term Review Response

- Strengthen monitoring and supervision mechanisms.
- Enhance stakeholder engagement, including marginalized groups (e.g., Urak Lawoi).
- Promote gender equality and inclusivity in project activities.
- Involve international experts to strengthen technical capacity.

### 5.3 Progress Reporting

- TDRI to revise progress evaluation criteria by 20 March 2025.
- Develop visual reporting tools (diagrams, one-page summaries) to clarify progress.
- Classify activities into primary and secondary priorities with annual targets.

### 5.4 Operational Adjustments

- Activity 2.2.7 officially revised to PPP approach for habitat restoration.
- ONEP to establish working groups to address technical and policy-level obstacles.

- Ensure wetlands in Krabi are fully integrated into NCA frameworks.

### 5.5 Implementation Plan 2025–2026

- TDRI to submit revised plan with annual goals and milestones by 20 March 2025.
- Link NCA data to MTEF and explore integration into future national plans.
- Expand NCA application beyond Krabi to other provinces.
- Develop alternative funding mechanisms (e.g., Environmental Fund, local ordinances) in place of new fund establishment.

### 5.6 Knowledge and Awareness

- Strengthen dissemination of NCA outputs to government, private sector, NGOs, and communities.
- Build broad-based capacity for natural capital accounting through training and outreach.
- Ensure communication materials highlight buyer-seller dynamics and equitable benefit-sharing.

See Appendix 4

Figure 3 Project Steering Committee of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” No. 1/2025 (13 March 2025)

**สฟ. จัดประชุม คณะกรรมการกำกับโครงการ NCA บูรณาการบัญชีทุนธรรมชาติ**

เมื่อวันที่ 13 มีนาคม 2568 นายทรงเกียรติ ตาตะยานนท์ รองเลขาธิการ สผ. เป็นประธานการประชุมคณะกรรมการกำกับโครงการ Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes (NCA) ครั้งที่ 2/2568 ณ ห้องประชุม 1003 อาคารทีปโก้ 2 และมีนางกตัญชสี ธรรมกุล ผอ. กลช. ร่วมกับ รองศาสตราจารย์อัคร อิศรางกูร ณ อยุธยา มูลนิธิสถาบันวิจัยเพื่อการพัฒนาประเทศไทย เป็นคณะกรรมการและเลขานุการฯ โดยมีผู้แทนจากหน่วยงานที่เกี่ยวข้องจำนวน 22 หน่วยงานร่วมเป็นคณะกรรมการฯ

ทั้งนี้ โครงการ NCA มีจังหวัดกระบี่เป็นพื้นที่นำร่อง เพื่อจัดทำบัญชีทุนธรรมชาติภาคการท่องเที่ยวและภาคการจัดการน้ำ ดำเนินการตั้งแต่เดือนมีนาคม 2565 และกำหนดสิ้นสุดเดือนมิถุนายน พ.ศ. 2569 ซึ่ง โดยที่ประชุมมีมติเห็นชอบในหลักการต่อการปรับแผนการดำเนินงานระหว่างปี พ.ศ. 2568 - 2569 เพื่อให้สอดคล้องกับ ข้อตกลงความร่วมมือโครงการ (Project Cooperation Agreement: PCA) ตามที่ มูลนิธิสถาบันวิจัยเพื่อการพัฒนาประเทศไทย ในฐานะที่ปรึกษาโครงการได้นำเสนอ และที่ประชุมได้เร่งรัดให้ที่ปรึกษาดำเนินโครงการให้เป็นไปตามวัตถุประสงค์ และเป้าหมายตามเวลาที่กำหนด

สำนักงานนโยบายและแผนทรัพยากรธรรมชาติและสิ่งแวดล้อม (สผ.)

## **5. Summary of Key Discussion Points from the Project Steering Committee meeting of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” No. 2/2025**

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. 2/2025 on **21 August 2025**, 09.30 AM – 12.00 PM ONEP, Meeting room 1003 Tipco Tower 2 and Online, Bangkok Thailand

### **1. Chairman’s Remarks**

- Emphasized urgency: project nearing completion, requiring more frequent PSC meetings to accelerate operations.
- Secretariat withdrew agenda item on funding due to incomplete information.

### **2. Approval of Previous Minutes (No. 1/2025)**

- Revised minutes approved following comments from Department of National Parks and Office of National Water Resources.

### **3. Matters for Report**

#### **3.1 Provincial Working Group (PWG) Krabi – Meeting No. 1/2025**

- PWG reviewed Market-Based Instruments (MBIs) for tourism and water resource sectors:
  - Trash bag fee: potential reduction of waste but concerns about monopolization and legal issues.
  - Beachfront land tax: rejected as burdensome during post-COVID recovery.
  - Small-scale wastewater systems: recognized need but concerns about siting and maintenance costs.
  - Tourist donations/fees: concerns about transparency and accountability.
- PWG requested TDRI to refine MBIs with stakeholder input before re-presentation.
- Feedback:
  - Ministry of Tourism and Sports: suggested measures to reduce waste imports to islands and address freshwater scarcity (e.g., desalination, hotel-based water management MBIs).
  - Department of Water Resources: highlighted freshwater shortages, wastewater management options, and PPP/CSR models.

### **4. Matters for Consideration**

#### **4.1 Project Implementation Plan (2025–2026)**

- Clarification: project duration is 51 months (ending 30 June 2026).
- TDRI proposed accelerated timeline:
  - Component 1 (Policy & Incentives): complete by Dec 2025.
  - Component 2 (Provincial Integration): complete by Dec 2025, including piloting MBIs and establishing trust fund.

- Component 3 (Awareness & Networking): complete by Mar 2026.
- Feedback:
  - Chairman: requested risk mitigation measures, closer coordination with ONEP, and appointment of a project coordinator stationed at ONEP.
  - NSTDA: requested clarity on data collection, ecosystem monitoring, PPP responsibilities, and baseline year data.
  - Ministry of Tourism and Sports: asked about responsible agencies for future data collection.
  - Department of Tourism: requested clarity on trust fund governance and beneficiaries.
- Resolution: Approved. TDRI and ONEP to collaborate closely, appoint coordinator, and present progress regularly.

## 5. Follow-up Actions

### 5.1 Committee Operations

- PSC meetings to be convened at least twice annually, with additional sessions if required.
- ONEP to appoint a dedicated project coordinator to ensure smooth communication and timely implementation.

### 5.2 Provincial Working Group (Krabi)

- TDRI to refine MBIs with comprehensive stakeholder consultations, ensuring feasibility, legal compliance, and transparency.
- Explore alternative MBIs addressing freshwater scarcity, waste reduction, and wastewater management.
- Incorporate PPP and CSR models to share costs between government, private sector, and communities.

### 5.3 Project Implementation Plan (2025–2026)

- Accelerated timeline:
  - Policy & Incentives (Component 1): complete by Dec 2025.
  - Provincial Integration (Component 2): complete by Dec 2025, including piloting MBIs and establishing trust fund.
  - Awareness & Networking (Component 3): complete by Mar 2026.
- TDRI to prepare risk mitigation measures for potential delays.
- ONEP to facilitate access to government data and technical expertise.

### 5.4 Data and Monitoring

- Establish clear baseline year (2016–2020) for natural capital accounts, ensuring consistency and coverage.

- Agencies identified for future data collection: ONEP, NESDC, Krabi Province, GISTDA, BEDO, Ministry of Finance, Budget Bureau.
- Develop monitoring framework for ecosystem changes and MBI performance.

### 5.5 Trust Fund Development

- TDRI to design trust fund governance structure with private sector associations for transparency.
- Government agencies to provide technical oversight.
- Ensure revenue supports conservation and NCA project activities.

### 5.6 Co-financing Contributions

- Agencies to formally confirm 2024 in-kind contributions to meet USD 6 million target.
- ONEP to follow up with official correspondences and ensure compliance.

See Appendix 5

Figure 4 Project Steering Committee of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” No. 2/2025 (21 August 2025)



## 6. Summary of Key Discussion Points from the Project Steering Committee meeting of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” No. 1/2026

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. 1/2026 on **24 March 2026**, 1.30 PM – 4.30 PM ONEP, Meeting room 1002 Tipco Tower 2 and Online, Bangkok Thailand

### 1. Chairman’s Remarks

- Project is nearing completion in June 2026.
- Priority: revise implementation plan to ensure timely delivery of outputs and alignment with objectives.

### 2. Approval of Previous Minutes (No. 2/2025)

- Revised minutes approved following comments from Department of Climate Change and Environment, NESDC, and Office of National Water Resources.

### 3. In-kind Co-financing

- Thailand must contribute **USD 6 million** in-kind over 51 months.
- Contributions to date (2023–2025): **USD 4.94 million (82%)**.
- Remaining: **USD 1.06 million** to be secured.
- National Statistical Office requested correction of its reported contributions.

### 4. Revised Implementation Plan (March–June 2026)

- Progress status:
  - Component 1 (National Policy): 15 activities, majority delayed.
  - Component 2 (Provincial Integration – Krabi): 18 activities, majority delayed.
  - Component 3 (Awareness & Networking): 8 activities, mixed progress.
- Constraints:
  - Interconnected data dependencies.
  - Coordination and scheduling delays with multiple agencies.
  - Technical and academic disagreements on MBIs.
- Consultant proposed Payment for Ecosystem Services (PES) as alternative to fee-based MBIs, e.g., youth-led eco-tourism initiatives.
- Integration of NCA data into MTEF and 14th NESDP underway.
- Provincial plan: focus on drought, wastewater management, and incentives for compliant businesses.

## 5. Follow-up Actions

### 5.1 Project Completion and Oversight

- ONEP to coordinate closely with TDRI and UNEP to revise deliverables that are no longer feasible under current legal and financial constraints.
- PSC to convene final meeting in May/June 2026 to validate outputs and ensure readiness for project closure.

### 5.2 Co-financing Contributions

- Agencies yet to submit in-kind contributions must report to ONEP by **March 2026**.
- Secretariat to correct discrepancies in reported contributions (e.g., National Statistical Office).
- Ensure full **USD 6 million target** is met before project closure.

### 5.3 Policy Integration (National Level)

- Expedite consultations with Budget Bureau, NESDC, and Ministry of Finance to integrate NCA into MTEF and the 14th NESDP.
- Use NCA data to advocate for increased budget allocations for Krabi Province, reflecting actual tourist load (>6 million annually).
- Develop policy recommendations to substitute unfeasible fee-based MBIs with alternative instruments (e.g., PES).

### 5.4 Provincial Implementation (Krabi)

- Finalize incorporation of NCA into provincial development plans and budgets.
- Address drought and wastewater management through incentives and technical support.
- Pilot community trust fund models linked to eco-tourism and conservation.
- Accelerate preparation of business case for MBIs and establish PPP opportunities for forest and coastal ecosystem restoration.

### 5.5 Awareness and Capacity Building

- Complete production of fact sheets, brochures, and media by June 2026.
- Launch and maintain NCA project website with updated outputs.
- Conduct final technical training workshops and exchange programs for decision-makers.
- Ensure broad stakeholder participation, including civil society and youth groups.

### 5.6 Performance Reporting

- TDRI to expedite preparation of the final performance report (95% completion by May 2026) to build confidence in project outcomes.
- ONEP to document any substitute targets agreed with UNEP to preserve project credibility

See Appendix 6

**Figure 5 Project Steering Committee of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” No. 1/2026 (24 March 2026)**



## Appendix 1 Appointment of the Project Steering Committee of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes”



คำสั่ง สำนักงานนโยบายและแผนทรัพยากรธรรมชาติและสิ่งแวดล้อม

ที่ ๒๕๖ /๒๕๖๕

เรื่อง แต่งตั้งคณะกรรมการกำกับโครงการ Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes

ด้วยสำนักงานนโยบายและแผนทรัพยากรธรรมชาติและสิ่งแวดล้อมได้รับการสนับสนุนงบประมาณจากกองทุนสิ่งแวดล้อมโลก เพื่อดำเนินโครงการ Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes ซึ่งมีวัตถุประสงค์เพื่อบูรณาการต้นทุนธรรมชาติในการดำเนินการของภาคเศรษฐกิจหลักสู่การจัดทำนโยบายในระดับท้องถิ่นและระดับชาติ และเพื่อส่งเสริมคุ้มครองความหลากหลายทางชีวภาพและบรรเทาผลกระทบจากภาคการผลิตที่มีความหลากหลายทางชีวภาพและการให้บริการของระบบนิเวศ

เพื่อให้การดำเนินโครงการบรรลุวัตถุประสงค์ที่ตั้งไว้อย่างมีประสิทธิภาพ จึงอาศัยอำนาจตามความในมาตรา ๓๒ และ ๓๗ แห่งพระราชบัญญัติระเบียบบริหารราชการแผ่นดิน พ.ศ. ๒๕๓๔ แต่งตั้งคณะกรรมการกำกับโครงการ Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes โดยมีองค์ประกอบ และหน้าที่และอำนาจ ดังนี้

### องค์ประกอบ

- |  |               |
|--|---------------|
| ๑. เลขาธิการสำนักงานนโยบายและแผนทรัพยากรธรรมชาติและสิ่งแวดล้อม | ประธานกรรมการ |
| ๒. ผู้แทนกรมทรัพยากรทางทะเลและชายฝั่ง                          | กรรมการ       |
| ๓. ผู้แทนกรมทรัพยากรน้ำ  | กรรมการ       |
| ๔. ผู้แทนกรมป่าไม้   | กรรมการ       |
| ๕. ผู้แทนกรมส่งเสริมคุณภาพสิ่งแวดล้อม                          | กรรมการ       |
| ๖. ผู้แทนกรมอุทยานแห่งชาติ สัตว์ป่า และพันธุ์พืช               | กรรมการ       |
| ๗. ผู้แทนกรมการท่องเที่ยว                                      | กรรมการ       |
| ๘. ผู้แทนกรมพัฒนาที่ดิน  | กรรมการ       |
| ๙. ผู้แทนจังหวัดกระบี่   | กรรมการ       |
| ๑๐. ผู้แทนสำนักงานสถิติแห่งชาติ                                | กรรมการ       |
| ๑๑. ผู้แทนสำนักงานสภาพัฒนาการเศรษฐกิจและสังคมแห่งชาติ          | กรรมการ       |
| ๑๒. ผู้แทนสำนักงานพัฒนาวิทยาศาสตร์และเทคโนโลยีแห่งชาติ         | กรรมการ       |
| ๑๓. ผู้แทนสำนักงานพัฒนาเศรษฐกิจจากฐานชีวภาพ (องค์การมหาชน)     | กรรมการ       |
| ๑๔. ผู้แทนการท่องเที่ยวแห่งประเทศไทย                           | กรรมการ       |
| ๑๕. ผู้แทนสำนักงานทรัพยากรธรรมชาติและสิ่งแวดล้อมจังหวัดกระบี่  | กรรมการ       |
| ๑๖. ผู้แทนกองการต่างประเทศ                                     | กรรมการ       |

สำนักงานปลัดกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม

๑๗. ผู้แทนสำนักงาน...

๑๗. ผู้แทนสำนักงานโครงการสิ่งแวดล้อมแห่งสหประชาชาติ	กรรมการ
๑๘. ผู้อำนวยการกองจัดการความหลากหลายทางชีวภาพ สำนักงานนโยบายและแผนทรัพยากรธรรมชาติและสิ่งแวดล้อม	กรรมการ และเลขานุการ
๑๙. เจ้าหน้าที่กองจัดการความหลากหลายทางชีวภาพ สำนักงานนโยบายและแผนทรัพยากรธรรมชาติและสิ่งแวดล้อม	กรรมการ และผู้ช่วยเลขานุการ
๒๐. ผู้จัดการโครงการ	กรรมการ และผู้ช่วยเลขานุการ

#### หน้าที่และอำนาจ

๑. พิจารณาให้ความเห็นชอบต่อแผนงานและการใช้จ่ายงบประมาณโครงการ
๒. พิจารณาให้ความเห็นชอบรายงานความก้าวหน้าการดำเนินงานโครงการ และรายงานทบทวนผลการดำเนินงานโครงการ
๓. พิจารณาให้ความเห็นชอบต่อการเปลี่ยนแปลง แก้ไข กิจกรรมของโครงการตามความเหมาะสม โดยไม่เกิดผลกระทบต่อเป้าหมายหลักของโครงการ
๔. กำกับดูแล และติดตามความก้าวหน้าการดำเนินงานโครงการให้เป็นไปอย่างมีประสิทธิภาพ รวมถึงให้คำแนะนำในการปฏิบัติให้ถูกต้องตามกฎหมาย ระเบียบ และข้อบังคับของทางราชการที่เกี่ยวข้อง
๕. พิจารณาให้ข้อคิดเห็นและข้อเสนอแนะเชิงวิชาการในการดำเนินโครงการเพื่อแก้ไขปัญหา อุปสรรคในการดำเนินโครงการ
๖. กำกับให้เกิดการขับเคลื่อนความร่วมมือระหว่างหน่วยงานที่เกี่ยวข้องกับการจัดการความหลากหลายทางชีวภาพ เพื่อให้การดำเนินโครงการมีประสิทธิภาพ
๗. ปฏิบัติงานอื่น ๆ ที่เกี่ยวข้องตามที่ได้รับมอบหมาย

ทั้งนี้ ตั้งแต่บัดนี้เป็นต้นไป

สั่ง ณ วันที่ ๑๑ พฤษภาคม พ.ศ. ๒๕๖๕



(นายพิรุณ สัยยะสิทธิ์พานิช)

เลขาธิการ

สำนักงานนโยบายและแผนทรัพยากรธรรมชาติและสิ่งแวดล้อม

## Appendix 2 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. 1/2023

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. 1/2023 on 9 February 2023, 10.30 a.m.– 12.00 p.m., Meeting room 1002, Tipco Tower 2, Bangkok Thailand

### Project Steering Committee members attending

- |     |  |                            |
|-----|--|----------------------------|
| 1.  | Mr. Phirun Saiyasitpanich<br>Office of Natural Resources and Environmental Policy and Planning   | Chairman Secretary-General |
| 2.  | Ms. Orapa Suwattano<br>Fishery Biologist, Professional Level<br>Representative of Department of Marine and Coastal Resource  | Member                     |
| 3.  | Mrs. Ratda Patsinghasanee<br>Plan and Policy Analyst, Professional Level<br>Representative of Department of Water Resource   | Member                     |
| 4.  | Ms. Weerana Sompeewong<br>Scientist, Senior Professional Level<br>Representative of Royal Forest Department  | Member                     |
| 5.  | Ms. Bajaree Saguanwongse<br>Director of the International Commitment Group<br>Representative of Department of Environmental Quality Promotion                          | Member                     |
| 6.  | Ms. Aunchalee Sangrapai<br>Forestry Technical Officer, senior Professional Level<br>Representative of Department of National Parks, Wildlife and Plant Conservation    | Member                     |
| 7.  | Ms. Kobkul Pitarachart<br>Specialist in developing tourist attractions<br>Representative of Department of Tourism  | Member                     |
| 8.  | Mr. Nuntapon Nongharnpitak<br>Land Use Planning Specialist<br>Representative of Department of Land Development   | Member                     |
| 9.  | Mr. Phattipong Soontornworn<br>Director of the office of natural resources and environment krabi<br>Representative of Krabi Provincial                                 | Member                     |
| 10. | Ms. Narissara Chanpet<br>Statistician, Professional Level<br>Representative of National Statistical Office   | Member                     |
| 11. | Mr. Sombat Kitjaruwong<br>Plan and Policy Analyst, Senior Professional Level<br>Representative of Office of the. National Economic and Social Development Council      | Member                     |
| 12. | Ms. Watcharin Meerod<br>Director of Policy and Biosafety Unit<br>Representative of National Science and Technology Development Agency                                  | Member                     |
| 13. | Mr. Suwee Ngandee<br>Public Participation and Dissemination Division Director<br>Representative of Biodiversity-based Economy Development Office (Public Organization) | Member                     |

- |     |   |                                  |
|-----|---|----------------------------------|
| 14. | Ms. Parichat Siriban<br>Head of Southern Tourism Products<br>Representative of Tourism Authority of Thailand  | Member                           |
| 15. | Acting Sub Lt. Sadayu Suttimat<br>Environmental, Professional Level<br>Representative of Provincial Offices for Natural Resources and Environment Krabi | Member                           |
| 16. | Mr. Peerayot Sidonrusmee<br>Programme Management Assistant<br>Representative of United Nations Environment. Programme                                   | Member                           |
| 17. | Ms. Jittinun Ruengverayudh<br>Director of Biodiversity Management Division<br>Office of Natural Resources and Environmental Policy and Planning         | Member<br>and Secretariat        |
| 18. | Ms. Benchamaporn Wattanatongchai<br>Environmental, Senior Professional Level<br>Office of Natural Resources and Environmental Policy and Planning       | Member<br>and Deputy Secretariat |
| 19. | Adis Israngkura (PhD.)<br>Project Manager   | Member<br>and Deputy Secretariat |

**Project Steering Committee member non attending**

- |    |  |        |
|----|--|--------|
| 1. | Representative of Division of Foreign Affairs<br>Office of the Permanent Secretary Ministry of Natural Resources and Environment | Member |
|----|--|--------|

**Attendees**

- |    |                              |   |
|----|------------------------------|---|
| 1. | Mr. Kanisorn Chotiwutthakorn | Department of National Parks, Wildlife and Plant Conservation |
| 2. | Ms. Supattra Intawong        | Department of National Parks, Wildlife and Plant Conservation |
| 3. | Mrs. Thippawan Keawmesri     | Thailand Development Research Institute                       |
| 4. | Ms. Kanjana Yasen            | Thailand Development Research Institute                       |
| 5. | Mr. Achira Sirimongkolkasem  | Thailand Development Research Institute                       |

**Personnels from Office of Natural Resources and Environmental Policy Planning**

1. Mr. Jiravat Ratisoontorn Deputy Secretary-General
2. Mr. Wanlop Preechamart
3. Ms. Phuttatida Rattana
4. Ms. Sawitree Boonyalug
5. Ms. Pairanee Suksumek
6. Ms. Pannee Panthong
7. Ms. Apinya Phengnak
8. Ms. Wannapa Maneekul

**Meeting starts 10.30 AM.**

## Agenda 1 Chairman’s Report

Phirun Saiyasitpanich, Secretary-General of Office of Natural Resources and Environmental Policy and Planning (ONEP), meeting’s Chairman, welcomes the Project Steering Committee (PSC) of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes”.

## Agenda 2 Matters of Report

### 2.1 Order for the establishment of PSC for the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes”

The Secretariat informs the participants of ONEP receiving funding from Global Environment Facility (GEF) No. 6 totalling 2,000,000 USD to implement the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” (NCA). The project aims to study and evaluate natural capital using economic instrument and build roadmap for the integration of Natural Capital Accounting (NCA) into policymaking process on the national and local level. The project focuses on 2 sectors, those being tourism sector and water management sector, in which Krabi province was chosen as the target location due to its ecological importance as waterhead, coastal coverage, and being a major tourism destination. With project duration of 54 months. ONEP has proceeded to establish the PSC for the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” (NCA) with the Secretary-General of ONEP acting as the Chairman, and representatives from 17 other relevant agencies as committee members, staff of ONEP’s Biodiversity division as the Secretariat. The PSC comprising of 20 persons, has the responsibilities in providing suggestions, academic advice, oversee, and monitor the progress to ensure that the project is proceeding efficiently.

The PSC has given suggestions as follow:

Department of Tourism (DOT) rep. suggests adding a representative from the Ministry of Tourism and Sports (MOTS) to the PSC as MOTS contains a division on tourism and sports economy which deals with maintaining national account on tourism which includes information on natural capital and the environment. In addition to developing tourism development accounts which comprises of 5 accounts being – water account, energy account, waste account, greenhouse gas account, and marine and coastal resources account. Their inclusion should be beneficial in further knowledge exchanges.

Department of Water Resource (DWR) rep. suggests adding a representative from Office of the National Water Resources (ONWR) to the PSC as ONWR is the agency responsible for management of country’s water resource, as well as on regional and provincial levels.

The Chairman gives no objection to adding additional members to the PSC.

**Resolution of the meeting** Acknowledged; the Secretariat has been informed to proceed in adding the relevant agencies to PSC as per the committee’s order.

## 2.2 Overview of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes”

The Secretariat informs the attendees the overview of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” (NCA) which was given funding from GEF No. 6 in 2016, with the aim of studying and evaluating natural capital in tourism and water management sectors using economic instrument and creating a roadmap for the integration of natural capital into policy making processes on the national and local levels. ONEP has proceeded as follow:

1. February 2019, United Nations Environment Programme (UNEP), as GEF’s Implementing Agency, informed GEF CEO of the project’s approval, and sent Project Cooperation Agreement (PCA) to ONEP, as the Executing Agency, signed the agreement which originally was a 2-party agreement. Later ONEP and UNEP came to an agreement in changing to 3-party agreement, with ONEP as the Executing Agency, UNEP as the Implementing Agency, and a Lead Service Provider.

2. From 2019 – 2021, ONEP and UNEP amended the agreement to a 3-party agreement through consideration processes from the UNEP headquarter and other relevant official procedures. Before presenting the PCA to the Cabinet for approval.

3. On 11 January 2022, the Cabinet gave approval for the 3-party PCA with ONEP as the Executing Agency, UNEP as the Implementing Agency, and Thailand Development Research Institute (TDRI) as the Lead Service Provider. On 23 August 2022, UNEP transferred the first instalment of the budget to TDRI, a total of 175,000 USD, marking the official start date of the project per the PCA. Overview of the project as follow:

3.1 It is a medium-size project, funded by GEF No. 6 Biodiversity Strategy, with project duration of 54 months (August 2022 – February 2027)

3.2 Funding consists of 2,000,000 USD from GEF, along with in-kind contributions from ONEP and other relevant agencies such as Royal Forest Department, Department of Water Resource (DWR), Department of Marine and Coastal Resources (DMCR), Office of the National Economic and Social Development Council (NESDC), Ministry of Tourism and Sports (MOTS), National Science and Technology Development Agency (NSTDA), and Krabi province worth 6,150,000 USD. In total valuing the project at 8,150,000 USD.

3.3 The project works in accordance with national and international best practices. Nationally, the project works in accordance with the 20-Year National Strategy (2018-2037) strategy 5 on establishing growth on the quality of life in an environmentally friendly manner which promotes the valuation of ecosystem services. Internationally, it works with the Convention on Biological Diversity which promotes the valuation of biodiversity and the ecosystem. To create suitable measures in protecting biodiversity, activities under the project contain the following 3 components: 1) Creating policies and incentives for the integration of natural capital on national level; includes the developing framework and roadmap for the integration of NCA in Thailand through the analysis of interdependency between natural capital and ecosystem services with policies, plans, and budget of water management and tourism in Thailand. 2) Integration of NCA into development plans on provincial and local levels; includes the development of NCA

for tourism sector and water management sector in Krabi province and 3) Information management, improve competency and awareness, creation of network for the integration of NCA, public relation, sharing knowledge and any relevant information on NCA which supports component 1 and 2.

3.4 Project's objectives – development of NCA for tourism sector and water management sector in Thailand, integrate NCA into policymaking process in both national level and local level, create understanding and awareness on natural capital to promote more sustainable usage of biodiversity resources and ecosystem services based on scientific and economic principle of marine and coastal ecosystem and water resources

**Resolution of the meeting** Acknowledged

### **Agenda 3 Matters for consideration**

#### **3.1 Framework and roadmap**

The Secretariat requested TDRI, the Lead Service Provider, to introduce the project with framework and roadmap as follow:

1. The framework for the development of NCA will use an environmental economic instrument or an economic account that takes in account of natural capital and environmental impacts (The United Nations Integrated System of Environmental-Economic Accounting: UN-SEEA) to analyse the value of natural capital and create economic incentives that are beneficial to the conservation of neutral resources on the basis of mutual understanding and participation between the government, businesses, and civil society. And to integrate the national account into development planning process on provincial level and national level.

2. The study process comprises of 5 steps as follow:

2.1 Review and compile tools, economic instruments, and relevant research on environmental economic accounting, development of NCA in Thailand, as well as policies, plans, laws, and related regulations.

2.2 Develop framework for the development of NCA for tourism sector and water management sector in Krabi province that is in accordance with UN-SEEA standards which includes specifying details on scope, impact, stakeholder; evaluation of current condition; collecting and collating information on stock and flow of tourism sector; valuation of resources in monetary and non-monetary term; creating supply and use tables (SUT); and making information on stock and flow compatible with the Input-Output (I-O) matrix.

2.3 Evaluate the economic value of tourism sector and water management sector. Developing incentives for more sustainable usage of natural resources such as tax collection and reimbursement, usage fee, environmental compensation, water fee from those benefitting from ecosystem services. As well as supporting business operations by testing appropriate market-based instrument on target area in Krabi province.

2.4 Integrate NCA into provincial policy, plan, and budget with inputs from experts from various institutes, major decision makers in sectors such as public, private, and civil society, as well as other decision makers on the local and national level.

2.5 Produce and distribute information on NCA through media platforms such as website, printed media, or seminar.

### 3. Workplan and Timetable for the period 2022 – 2026

3.1 Component 1 – Development of policies and incentives for the support of integration of natural capital on the national level

Outputs: 1) Framework for the development of NCA on national level

2) Integrate information on the development of NCA into policy, plan, and budgeting.

Activities: - Present the draft of the framework for the development of NCA on the national level

- Organise meeting for experts from various fields relevant to tourism and water management to contribute their feedbacks.

- Evaluate the economic value of tourism and water management sector using market-based instruments and use effective tools/instruments to incentivise more sustainable usage of natural resources.

- Create policy support and improve capability of institutes and the private sector by incorporating effective tools/instruments into national policy.

3.2 Component 2 – Integration of NCA to development plans on provincial level and local level

Outputs: 1) NCA system for tourism sector and water management sector in Krabi province

2) Integrate NCA system into policy, plan, and budget of provincial level agencies

3) Environmental impact mitigation plan; sustainable restoration and protection of natural capital resources

Activities: - Establish the Provincial Working Group (PWG) for Krabi province to develop and implement NCA for tourism sector and water management sector

- Develop business model for the implementation of Market-based Instruments to conduct pilot testing in Krabi province

- Promote conservation, mitigation, and restoration of declined habitats in the wetlands and in marine and coastal ecosystems

3.3 Component 3 – Publication, improving capability and awareness, and creating network for the integration of NCA

Outputs: 1) Media distribution and public relations of information relevant to NCA system

2) Methods in improving sectoral capability in developing NCA and stakeholder engagement

Activities: – Build awareness on NCA to decision makers in policy making and in various business sectors.

- Organise meetings to introduce the project's principles and for the target groups and agencies to brainstorm

- Produce and distribute knowledge of NCA through documents, printed media, and other media platforms, as well as public seminar

- Develop online Knowledge Portal that compiles information relevant to NCA that the public can freely access

### 4. Important aspects of Project Supervision Plan

4.1 Progress report, financial report, equipment usage, and other relevant forms have to be sent to ONEP and UNEP by the end of every year throughout the duration of the project (2022 – 2026)

4.2 Schedule PSC meeting at least 1 time per year

4.3 Mid-term Evaluation - around mid-2024, Terminal Evaluation – around the end of 2026, and Final Report – by the end of December 2026

5. Budget plan totalling 2,000,000 USD consisting of costs of personnel, consultant, expert, study, training, seminar, activity, equipment, evaluation, and other as follow:

5.1 Component 1 – Development of policies and incentives for the support of integration of natural capital on the national level totalling 592,999 USD

5.2 Component 2 – Integration of NCA to development plans on provincial level and local level totalling 791,999 USD

5.3 Component 3 – Publication, improving capability and awareness, and creating network for the integration of NCA totalling 433,202 USD.

5.4 Project administration totalling 181,800 USD.

The Secretariat requested the PSC to give their feedbacks on the framework, implementation plan, and the budget plan of the project “Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes” before having TDRI, the Lead Service Provider, proceed with the meeting.

The PSC provided feedbacks as follow:

NESDC rep. pointed out that the I-O table is only done on a yearly basis, and generally take around 5 years to be finalised as it is a complicated account but with limited personnels available. As such the usage of the I-O table may not be appropriate for the current economic condition, although it may be possible to use statistical methods to adjust the values to be appropriate with the current condition.

The Chairman pointed out that the PWG with the Governor as the president, can help to successfully build up data for the account.

National Statistical Office rep. pointed out that the project’s outputs are mainly from I-O table or from Strategic Environmental Assessment (SEA). The Lead Service Provider responded that they would ensure that results will be obtained from the I-O table so that the information gained can be used to forecast the economy of the country.

Department of Land Development rep. made a remark on how soil and water are closely related, as such suggested that soil resource should be included in the NCA too.

NSTDA rep. announced that NSTDA has a biology division and that they had done a project on the analysis of environmental economic accounting on 8 tourism areas, one of which is Andaman tourism development area,

and that analysis were done on national accounts on tourism (made by Department of Tourism). A handbook on the development of Thailand's System of Environmental Economic Accounting (SEEA) was made, and that the Lead Service Provider is free to use it to support the NCA project.

Department of Tourism rep. gave advice from prior experience in doing low carbon tourism route project in Phangnga province which emphasise service providers managing tourism in sustainable way, that it would be more beneficial to include water management model for small-scale businesses and communities.

### **Resolution of the meeting**

Approved of the framework, implementation plan, and budget plan of the project "Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes". And that TDRI would continue to proceed with the project while ensuring the components and their outputs are categorised clearly.

### **3.2 Current progress and plan for the following period**

The Secretariat presents the attendees the progress of the project "Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes" and its plan for the following period. TDRI has the duty to send yearly progress report by 31 January of every year of the project duration, which TDRI has sent the progress report for year 1 (period of August to December 2022) to ONEP, as the Executing Agency, to give feedbacks before sending it to UNEP afterward. Summarised as follow:

#### **Component 1 Development of policies and incentives for the support of integration of natural capital on the national level.**

1. For the preparation of personnels and experts, UNEP and TDRI held meetings in May and September 2022 on establishing project administration and structure, as well as on hiring/contract experts from various fields such as natural resource and environmental economist, tourism economist, public participation expert, Geographic Information System (GIS) expert, tourism development expert, etc. Currently in consideration process for contracting additional experts from other relevant fields.

2. Establishment of National Working Group (NWG) for the development of NCA in Thailand to perform works under component 1 TDRI and ONEP concluded that in order to reduce complicated steps and to allow for greater efficiency and flexibility, there is a need to change how the project is being run. Rather than establishing the NWG, TDRI will cooperate with relevant experts and agencies, operating under existing mechanism for PSC, relevant subcommittee, and Biodiversity Conservation and Utilisation committee which is just as capable of running the project effectively and in line with regulations.

3. Review and compile tools, economic instruments, and relevant research on environmental economic accounting, development of NCA in Thailand, as well as policies, plans, laws, and related regulations. As well as developing framework for NCA for tourism sector and water management sector in target area that is in line with UN-SEEA standards.

4. Currently preparing workshops for relevant experts and agencies to help create greater understanding, exchange opinions and suggestions, and evaluate the development of NCA.

## **Component 2 Integration of NCA to development plans on provincial level and local level**

1. Establishment of PWG – On 15 November 2022, ONEP rep. and TDRI met with and had discussions with the deputy governor of Krabi (Anuwat Modepring) and the Director of Ministry of Natural Resource and Environment Krabi office, as the agency responsible for the target area, to present details, steps, methodologies, and plans for the project, as well as the roles and responsibilities of agencies. The draft order for the establishment of working group for the development of NCA for tourism sector and water management sector in Krabi was presented in the meeting for the attendees to give their feedbacks. Afterward the governor then signed the order. As such on 9 January 2023, ONEP sent an official letter to the Governor of Krabi to consider moving forward with the establishment of PWG. Currently, Krabi MNRE is presenting the aforementioned issue to the Governor of Krabi.

2. Held meetings to create understanding amongst target communities and agencies from 15-16 November 2022. ONEP rep. and TDRI held meetings to discuss the implementation on provincial level in Krabi province with representatives of various communities and national parks including 1) Khao Phanom Bencha National Park, contains waterheads of many important streams used for consumption in Krabi city such as Khlong Tone, Khlong Krabi Noi, Khlong Por Tak, Huay Sa Ke, Huay San, and Huay Pai. As well as being a conservation area of forest resources, flora and fauna diversity, and the ecosystem. 2) Traditional fishing village at Koh Klang, a Muslim community which is a cultural tourism destination, also contains a resilient women group. 3) Koh Lanta National Park, a conservation area for marine and coastal resources, is a beautiful and important tourism destination. And 4) Baan Tung Yee Peng Ecotourism Community Enterprise, a Muslim community which is a cultural tourism destination with variety of ecotourism activities, as well as having pristine mangrove under conservation.

## **Component 3 Publication, improving capability and awareness, and creating network for the integration of NCA.**

1. Currently in the process of selecting experts/firms on media and communication that are proficient in creating website for the publication of information on NCA to help with creating awareness, as well as creating network for the integration of NCA and improve capability of relevant agencies.

2. Plan for the period January - December 2023 (Year 2) is summarised as follow:

2.1 Component 1 Development of policies and incentives for the support of integration of natural capital on the national level – Vital activities such as drafting the framework for the development of NCA on the national level, evaluating the economic value of tourism sector and water management sector using market-based instruments, and selecting an instrument that is effective to promote more sustainable usage of resources.

2.2 Component 2 Integration of NCA to development plans on provincial level and local level – Vital activities such as establishing the PWG for the development of NCA system, developing NCA system for tourism sector and water management sector in Krabi province, developing business model for the selected market-based instrument to be used in pilot testing in Krabi province, and studying the feasibility of operating a Trust Fund from the market-based instrument.

2.3 Component 3 Publication, improving capability and awareness, and creating network for the integration of NCA – Vital activities such as creating awareness on the development of NCA to decision makers in government and business sector, produce and distribute information on NCA system through printed media and other forms of media, and developing an online Knowledge Portal that compiles information on NCA system in which that public can freely access.

As such, the Secretariat requested the PSC to give feedbacks on the progress for the period August – December 2022 and the plan for 2023, along with giving their approval to the change in structure of using existing mechanism of committees instead of establishing a NWG. As well as for TDRI, the Lead Service Provider, to send the progress report to UNEP thereafter.

The PSC provided feedbacks as follow:

The Chairman suggested that TDRI, the Lead Service Provider, to undertake Stock Taking to collect relevant knowledges and information that will be beneficial to the project.

#### **Resolution of the meeting**

Approved of the progress report for the period August – December 2022 and the plan for 2023, as well as the change from establishing NWG to using the existing committee mechanism. Along with appointing TDRI, the Lead Service Provider, to continue sending progress report to UNEP; and for the Secretariat to continue cooperating with UNEP as per the agreement, that is to focus on maximising the benefits for Krabi province and the local people through various activities that will help improve sustainability of resources in the target area.

#### **Agenda 4 Any other business**

None

**Meeting ends 12.00 PM**

### **Appendix 3 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. 1/2024**

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. 1/2024 on **22 February 2024**, 13.30 – 16.00 p.m., Meeting room 1003, Tipco Tower 2 and Online, Bangkok Thailand

#### **Project Steering Committee members attending**

1. Mr. Jiravat Ratisoontorn Chairman  
Deputy Secretary-General  
Office of Natural Resources and Environmental Policy and Planning
2. Ms. Kobkul Pitarachart Member  
Specialist in developing tourist attractions  
Representative of Department of Tourism
3. Mr. Nuntapon Nongharnpitak Member  
Land Use Planning Specialist  
Representative of Department of Land Development
4. Mr. Pipat Ruangngam Member  
Mass Promotion and Coordination Specialist  
Representative of Department of Water Resource
5. Mr. Nithiwut Raviwan Member  
Director of the Provincial Office of Natural Resources and Environment Krabi  
Representative of Krabi Province
6. Mrs. Kanjana Phumalee Member  
Director of the Division of Policy and Academic Statistics  
Representative of The National Statistical Office of Thailand
7. Mr. Santi Sawangcharoen Member  
Director of Tourism Product Planning Division  
Representative of The Tourism Authority of Thailand
8. Mr. Surachai kulthong Member  
Director of Environment Division  
Representative of the Provincial Office of Natural Resources and Environment Krabi
9. Ms. Watcharin Meerod Member  
Acting manager of Policy and Biosafety Unit  
Representative of National Science and Technology Development Agency
10. Mr. Sombat Kitjaruwong Member  
Plan and Policy Analyst, Senior Professional Level  
Representative of Office of the National Economic and Social Development Council

- |     |  |                                  |
|-----|--|----------------------------------|
| 11. | Ms.Krittaya Chunhaviriyakul<br>Environmentalist, Senior Professional Level<br>Representative of Department of Climate Change and Environment   | Member                           |
| 12. | Ms.Narumon Nuchplian<br>Forestry specialist, Senior Professional Level<br>Representative of The Royal Forest Department  | Member                           |
| 13. | Ms.Panumas Ladpala<br>Forestry specialist, Senior Professional Level<br>Representative of The Department of National Park, Wildlife and Plant Conservation   | Member                           |
| 14. | Ms. Orapa Suwattano<br>Fishery Biologist, Professional Level<br>Representative of Department of Marine and Coastal Resources   | Member                           |
| 15. | Ms.Rawinon Dulyakasem<br>Environmentalist, Professional Level<br>Representative of Division of Foreign Affairs,<br>Office of the permanent Secretary Ministry of Natural Resources and Environment | Member                           |
| 16. | Ms. Piyarat Hunthong<br>Bioeconomy Development Officer<br>Representative of Biodiversity-Based Economy Development Office (Public Organization)  | Member                           |
| 17. | MS. Kavita Sharma<br>Task Manager<br>Representative of United Nations Environment Programme  | Member                           |
| 18. | Ms.Jittinun Ruengverayudh<br>Director of Biodiversity Management Division<br>Office of Natural Resources and Environmental Policy and Planning   | Member<br>and Secretariat        |
| 19. | Ms.Benchamaporn Wattanatongchai<br>Environmentalist, Senior Professional Level<br>Office of Natural Resources and Environmental Policy and Planning  | Member<br>and Deputy Secretariat |
| 20. | Mr.Adis Israngkura<br>Project Manager<br>Representative of the NCA project consultant  | Member<br>and Deputy Secretariat |

**Attendees**

- |    |                           |   |
|----|---------------------------|---|
| 1. | Ms.Narissara Chanphet     | The National Statistical Office of Thailand                         |
| 2. | Mr.Peerayot Sidonrusmee   | United Nations Environment Programme                                |
| 3. | Mr. Phatthapon Yangprayut | Department of Water Resource  |
| 4. | Mr.Chatchawan Suanchan    | The Royal Forest Department   |
| 5. | Mr.Chatchai Inthankaew    | Biodiversity-Based Economy Development Office (Public Organization) |

6. Mr. Kittiphan Srianan	Biodiversity-Based Economy Development Office (Public Organization)
7. Ms. Somawan Sukprasert	Office of Natural Resources and Environmental Policy and Planning
8. Mrs. Kamonwan Pongsasitorn	Office of Natural Resources and Environmental Policy and Planning
9. Ms. Wannapa Maneekul	Office of Natural Resources and Environmental Policy and Planning
10. Mr. Pornpat Kawila	Office of Natural Resources and Environmental Policy and Planning
11. Ms. Suprawee Kuhatanasatian	Office of Natural Resources and Environmental Policy and Planning
12. Ms. Jutharat Rodpuang	Office of Natural Resources and Environmental Policy and Planning
13. Mr.Ditchaphong Phoomikiattisak	Geo-Informatics and Space Technology Development Agency
14. Mr.Chakris Phitakrattanasakul	Geo-Informatics and Space Technology Development Agency
15. Mrs.Thippawan Keawmesri	Thailand Development Research Institute
16. Ms.Kanjana Yasen	Thailand Development Research Institute
17. Ms.Panida Phranphanat	Thailand Development Research Institute
18. Ms.Panchanok Malakul Na Ayutthaya	WHAT IF Co., LTD
19. Ms.Urarat Bua-ngam	WHAT IF Co., LTD
20. Ms.Chonthicha Homklinkaew	WHAT IF Co., LTD

**Meeting starts** 13.30 p.m.

### **Agenda 1 Chairman's Report**

Mr. Jiravat Ratisoontorn acting Deputy Secretary General Office of Natural Resources and Environmental Policy and Planning (ONEP), and meeting's Chairman, welcomes the Project Steering Committee (PSC) of the project Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes: NCA and requests representatives from agencies participating in the Project Steering Committee (PSC) meeting to be the same person in every meeting to give and consider on the ongoing process of the NCA project. In addition, the Chairman notes that the contents of agenda item 3.2 for NCA project implementation in 2023, continue with agenda item 4.3 for project implementation and operational plan in 2024. the Chairman therefore requests that the Thailand Development Research Institute (TDRI) as Deputy Secretariat present both agendas consecutively to the members in an easy way to understand and clear suggestions.

**Resolution of the meeting** Acknowledged

### **Agenda 2 Approval of the Report No. 1/2023 9 February 2023**

The representative of the Biodiversity Management Division of ONEP, as member and Deputy Secretariat, informs the meeting that the secretariat prepared the meeting minutes No. 1/2023 on February 9, 2023, and circulated the minutes meeting on February 28, 2023, to the NCA Project Steering Committee (PSC) to consider and approve the meeting minutes. The NCA Project Steering Committee (PSC) would like to amend the meeting minutes as follows:

1. Mrs. Ratda Patsinghasanee, Plan and Policy Analyst, Professional Level, the representative of the Department of Water Resource suggests verifying and correcting the spelling on pages 6 - 8.

2. Mr. Sombat Kitjaruwong, Plan and Policy Analyst, Senior Professional Level, The representative of the Office of the National Economic and Social Development Council requests to amend page 8 from “Representative of the Office of the National Economic and Social Development Council has observations about the tables of production and output factors (Input-Output Table) is a year-specific data which takes approximately 5 years to summarize the results because it is complex account and there are a small number of skilled personnel. Therefore, the use of information may not align with the current economic situation. However, statistical methods may be able to adjust” to "Representative of the Office of the National Economic and Social Development Council has observations about the tables of production factors and outputs. (Input-Output Table: IO Table) data is prepared every 5 years, with the latest being in 2015. The use of I-O Table data may not align with the current economic situation. So, in use, this may require using statistical methods to adjust the data values to be similar to the current situation.”

3. Ms. Narissara Chanpet, Statistician, Professional Level, the representative of the National Statistical Office suggests amending page 8, line 24 from “Strategic Environmental Assessment (SEA)” to “The System of Environmental-Economic Accounting (SEEA)”.

Therefore, the secretariat amended the report

**Resolution of the meeting** Approved the report of PSC meeting of the project ‘Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes ’ No. 1/2023 on February 9, 2023.

### **Agenda 3 Matter for Report**

#### **3.1 Natural capital account framework (Tourism sector and water resources sector)**

The representative of the Director of Biodiversity Management Division of ONEP, as a member and deputy secretariat, informs that the conceptual framework for natural capital account in the tourism and water resources sectors. They consist with academic details relating with many sectors. Therefore, presenting this conceptual framework to the subcommittee on Integrated Biodiversity Management. In meeting No.1/2023 on Wednesday, September 27, 2023 at the meeting room, 17th floor, Ministry of Natural Resources and Environment to provide additional suggestions. The resolution of the meeting approves the inclusion of the recommendations and suggestions of the NCA Project Steering Committee into the natural capital accounting framework. as follows:

- Data collection (stock) for water management should compare with climate change situations. (El Niño and La Niña) that may affect the amount of runoff that communities and tourism use. The assessment of the adequacy of current and future water quantities for tourism and the community.

- The NCA project should incorporate information from Thailand's natural resource database and the operation in the pilot area of Krabi Province should integrate information from both the government, private sector, and civil society sectors. So that data analysis covers all dimensions and can be used to expand the results in other areas. Including the assessment of indirect benefits of natural resources in the project.

TDRI, as a member and deputy secretariat, informs the NCA Project Steering Committee (PSC) that the framework for natural capital account has been revised in accordance with the opinions and suggestions of the subcommittee. The assessment the benefits and indirect impacts of the tourism and water resources sectors will be possible to add the information to the parts that can be evaluated monetarily in the trading process which is in line with the UN System of Environmental-Economic Accounting (UN-SEEA).

#### **The meeting provided Feedback**

The representative of the Department of Water Resource suggests including wetland information to the natural capital account assessment of the tourism sector and the water resources sector. Therefore, wetlands are an important factor in creating value for both sectors.

The representative of Tourism Authority of Thailand has an opinion on the natural capital account in the tourism sector that it should be relevant with the guidelines for promoting the tourism market of Thailand.

The representative of Office of the National Economic and Social Development Council suggests that TDRI should consider total coverage stock of the natural capital account for the tourism sector to be aligned with the operations of The Ministry of Tourism and Sports and add consideration of details of the tourism industry in each category as well. The assessment of the value of natural resources (stock) of the tourism sector should consider resources in the sea, which is a source of food in the tourism sector.

**Resolution of the meeting** Acknowledged

### **3.2 The implementation of the natural capital account project for policy decision-making towards sustainable development 2023**

TDRI, as a member and deputy secretariat, informs that two progress reports on the implementation of the NCA project in 2023 have been completed: a report on reviewing the implementation of the project between January - June 2023 and a report on the progress of implementing the project between July - December 2023, which ONEP and the United Nations Environment Program (UNEP) have given their approval. The main points of the progress report are as follows:

**Component 1:** Policies making and creating incentives to support the integration natural capital activities in national level which have been completed as follow (1) a framework for natural capital account in national level in the tourism sector and water resources sector; (2) organizing the training to create knowledge and understanding about creating a conceptual framework for natural capital account and (3) proposing marketing tools/mechanisms. (Market-Based Instruments: MBI) for sectoral environmental management. The activities currently in progress are as follows: (1) Study, analyze and evaluate natural capital and ecosystem services related to the tourism and water resource sectors. (2) Select marketing tools/mechanisms that have the potential to create incentives for conserving and sustaining the use of natural capital in order to be used in a pilot province and (3) Developing a model for evaluating the economic value of the tourism sector and the water resource sector.

**Component 2:** Integrating natural capital account into provincial and local development plans. The activities that have been completed are the establishment of a working group to create the natural capital account in tourism sector and water resources sector, in Krabi Province and held the working group meeting No. 1/2023 on 3 July 2023 to present the overview of the NCA project, conceptual framework, and short-term road map. Including considering operational guidelines and guidelines for coordinating relevant agencies. The activities currently in progress as follows: (1) Situation assessment and collection of human activities related to the tourism sector and water resources sector of Krabi Province. (2) Selection of activities to serve as a sample case for developing marketing tools/mechanisms. and (3) a study of operations with the GreenFins “save our reef” program to find appropriate ways of cooperation between government institutions and private sector groups.

**Component 3:** Data preparation, enhancing knowledge, awareness, and networking for the integration of natural capital accounting There are activities that have been completed, which are (1) making contracts for companies producing media to enhance the understanding (2) Designing project symbols. There are activities that are currently in progress which are designing and developing the NCA project website to create knowledge and understanding about the natural capital account.

Moreover, the problems and obstacles during the implementation in 2023 are (1) there is a meeting of the NCA project steering committee only once a year which causes a lack of continuity in presenting the progress of project operations; (2) Developing natural capital account requires academic and operational data of the related agency. Therefore, it may be necessary to consider increasing the coordination of the operations of the expert team. and agencies in the small group meeting or use the NCA project steering committee meeting or subcommittee meeting and (3) the NCA project is in the first phase of operations. Therefore, there is insufficient information to disseminate to create understanding about natural capital account. Initially, TDRI is preparing to set issues for creating understanding through the website.

#### **The meeting provided feedback**

The chairman and the NCA Project Steering Committee agreed to increase the NCA Committee meeting from once a year to at least twice a year in order to ensure continuity in progress of the project results.

**Resolution of the meeting** Acknowledge the operations of the NCA project in 2023 and give the secretariat prepare a meeting of the NCA Project Steering Committee twice a year, with the 2nd meeting/2024 scheduled to be completed by July 2024.

### **Agenda 4 Matters for Consideration**

#### **4.1 Update the orders of the project steering committee on Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes.**

The representative of the Biodiversity Management Division, as a member and deputy secretariat, brought to the meeting regarding ONEP Order No. 291/2022 regarding the appointment of a committee to oversee the NCA project, specifying representatives of the Department of Environmental Quality Promotion, as a fifth composition, Currently, the department has changed its name according to the Royal Decree to be Department of Climate Change and Environment 2023 on August 15, 2023 and the Ministerial Regulation on the Organization

Division of the Department of Climate Change and environment, Ministry of Natural Resources and Environment 2023 on 17 August 2023, Secretariat. Therefore, brought it to the meeting to consider adjusting. Representative of the Department of Environmental Quality Promotion Being a representative of the Department of Climate Change and Environment.

#### **The meeting provide feedback**

The representative of the Department of Tourism requests including Office of the Permanent Secretary, Ministry of Tourism and Sports and Office of the National Water Resources in the composition of the NCA project steering committee. Due to, both agencies can provide the important operational information related to the NCA project.

**Resolution of the meeting** Agreed to amend the composition of the NCA Project Steering Committee from "Representatives of the Department of Environmental Quality Promotion" to "Representatives of the Department of Climate Change and Environment" and add the Office of the Permanent Secretary, Ministry of Tourism and Sports. and the National Water Resources Office in the composition of the said committee.

#### **4.2 Budget support for the natural capital account project for policy decision-making towards sustainable development**

Representative of the Biodiversity Management Division, as a member and deputy secretariat, informs the meeting that the NCA project received budget from the Global Environment Facility (GEF), 6 times, in the field of biodiversity in the amount of 2,000,000 US dollars. The 8 related agencies in Thailand, including The Office of the National Economic and Social Development Council, Ministry of Tourism and Sports (Tourism Authority of Thailand and Department of Tourism), National Science and Technology Development Agency (NSTDA), Royal Forest Department, Department of Water Resources, Department of Marine and Coastal Resources, Krabi Provincial Office, Krabi Provincial Natural Resources and Environment Office and the Office of Natural Resources and Environmental Policy and Planning (ONEP) must support the budget in non-monetary form (in-kind) in 3 times, total 6,000,000 US dollars.

In 2022, ONEP, as the owner of the NCA project, supported contribution budget for USD 123,959. In 2023, agencies within Thailand should support a non-monetary (in-kind) budget in the amount of 2,567,369 US dollars. Therefore, the secretariat requests the meeting for consideration to approve the support of the non-monetary contribution budget (in-kind) for the year 2023 and agree to add relevant agencies to support the contribution budget. ONEP will send a letter to the relevant agencies to consider and certify non-monetary (in-kind) budget support for the year 2023, By March 2024.

#### **The meeting provide feedback**

Representatives of the Office of the National Economic and Social Development Council, representatives of the Department of Water Resources, and the Chairman ask the secretariat prepare the document informing the method for calculating the contribution budget in a non-monetary form (in-kind) in the actual field for the agency to use as a guideline for calculating the contribution budget.

**Resolution of the meeting** Agreed to support the contribution budget in non-monetary form (in-Kind) for the year 2023 (January 2023 - December 2023) in the amount of 2,567,369 US dollars by providing a letter from the secretariat to request agencies within Thailand that can provide additional support for the contribution budget along with sending the method for calculating the budget.

### 4.3 Project implementation and operational plan for the year 2024

TDRI, as a member and deputy secretariat, informs the implementation and operational plans for 2024 as follows:

**Component 1:** Policies making and creating incentives to support natural capital integration at the national level. In 2024, TDRI and the Geo-Informatics and Space Technology Development Agency (GISTDA) will develop a geographic information database (GIS) to be used in evaluating the value of natural resources and ecosystem services in the water management sector and tourism sector. Then, select the marketing tools/mechanisms to integrate natural capital account into relevant national policies.

**Component 2:** Integration of natural capital account into provincial and local development plans. TDRI consulted with government and private agencies in Krabi province in 2023. In 2024, the information from consultations to explore activities that affect the tourism sector and water management in 6 locations which were collected and analyzed data will be evaluated, TDRI considers and selects for valuation based on the clarity of the sea water. This is because it is a factor that affects rare species, ecosystems services, water resources and tourism of the province This, along with an assessment of sea water clarity, can be taken into 3 natural capital accounts model. The three types of natural capital are seawater quality models, Valuation of Sea Water, and seawater cost-benefit. Fund establishment which is specified in the employment requirements and the 5-year operational plan. It may be necessary to consider the possibility in practice again.

**Component 3:** Documents, brochures, and media to enhance knowledge and awareness. Building a Network for Integrating Natural Capital Account. TDRI reports that the project is still in its early stages, there is not enough information to present it. However, TDRI has coordinated with the producers of public relations media to develop the NCA project website and prepare the media for publication that will enhance the knowledge and understanding for the public

TDRI , as deputy secretariat, requests for consideration and approval or additional suggestions for project implementation and operational plans for 2024.

#### **The meeting provide feedback**

UNEP representatives expressed the following views:

1. TDRI should present its implantation plan to the members in a way that is easier to understand. for instance, how natural capital account can be integrated into national policy. and how the marketing tools/mechanisms will be used in preparing such accounts.

2. selecting marketing tools/mechanisms should classify the buyers (those who get the benefits from the natural resources) and the sellers (those who take care of natural resources). Then, consider those who have an impact on these natural resources.

3. The principles of the NCA project should show the roles and cooperation of stakeholder groups regarding the conservation and use of terrestrial areas that affect water quality and tourism management.

The representative of the National Science and Technology Development Agency (NSTDA) has an opinion on selecting marketing tools/mechanisms that can create incentives for conservation and sustainable use of biodiversity and ecosystems should receive the opinions from all sectors, especially civil society sector.

Representative of the Tourism Authority of Thailand has an opinion regarding the natural capital account model in the part of (Valuation of Sea Water) Visitation = Total Cost, Season, Income (Nationality), Water Quality, that Income (Nationality) should also collect from Spending Travel Per Trip data because it is data that align with the problem in preparing the natural capital account model which can find the information on the website of the Ministry of Tourism and Sports.

Representative of the Office of the National Economic and Social Development Council has feedback on the establishment of the fund that it may not be possible to proceed due to legal restrictions. The chairman comments that TDRI should address the alternatives that should be proposed, such as using existing funds, the Environmental Fund. Issuing local ordinances to collect fees, land trading fees or discuss with the Ministry of Finance to find another way.

Representative of the Department of Water Resources has feedback on the NCA project implementation plan, there are activities related to many sectors. Therefore, it should be determined what information or activities each sector can support. In order to provide clarity in further cooperation.

**Resolution of the meeting** Agreed on the project implementation and operational plan for 2024. TDRI revises its 5 year and 1-year and adds the following issues

1. Prepare an operational plan with defining the clear steps, output, and outcomes.
2. The meetings of the NCA Project Steering Committee shall be held more frequently, initially requesting to be 2 times per year. This may be changed if the report reflects that the goals cannot be achieved as specified.

## **Agenda 5     Any other business**

None

**Meeting ends 16.00 PM.**

## **Appendix 4 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. 1/2025**

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. 1/2025 on **13 March 2025**, 13.30 – 16.30 PM ONEP, Meeting room 1001 Tipco Tower 2 and Online, Bangkok Thailand

### **Project Steering Committee members attending**

- |     |   |          |
|-----|---|----------|
| 1.  | Mr.Songkiat Tatayanont<br>Deputy Secretary-General,<br>Office of Natural Resources and Environmental Policy and Planning          | Chairman |
| 2.  | Ms. Kobkul Pitarachart<br>Specialist in developing tourist attractions<br>Department of Tourism                                   | Member   |
| 3.  | Mr. Nuntapon Nongharnpitak<br>Land Use Planning Specialist,<br>Department of Land Development                                     | Member   |
| 4.  | Mr.Pipat Ruangngam<br>Mass Promotion and Coordination Specialist<br>Representative of Department of Water Resource                | Member   |
| 5.  | Ms.Panumas Ladpala<br>Specialist in Forest Conservation Research,<br>Department of National Park, Wildlife and Plant Conservation | Member   |
| 6.  | Mr. Charan Thep-Uayphon<br>Environmental specialist<br>Office of The National Water Resources                                     | Member   |
| 7.  | Mr. Jiras Poonsap<br>Director of Statistics Management Division<br>The National Statistical Office of Thailand                    | Member   |
| 8.  | Mr.Surachai kulthong<br>Environmentalist, Professional Level.<br>Provincial Office of Natural Resources and Environment Krabi     | Member   |
| 9.  | Ms. Orapa Suwattano<br>Fishery Biologist, Professional Level<br>Department of Marine and Coastal Resources                        | Member   |
| 10. | Ms. Weerana Samphiwong<br>Scientist, Senior professional level<br>Royal Forest Department   | Member   |

- |     |  |                                  |
|-----|--|----------------------------------|
| 11. | Ms.Chanuchakul Supirak<br>Environmentalist, Senior professional Level<br>Department of Climate Change and Environment.   | Member                           |
| 12. | Mr. Watcharaphon Phumkaew<br>Plan and Policy Analyst, Senior Professional Level<br>Office of the National Economic and Social Development Council  | Member                           |
| 13. | Ms. Watcharin Meerod<br>Acting Director of Biotechnology Research Unit<br>National Science and Technology Development Agency   | Member                           |
| 14. | Ms.Tippamars Taracheewin.<br>Environmentalist Senior Professional Level.<br>Office of International Cooperation<br>Office of the Permanent Secretary Ministry of Natural Resources and Environment | Member                           |
| 15. | Ms.Phavilai Chalamat<br>Plan and Policy Analyst, Professional Level.<br>Office of the Permanent Secretary, Ministry of Tourism and Sports  | Member                           |
| 16. | Ms. Piyarat Hunthong<br>Bioeconomy Development Officer<br>Biodiversity-Based Economy Development Office (Public Organization)  | Member                           |
| 17. | Ms. Kavita Sharma<br>Task Manager<br>United Nations Environment Programme  | Member                           |
| 18. | Mrs. Katunchalee Thammakul<br>Director of Biodiversity Management Division<br>Office of Natural Resources and Environmental Policy and Planning  | Member<br>and Deputy Secretariat |
| 19. | Ms.Benchamaporn Wattanatongchai<br>Environmentalist – Senior Professional Level<br>Office of Natural Resources and Environmental Policy and Planning   | Member<br>and Deputy Secretariat |
| 20. | Mr.Adis Israngkura<br>Project Manager<br>Representative of the NCA project consultant  | Member<br>and Deputy Secretariat |

**Non-attendants**

- |    |                               |        |
|----|-------------------------------|--------|
| 1. | Tourism Authority of Thailand | Member |
|----|-------------------------------|--------|

**Attendees**

- |    |                           |  |
|----|---------------------------|--|
| 1. | Mr.Peerayot Sidonrusmee   | United Nations Environment Programme         |
| 2. | Ms.Ratsadaporn Khunnarong | Department of Climate Change and Environment |
| 3. | Ms.Narissara Chanphet     | The National Statistical Office of Thailand  |

4.	Ms. Sarotcha Suksumek	Department of Water Resources
5.	Ms. Phisutthini Charoensri	Royal Forest Department
6.	Mr.Chatchai Inthankaew	Biodiversity-Based Economy Development Office (Public Organization)
7.	Ms. Somawan Sukprasert	Office of Natural Resources and Environmental Policy and Planning
8.	Ms. Tassanathon Phumiyut	Office of Natural Resources and Environmental Policy and Planning
9.	Ms. Wannapa Maneekul	Office of Natural Resources and Environmental Policy and Planning
10.	Ms. Supawin Kuhathanasathian	Office of Natural Resources and Environmental Policy and Planning
11.	Ms. Jutharat Rodpuang	Office of Natural Resources and Environmental Policy and Planning
12.	Ms. Wilawanee Manthiralai	Office of Natural Resources and Environmental Policy and Planning
13.	Mrs.Thippawan Keawmesri	Thailand Development Research Institute
14.	Prinyarat Leangcharoen	Thailand Development Research Institute
15.	Ms.Kanjana Yasen	Thailand Development Research Institute
16.	Ms.Panida Phranphanat	Thailand Development Research Institute
17.	Peerawat Suriyaburaphakul	Thailand Development Research Institute
18.	Pichamon Keakij	Thailand Development Research Institute
19.	Ms.Chonthicha Homklinkaew	WHAT IF Co., LTD

**Meeting starts** 13.30 PM.

### **Agenda 1 Chairman's Report**

Mr.Songkiat Tatayanont, Deputy Secretary-General, Office of Natural Resources and Environmental Policy and Planning (ONEP), Informed the meeting that the Secretary-General of the ONEP was occupied and was therefore assigned to him to be a chairman for the 1/2025 meeting of the Steering Committee for the Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes (NCA) Project. All committee members were requested to provide suggestions for the implementation of the NCA Project to achieve the set objectives within the specified time frame and for the Secretariat to proceed according to the meeting agenda.

**Resolution of the meeting** Acknowledged

### **Agenda 2 Approval of the Report No. 1/2023 9 February 2023**

The Secretariat informed the meeting of the minutes of the NCA Project Steering Committee Meeting No. 1/2024 on 22 February 2024, which was circulated to the Committee for revision and approval on 29 March 2024. In this regard, the Secretariat has revised the report in accordance with the Committee's comments.

**Resolution of the meeting** Acknowledged

## **Agenda 3      Matter for Report**

### **3.1 Amendment to the Appointment Order of the Steering Committee for the Project: Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes**

Representative of the Biodiversity Management Division, as a committee member and secretariat, informed the meeting to be aware of the amendments to the order appointing the NCA Project Steering Committee No. 1/2024 by changing the name of the Department of Environmental Quality Promotion to the Department of Climate Change and Environment and adding a representative of the Office of the Permanent Secretary, Ministry of Tourism and Sports, a representative of the Office of National Water Resources

**Resolution of the meeting** Acknowledged

### **3.2 Overview of the Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes**

Representative of the Biodiversity Management Division, as a committee member and secretariat, resented the overview of the NCA project to the meeting as follows:

1. The NCA project received a budget from the Global Environment Fund, Round 6, Biodiversity Branch, in the amount of 2 million US dollars, with a project duration of 54 months, which will end in February 2027. The ONEP is the project owner, the United Nations Environment Programme (UNEP) is the project management agency, and the Thailand Development Research Institute Foundation (TDRI) is the project consultant.

2. The objective of the NCA project is to integrate natural capital into policy-making and operations in key economic sectors, namely tourism and water management, at both local and national levels, and to promote the protection and mitigation of impacts from production sectors on biodiversity and ecosystem services, through 3 main components:

2.1 Policies and incentives to support the integration of natural capital, which consists of two outputs: the development of a conceptual framework for national natural capital accounting (Output 1.1) and the promotion of the integration of natural capital accounting according to the conceptual framework into national policies, plans and budget systems (Output 1.2).

2.2 Integrating natural capital accounts into provincial development plans consists of 3 outputs. The conceptual framework in Output 1.1 will be used to test the natural capital accounting for the tourism and water resource sectors in Krabi Province (Output 2.1). Then, such natural capital accounting information must be integrated into provincial government administration policies, plans, and budgets (Output 2.2) so that the natural capital accounting information can influence decision-making in the management of natural resources in the coastal marine ecosystem and watersheds, which are the natural capital of Krabi Province (Output 2.3).

2.3 Information exchange, awareness building and networking for natural capital accounting integration consists of 2 outputs: disseminating and transferring natural capital accounting information to government agencies, the private sector, NGOs, local communities and educational institutions so that all

relevant sectors have knowledge (Output 3.1) and awareness of natural capital accounting and can utilize such accounts to expand cooperation in further operations (Output 3.2).

3. The NCA project implementation is monitored by (1) Project Implementation Review: PIR and (2) Progress Report annually. The project consultants must submit the report to ONEP and UNEP for consideration and approval. In addition, UNEP has assigned the Evaluation Office (EO) to prepare (3) the Mid-Term Review of the UNEP Project and (4) the Terminal Evaluation (TE). The UNEP Evaluation Office (EO) will conduct the evaluation of the efficiency and effectiveness of the project and provide recommendations.

**Resolution of the meeting** Acknowledged

### **3.3 Report on the results of the mid-term review of the implementation Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes**

The representative of the Biodiversity Management Division, as a committee member and deputy secretariat, presented the report of the NCA project's mid-term review results, which the UNEP Evaluation Office, assigned an independent evaluator, Dr. Anouska Kinahan, to report the mid-term implementation review during November - December 2024. The overall evaluation results of the NCA project were at Level 4 (Moderately Satisfactory) from Level 1 (Highly Unsatisfactory) to Level 6 (Highly Satisfactory). The evaluators presented the strengths, weaknesses, and recommendations for implementation as follows:

1. Strengths include project implementation consistent with the scope of work, giving importance to gender equality in various meetings, budget disbursement on time and financial auditing, and good operational system using the project steering committee and provincial working group.

2. Weaknesses include the lack of data linkage from each sub-activity, resulting in no clear output in the main activity, resulting in limited project output, work quality not in line with costs, the overall project is delayed, and there is a lack of awareness-raising and information exchange with stakeholders, resulting in the project not receiving complete information support. The project has several sub-contracts, but supervision is not as effective as it should be due to a lack of monitoring and inspection. In addition, the project operators do not have sufficient academic knowledge of the main issues and understanding of the overview.

3. Recommendations include: There should be more monitoring, supervision and feedback on the implementation of the project. There should be more discussions between project operators, promoting stakeholder participation so that these groups can provide information and feel more ownership of the project, prioritizing activities and promoting the empowerment of gender groups and marginalized communities, and involving international experts to support the implementation of the project.

#### **The meeting provided feedback**

Representative of National Science and Technology Development Agency (NSTDA) suggested that if the weakness in the NCA project implementation is the lack of academic knowledge, the project consultant can propose issues that need support and exchange academic information with the agencies in the committee.

Representative from the Department of Tourism proposed that the independent evaluator’s recommendations on strengthening marginalized communities be taken into account by the project consultant, specifically suggesting the inclusion of the Urak Lawoi group in the implementation of activities under the NCA project

Representative from Department of Water Resources viewed that the stakeholders in the project are still unclear, including the knowledge and academic techniques to be used in the project are new and difficult to understand, causing the project to not receive the necessary information support.

The Chairman asked the committee to acknowledge the report on the results of the NCA project performance review for the mid-term period by the independent evaluator, and asked the Board to ask questions and provide suggestions during the agenda for further consideration.

**Resolution of the meeting** Acknowledged

## **Agenda 4 Matter for Report**

### **4.1 Implementation of the project Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes during August 2022 – December 2024**

The Director of the Biodiversity Management Division, as a committee member and secretariat, informed the meeting that TDRI, as the project consultant, had prepared a progress report on the NCA project between August 2022 and December 2024 for consideration and approval by ONEP and UNEP. The report showed the activities and expenses of the operations according to the scope of work, with 2 activities completed, 16 activities in progress, and 23 activities not yet in progress. In this regard, TDRI presented problems and obstacles and requested adjustments to 3 operations activities as follows:

Activity 2.2.1 Adjusted from “Prepare a natural capital account data system for tourism and water resources at the provincial level (Krabi) annually” to “Integrate the natural capital accounts for tourism and water resources in Krabi Province into the National Tourism Satellite Account (TSA) and the National Water Resources Satellite Account (WRSA) annually.”

Activity 2.2.2 Adjusted from “Developing a natural capital accounting system for tourism and water resources to be consistent with the preparation of the Krabi provincial development plan and local budget” to “Improve the Krabi provincial development plan and provincial budget to support the Krabi provincial natural capital accounting system”.

Activity 2.2.7 is adjusted from “Applying the Polluter Pays Principle (PPP) to conserve, mitigate and restore degraded habitats in watershed forests and marine and coastal ecosystems” to “Identifying opportunities for public-private partnerships (PPPs) to conserve, mitigate and restore degraded habitats in watershed forests and marine and coastal ecosystems”.

However, TDRI, as a committee member and secretariat, would like to withdraw the adjustment of activities 2.2.1 and 2.2.2, and will bring it back to discuss the feasibility of the operation again and ask the committee to consider and provide suggestions for the adjustment of activities 2.2.7.

### **The meeting provided feedback**

Representatives from the Department of Water Resources viewed that the presentation of project progress, which only considered activities that were completed, in progress, and not yet implemented, could be seen as delayed. Therefore, it was proposed to present a diagram showing the success of the project, which would help show the progress details of activities that are in progress and may be nearing completion. In addition, asking about monitoring the progress of the project, whether it was carried out by calendar year or fiscal year.

The Director of the Biodiversity Management Division stated that TDRI has assessed the progress of the implementation of the activities as a percentage, which is specified in the meeting documents. As for the monitoring of the project progress, it will be carried out according to the calendar year.

Representatives from the Department of National Parks, Wildlife and Plant Conservation proposed the creation of a one-page project progress report so that the project steering committee can see the overall picture of the project's achievement of its goals.

The TDRI acknowledged the project's delays, as past operations were not in order due to waiting for data and lack of experts from various sectors. Therefore, TDRI chose to study the market tools/mechanisms (Marker-based Instruments: MBI) for pilot area operations first to integrate data for natural capital accounting, but there are still problems with local regulations. In addition, TDRI has discussed with NGOs that support environmentally friendly tourism but has not discussed with marginalized communities such as the Urak Lawoi group. In the future, TDRI will discuss with related agencies more. Therefore, the overall project has many ongoing activities, which affects the operations of the remaining activities. TDRI has reported the overall obstacles to the project's operations to UNEP.

A representative of the National Science and Technology Development Agency commented that TDRI can report problems and obstacles to the project steering committee so that relevant agencies can provide information and suggestions for operations, especially data and academic operations.

The Chairman made the following suggestions:

1) TDRI can formally submit obstacles in the implementation of the project to ONEP so that they can jointly find solutions. However, if such obstacles are policy-level operations that fall under the authority of ONEP, ONEP can find solutions using existing mechanisms, such as the Subcommittee and related committees. In the case of obstacles in terms of information and technical academic issues, ONEP may consider establishing a working group under the Project Steering Committee to help drive the implementation of the project.

2) Evaluating progress in percentage may cause misunderstanding among the committee members. Therefore, please set the evaluation criteria. If there is no tangible progress, it should be stated as 0 percent. However, if there is tangible progress, the percentage of progress can be evaluated.

3) Since the current project implementation period has passed more than half of the plan, and there are still many activities that need to be implemented, it may result in the output and results of the activities

not achieving the project goals. Therefore, TDRI is requested to classify and identify the main and secondary activities that need to be implemented to achieve the output and project goals by creating an implementation plan that specifies the goals each year so that the success of the project goals can be assessed.

4) Request to hold a meeting of the Project Steering Committee at least twice a year. If a working group is established, it can meet as often as necessary, including meetings between ONEP, UNEP, and TDRI to jointly resolve obstacles.

The representative of the Department of Water Resources reported that the 1/2567 meeting on 22 February 2567 suggested holding a meeting of the Project Steering Committee at least twice a year. In that meeting, the Department of Water Resources proposed to consider including wetlands in Krabi Province in the project. Therefore, I would like to inquire about the implementation of this part.

TDRI clarify that wetlands have been included in Krabi province in the project implementation details.

The representative of the Biodiversity Management Division requested the meeting to consider TDRI's proposal to change Activity 2.2.7 from "Applying the Polluter Pays Principle (PPPs) to conserve, mitigate and restore degraded habitats in watershed forests and marine and coastal ecosystems" to "Identifying opportunities for public-private partnerships (PPPs) to conserve, mitigate and restore degraded habitats in watershed forests and marine and coastal ecosystems."

The representative of the UNEP commented that the meaning of Polluter Pays Principle and Public-Private Partnership are not the same and cannot be used interchangeably. However, in the context of Activity 2.2.7, which focuses on mitigating impacts and restoring degraded habitats in watershed forests and marine and coastal ecosystems, which requires cooperation from all sectors, the use of the Public-Private Partnership method is more appropriate for the operation. Therefore, it is considered that this activity can be adjusted according to the TDRI proposal.

### **Meeting resolution**

1. Approve the progress report of the NCA project between August 2022 - December 2024, with TDRI adjusting the percentage of the progress assessment results to be consistent with the operations by March 20, 2025 and submitting it to ONEP for consideration and approval, to be forwarded to UNEP for consideration and approval of the operating expenses.

2. Approved the modification of Activity 2.2.7 to "Identify opportunities for public-private partnerships (PPPs) in the conservation, mitigation and restoration of degraded habitats in watershed forests and marine and coastal ecosystems" as proposed by TDRI.

3. Agree that TDRI formally submits issues and obstacles to ONEP to find ways to support the project implementation.

4. Agree to establish working groups as necessary and hold NCA Project Steering Committee meetings at least twice a year.

## 4.2 Project implementation plan for Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes during 2025 - 2026

TDRI, as a member and assistant secretariate, informed the meeting about the NCA project implementation plan during 2025 - 2026 according to the following NCA project components:

1. Policy and incentive development to support the integration of natural capital at the national level, which TDRI will work to achieve the following outcomes: 1.1 Development of a conceptual framework for the national natural capital accounting by interviewing officials from agencies involved in the preparation of national accounts and natural capital accounting, such as the Office of the Permanent Secretary of the Ministry of Tourism and Sports, and the National Economic and Social Development Board, regarding the preparation of national accounts that include natural capital. Output 1.2 Integration of data for the preparation of natural capital accounting into the policy, plan, and budget system levels, with policy recommendations to link the NCA accounting system data (tourism and water resources sectors) with the development of the Medium-Term Expenditure Framework (MTEF) and the 13th National Economic and Social Development Plan.

2. Integrating natural capital accounts into provincial development plans, which TDRI will work on to achieve: Output 2.1: Preparing natural capital accounts for tourism and water resources in Krabi Province by starting with the analysis of natural capital data in Krabi Province, interviewing representatives of the Pollution Control Department, and starting with the preparation of national accounts for tourism in Krabi Province. Output 2.2: Establishing a provincial natural capital account data collection system, integrated into the policies, plans, and budgets of Krabi Province. Nature by discussing with the Department of Marine and Coastal Resources, interviewing the Enlive Foundation, and Output 2.3: Operations to mitigate environmental impacts, restore, and protect capital by coordinating and discussing with the GreenFins project and surveying small-scaled tourism establishments.

3. Information exchange, awareness raising and networking for natural capital accounting integration, which TDRI will work on to achieve Output 3.1: dissemination and transfer of data preparation in natural capital accounting system, and Output 3.2: knowledge provision to build broad capacity for natural capital accounting system preparation.

### **Feedback of the Meeting**

The Chairman suggested on the NCA project implementation plan for 2025-2026, which did not show clear annual targets, making it impossible to show the progress of the project implementation in the last 2 years. Therefore, TDRI is requested to set a target to be completed in 2025 first, and to specify activities that support the implementation of the targets, and to submit them to the project steering committee for further consideration.

A representative of the Office of the National Economic and Social Development Council commented that:

1. The project to find possible ways to use natural capital accounting for decision-making, policy making, planning, and management of tourism and water management in Krabi Province is a good idea and should be

expanded to other provinces. Therefore, we would like TDRI to prepare a plan or suggestions to expand the concept of natural capital accounting to other provinces, which will support the sustainability of the project.

2. The activities in Output 2.1, which TDRI wants to withdraw in Agenda 4.1, still exist in the NCA Project Operation Plan during 2025-2026 of Agenda 4.2, which is the activity “Integrating the Natural Capital Accounts in the Tourism Sector and Water Resources in Krabi Province into the National Tourism Satellite Account (TSA) and the National Water Resources Satellite Account (WRSA)”. Therefore, TDRI is requested to re-examine.

The Director of the Biodiversity Management Division, as the Secretariate, considered the operations to achieve Productivity 1.2 by linking the data of the natural capital accounts in the tourism sector and water resources with the 13th National Economic and Social Development Plan (2023 - 2027), and saw that the operations could not be carried out because the development period of the said plan had ended.

Representatives of the National Science and Technology Development Agency considered the operation to achieve the 2.3 Environmental Impact Mitigation and Natural Capital Restoration and Protection by establishing a fund with income from marketing tools/mechanisms in Krabi province. However, considering the current situation of Thailand, it may be unlikely. Therefore, TDRI should have a backup plan or suggestions to use instead of establishing such a fund.

The representative of the Department of Water Resources believes that if TDRI prepares an NCA project implementation plan that shows the goals that must be implemented by breaking down activities into annual steps, and is completed, please inform the NCA project steering committee for consideration and approval.

#### **Meeting resolution**

Agreed in principle by having TDRI prepare an NCA project implementation plan that lists the goals that must be accomplished by breaking down activities into annual ones and submitting them to the ONEP by March 20, 2025 to circulate to the NCA project steering committee for consideration and approval.

#### **Agenda 5 Other matters**

None

**Meeting finished at** 16.00 PM.

## **Appendix 5 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. 2/2025**

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. 2/2025 on **21 August 2025**, 09.30 AM – 12.00 PM ONEP, Meeting room 1003 Tipco Tower 2 and Online, Bangkok Thailand

### **Project Steering Committee members attending**

- |     |   |          |
|-----|---|----------|
| 1.  | Mr. Songkiat Tatayanont<br>Deputy Secretary-General,<br>Office of Natural Resources and Environmental Policy and Planning   | Chairman |
| 2.  | Mr. Charan Thep-Uayphon<br>Environmental Specialist<br>Office of The National Water Resources   | Member   |
| 3.  | Mr. Nuntapon Nongharnpitak<br>Land Use Planning Specialist,<br>Department of Land Development   | Member   |
| 4.  | Mr. Sombat Kitjaruwong<br>Acting Nature Resources and Environment Specialist,<br>Office of the National Economic and Social Development Council   | Member   |
| 5.  | Ms. Chanuchakul Supirak<br>Environmentalist, Senior Professional Level<br>Department of Climate Change and Environment  | Member   |
| 6.  | Ms. Siriwan Pornlerdwivat<br>Director of Strategy and Planning Division<br>Office of the Permanent Secretary, Ministry of Tourism and Sports  | Member   |
| 7.  | Ms. Nuntawan Lhaorit<br>Director of Water Resources Division<br>Department of Water Resources   | Member   |
| 8.  | Ms. Watcharin Meerod<br>Acting Director of Biotechnology Research Unit<br>National Science and Technology Development Agency  | Member   |
| 9.  | Ms. Weerana Samphiwong<br>Scientist, Senior Professional Level<br>Royal Forest Department   | Member   |
| 10. | Ms. Tippamars Taracheewin.<br>Environmentalist Senior Professional Level.<br>Office of International Cooperation<br>Office of the Permanent Secretary Ministry of Natural Resources and Environment | Member   |

- |     |   |                                  |
|-----|---|----------------------------------|
| 11. | Ms. Malaiporn Tasen<br>Specialist in Forest Conservation Research,<br>Department of National Park, Wildlife and Plant Conservation                    | Member                           |
| 12. | Mr.Surachai Kulthong<br>Environmentalist, Professional Level.<br>Provincial Office of Natural Resources and Environment Krabi                         | Member                           |
| 13. | Ms. Weena Larbjaturaphuch<br>Specialist in Developing Tourist Attractions. Professional Level<br>Department of Tourism                                | Member                           |
| 14. | Ms. Ornthima Yamchutii<br>Bioeconomy Development Officer<br>Biodiversity-Based Economy Development Office (Public Organization)                       | Member                           |
| 15. | Ms. Allyson Anne Tinney Rivera<br>Task Manager<br>United Nations Environment Programme  | Member                           |
| 16. | Mrs. Katunchalee Thammakul<br>Director of Biodiversity Management Division<br>Office of Natural Resources and Environmental Policy and Planning       | Member<br>and Deputy Secretariat |
| 17. | Ms. Benchamaporn Wattanatongchai<br>Environmentalist – Senior Professional Level<br>Office of Natural Resources and Environmental Policy and Planning | Member<br>and Deputy Secretariat |
| 18. | Mr.Adis Israngkura<br>Project Manager<br>Representative of the NCA Project Consultant   | Member<br>and Deputy Secretariat |

**Non-attendants**

- |    |   |        |
|----|---|--------|
| 1. | Department of Marine and Coastal Resources  | Member |
| 2. | Tourism Authority of Thailand               | Member |
| 3. | The National Statistical Office of Thailand | Member |

**Attendees**

- |    |                                 |   |
|----|---------------------------------|---|
| 1. | Mr. Peerayot Sidonrusmee        | United Nations Environment Programme                              |
| 2. | Ms. Ratsadaporn Khunnarong      | Department of Climate Change and Environment                      |
| 3. | Ms. Winorn Dhulayakasem         | Office of International Cooperation                               |
| 4. | Ms. Premika Passakul            | Office of The National Water Resources                            |
| 5. | Ms. Pimchanok Chaimongkolsathit | Office of The National Water Resources                            |
| 6. | Ms. Phawilai Chalamad           | Ministry of Tourism and Sports                                    |
| 7. | Ms. Somawan Sukprasert          | Office of Natural Resources and Environmental Policy and Planning |
| 8. | Ms. Wannapa Maneekul            | Office of Natural Resources and Environmental Policy and Planning |

- |     |                               |   |
|-----|-------------------------------|---|
| 9.  | Ms. Supawin Kuhathanasathian  | Office of Natural Resources and Environmental Policy and Planning |
| 10. | Ms. Jutharat Rodpuang         | Office of Natural Resources and Environmental Policy and Planning |
| 11. | Ms. Wilawanee Manthiralai     | Office of Natural Resources and Environmental Policy and Planning |
| 12. | Mrs. Thippawan Keawmesri      | Thailand Development Research Institute                           |
| 13. | Mr. Peerawat Suriyaburaphakul | Thailand Development Research Institute                           |

**Meeting starts** 09.30 AM.

### **Agenda 1 Chairman’s Report**

Mr. Songkiat Tatayanont, Deputy Secretary-General, Office of Natural Resources and Environmental Policy and Planning (ONEP), welcomed attendees and informed the committee that due to the duration of the Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes (NCA) Project is ending soon, more frequent meetings must be held to be informed of the project’s progress and accelerate operations. All committee members were requested to provide suggestions and information for the continued implementation of the NCA project. Moreover, if an agenda item has incomplete information, the Secretariat is requested to present the agenda item in the next meeting, including consideration of the authority of the Steering Committee, whether it can provide suggestions or comments on such matters.

The Director of Biodiversity Management Division, as a committee member and Secretariat, requested to withdraw agenda item 4.2 NCA Project Funding due to incomplete information.

**Resolution of the meeting** Acknowledged

### **Agenda 2 Approval of the Report No. 1/2025 13 March 2025**

The Director of Biodiversity Management Division, as a committee member and Secretariat, informed the meeting of the minutes of the NCA Project Steering Committee Meeting No. 1/2025 on 13 March 2025, which was circulated to the Committee for revision and approval. On 25 March, 2025, representatives from the Department of National Park, Wildlife and Plant Conservation and the Office of the National Water Resources requested revisions. In this regard, the Secretariat has revised the report in accordance with the Committee's comments and would like to request the Committee’s approval of the revised report.

**Resolution of the meeting** Approved the NCA Project Steering Committee Meeting Minutes No. 1/2025

### **Agenda 3 Matter for Report**

#### **3.1 Outcomes of the Provincial Working Group (PWG) Meeting for implementing NCA for the tourism and water resource sectors in Krabi Province No. 1/2025**

Representative of Biodiversity Management Division, as a committee member and Secretariat, informed the meeting on the outcomes of the PWG Meeting for implementing NCA for the tourism and water resource sectors in Krabi Province on 24 July, 2025, with Mr. Nithiwuth Rawiwan, Director of the Provincial Office of Natural Resources and Environment Krabi, as the chairman for the meeting. The Provincial Working Group consists of 33 agencies, with the Director of Biodiversity Management Division and Thailand Development Research Institute

(TDRI) as project advisors joining the PWG and as the Secretariat. The aforementioned meeting considered market-based instruments (MBI) presented by TDRI. Four types of instruments were introduced to pilot funding activities to motivate conservation and resource use in Krabi sustainably. Nevertheless, the key points of considering the MBIs during the PWG are as follows:

Collecting a trash bag fee instead of monthly garbage collection fees would affect those who need to discard many trash bags, making them pay more. This method hopes to reduce the amount of trash in Krabi. However, the PWG Committee viewed that using trash bags from the municipality may monopolize the distribution of trash bags and could have legal challenges. Therefore, a consultation with local stakeholders should be conducted to ensure the suitability of the MBI

A beach land tax was presented for the local municipality to consider to collect an additional tax or fee on land with a beachfront, for hotels, resorts, or accommodations with beachfront areas, particularly those with sea view rooms. However, the committee, especially representatives of hotel businesses owners, viewed this tax to be unsuitable as tourism in Krabi is still recovering after COVID-19, and the tax may be too burdensome on business owners.

Installing small-scale wastewater management systems in coastal communities (in Krabi) for local residents and business owners (SMEs) who do not have wastewater management systems. The PWG committee informed the meeting that currently, Krabi has a need for wastewater management systems, however, there are issues regarding where to construct (install) the system and concerns about maintenance costs. Thus, it was suggested that the public sector would be the operating investor, and support any additional costs.

Collecting donations or a fee for tourists, the PWG Committee had concerns that the money collected would not be used for its intended purpose and there would be no clear agency to carry out implementation.

Nevertheless, PWG views that the suggestions aforementioned have not covered stakeholder groups and implementation would be difficult. The committee resolved for TDRI as Project Consultant of the NCA Project, to take the comments and recommendations from the PWG Committee to research MBI(s), ensuring that all aspects are covered and stakeholders are included before presenting to the PWG Committee to further review.

#### **The meeting provided feedback**

TDRI, as Project Consultant and Deputy Secretariat, gave additional information about MBI as follows: 1) collecting trash bag fees will have a plan requesting the private sector to operate in the form of an association, to produce and sell. The revenue after deducting production costs will be given to the Municipality in the form of donations. Nevertheless, this initiative hopes to reduce the overall number of trash bags by 20 to 30 per cent, as citizens become aware of the costs, the use of trash bags would decrease. This would lessen the burden of the Municipality in collecting trash and waste management. 2) installing a small-scale wastewater management system still has legal challenges. And 3) the system for collecting donations or fees from tourists will not be collected directly from tourists, but hotel business owners will communicate with tourists regarding environmental conservation for tourists to donate money, and hotel business owners will send the donated money to the person who is responsible for managing environmental conservation in Krabi. Nonetheless, the PWG Committee did not approve of the aforementioned MBI, however, TDRI views that collecting trash bag fees

has the highest feasibility for implementation. And Ao Nang's Subdistrict Administration Office has piloted this initiative to an extent.

Representative of the Office of the Permanent Secretary, Ministry of Tourism and Sports, commented as follows:

1) instead of collecting trash bag fees, there should be measures to reduce the amount of trash directly, for instance, a measure to reduce importing or bringing materials that may become trash on islands. 2) Krabi has an issue of insufficient fresh water for consumption on islands, which has yet to be resolved, especially during peak tourist seasons. Therefore, TDRI should further study the aforementioned issue, including utilizing innovations to manage the issue discussed, such as desalination of seawater. And if TDRI uses an MBI to handle this problem, implementation can be done by calculating the number of tourists who check into hotels. This would make large hotels invest more into water management and infrastructure than small hotels or a measure to limit the number of hotel guests in accordance to the available amount of water resources can be considered as an MBI tool as well.

TDRI, as Project Consultant and Deputy Secretariat, informed that due to Krabi's focus on marine tourism, choosing an MBI tool is aimed to protect the clean and clear seawater through emphasizing measures to control wastewater and waste flowing into the sea. Additionally, data on wastewater and utility water can be used for continuous analysis, however, TDRI will accept suggestions regarding how to execute freshwater management.

The Director of the Biodiversity Management Division, as a committee member and Secretariat, presented additional information that Mr. Anuwut Mhodpring, Deputy Provisional Governor of Krabi, had suggested prior to the PWG meeting that focusing solely on seawater may not fully cover Krabi's water issues. Thus, issues of water scarcity and wastewater should be considered as well.

Representative of the Department of Water Resources providing the following feedback: 1) Similar to Phuket, Krabi also faces issues with freshwater shortages during the dry season. Phuket has implemented a project on producing freshwater from seawater to resolve the aforementioned issue. Nevertheless, the approach mentioned may have impacts on the environment, from chemical use from the production process and spatial limitation for system installment, which requires coastal areas that are limited. 2) Installing a wastewater management system is possible by developing small-scale systems or improving existing systems and using the technique of separating clean water and wastewater pipes to increase efficiency. And 3) cooperation between the public sector, private sector, and citizens should be explored, particularly Public-Private-People Partnership (PPP) to share cost burdens between the private sector and local government agencies, such as encouraging hotels to implement Corporate Social Responsibility (CSR) in addition to reducing environmental management fees for local government agencies.

TDRI, as Project Consultant and Deputy Secretariat, informed the meeting that a consultation meeting on MBI, emphasizing cooperational frameworks between the public sector, private sector, and locals during late August until early September 2025.

The Chairman views that the MBI presented might not be aligned with Krabi's current situation and needs to effectively solve it and asks TDRI to consider additional MBI tools with clear implementation guidelines and which agencies would be responsible. Then, there should be a comprehensive consultation meeting with relevant

stakeholder groups. Notwithstanding, TDRI is asked to accelerate operations as the end of the NCA Project is approaching.

**Resolution of the meeting** Acknowledged the meeting minutes of PWG Meeting No.1/2025 and requests the Project Consultant of the NCA Project to accept the PWG and the Committee's suggestions for continuing implementation of the project.

## **Agenda 4 Matter for Consideration**

### **4.1 Project implementation plan for the Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes Project (2025 - 2026)**

TDRI, as Project Consultant and Deputy Secretariat, informed the meeting that TDRI had a misunderstanding about the duration of the NCA Project. The initial understanding was that 54 months has been changed to 51 months, making the end date of the project, 30 June, 2026, in accordance with the Project Cooperation Agreement (PCA). Thus, there are 10 months left of this project. In this instance, TDRI intends to carry out all activities under component 1 and 2 and finish before the end of 2025. And will execute all activities under component 3 to finish before the end of March 2026. TDRI would like to request the committee to consider and approve the reduction of the NCA Project's implementation timeline, with the following details:

**Component 1** Formulating policy and creating incentives to support the integration of natural capital accounting on a national level, in which TDRI has almost finished developing a conceptual framework for implementing natural capital accounts on the national level (completed version) and has plans to execute other activities under component 1 from August to September 2025, comprising 1 activity regarding choosing an MBI to pilot in Krabi. And 9 activities are planned to be carried out from October to December 2025, which are related to policy suggestions for integrating natural capital accounting into relevant national strategies.

**Component 2** Integrating natural capital accounting into local development planning and operations, in which 10 activities are in progress and are planned to be continuously implemented until September 2025. These activities are related to assessing Krabi's tourism situation and water resources situation, piloting the MBI, developing, and testing sustainable financing mechanisms. Additionally, 4 activities are planned to be executed from October to December 2025, relating to supporting the development of alternative environmental tools or mechanisms, developing a business case to pilot the selected MBI, and establishing a trust fund to manage the income generated from the implemented MBI

**Component 3** Information sharing, raising awareness, and creating a network to integrate natural capital accounting, in which 1 activity (training workshop/session) on disseminating information about natural capital accounting and planned to be carried out from January to March 2025. Also, 3 activities are planned to be implemented from March to June 2025, relating to meetings to disseminate information and technical training on NCA implementation, including the promotion of PPP between the public sector, academics (scholars), civil society sector, and businesses relevant to the NCA Project.

### **The meeting provided feedback**

The Chairman views that the number of activities that are in progress under the NCA Project and under the new implementation plan are substantial, comparing to the remaining timeframe for this project. Thus, TDRI is requested to be prepared to propose measures to mitigate risks of potential delays in the implementation of activities within the established timeframe. TDRI is also requested to coordinate closely with ONEP to utilize ONEP's mechanisms in obtaining information from relevant government agencies. Concurrently, TDRI should procure a coordinator who is able to work at ONEP and TDRI to assist with the progression of the project's activities, ensuring that the project is implemented smoothly, efficiently, and delivers high quality outcomes that align with the project's objectives. After there is progress in implementation, it should be presented to the Project Steering Committee of the NCA Project, which should be held twice a year or more if necessary. This is for the committee to be informed and provide continuous feedback.

Representative of the National Science and Technology Development Agency, inquired TDRI on the following: 1) the guidelines for data collection and comparing ecosystem changes, 2) monitoring and evaluating the utilization of MBI in Krabi to ensure that the MBI can be used according to its design, 3) government entities, authorities, and responsibilities that will be engaged under the PPP framework, to ensure clarity and feasible implementation of the PPP cooperation, 4) the natural capital account that was identified as almost finished, can be used to assess workload and identify relevant agencies, which would accelerate project implementation.

TDRI, as Project Consultant and Deputy Secretariat, informed the meeting that MBI is still in the process of choosing which to pilot in Krabi. As for PPP, it is in the process of signing a consultant to carry out the activity, which is estimated to begin implementation on 1 September, 2025. The development of natural capital accounts, the progress is at 85 percent and will incorporate the committee's feedback to continue implementation until completion to align with the project's objectives.

Representative of the Office of the Permanent Secretary, Ministry of Tourism and Sports, inquired which agency would be responsible for data collection to develop natural capital accounts in the future.

TDRI, as Project Consultant and Deputy Secretariat, answered that it is undergoing the process of formulating policy suggestions. Initially, ONEP, the Office of the National Economic and Social Development Council, Krabi Province, the Geo-Informatics and Space Technology Development Agency, Biodiversity-Based Economy Development Office (Public Organization), along with other relevant agencies (within the water management sector and tourism sector), are identified as responsible agencies to collect data for the natural capital account in the future. Furthermore, the Ministry of Finance and the Budget Bureau may be considered to participate to jointly identify interested and capable agencies for sustainable implementation.

Representative of the National Science and Technology Development Agency, requested to consider the baseline year of the data used to develop the natural capital account, as the document indicated the implementation year as 2016 to 2020. However, the NCA project began implementation in 2023, which may result in incomplete data coverage of the project.

TDRI, as Project Consultant and Deputy Secretariat, informed the meeting that data from 2016 to 2020 (5 years) as the base-year data for developing the natural capital accounts because foreign experts advised that the base-line year period should be between 3 to 8 years, in addition to this, data from the Geo-Informatics and Space

Technology Development Agency was taken into consideration while choosing the base-year period. This was during the COVID-19 epidemic, where some changes are observable, such as the number of tourists, which is reflected in the state of natural resources and can explain the changes in the natural capital account table.

Representative of the Department of Tourism inquired about the guidelines, regulations, and funding methods for the trust fund, including the responsible agency and the beneficiaries from the trust fund.

TDRI, as Project Consultant and Deputy Secretariat, answered that the trust fund mentioned will be served as seed funding to support the project. This will be done through private sector associations to ensure transparency and for convenience. And there will be a governmental agency to provide technical support. The revenue and expenses will be managed to support the project's activities.

The Chairman requests the Project Consultant of the NCA Project to accept the comments of the committee and proceed with implementation.

#### **Resolution of the meeting**

1. Approve the implementation plan of the Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes Project (2024 - 2025)

2. For TDRI and ONEP to collaborate closely on the NCA Project by appointing 1 project coordinator to be stationed at ONEP.

#### **Agenda 5 Other matters**

The Director of the Biodiversity Management Division, as a committee member and Secretariat, informed the meeting that Thailand must co-finance in the form of in-kind contributions to the NCA Project a total of 6 million United States Dollars (USD) for the duration of 51 months of the project, starting 29 March, 2022 and ending 30 June, 2026. In 2023, in-kind contributions with a value of 1,515,129.43 USD. Nevertheless, in 2024, the Secretariat has sent out official correspondences requesting assistance from relevant agencies under the Project Steering Committee for the NCA Project and would like to ask for cooperation for the agencies to formally respond to the request to ONEP for further implementation of the project.

**Resolution of the meeting** Acknowledged

**Meeting finished** at 12.00 PM

## **Appendix 6 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. 1/2026**

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. 1/2026 on **24 March 2026**, 1.30 PM – 4.30 PM ONEP, Meeting room 1002 Tipco Tower 2 and Online, Bangkok Thailand

### **Project Steering Committee members attending**

- |   |          |
|---|----------|
| 1. Ms. Nareerat Panmanee<br>Deputy Secretary-General,<br>Office of Natural Resources and Environmental Policy and Planning  | Chairman |
| 2. Ms. Wannapa Khlaisuan<br>Director of Natural Resources and Environmental Development Strategy Division,<br>Office of the National Economic and Social Development Council                            | Member   |
| 3. Ms. Nilubol Khanha<br>Director of Biodiversity Management,<br>Department of National Park, Wildlife and Plant Conservation   | Member   |
| 4. Ms. Sakulkarn Khankhaeng<br>Director of Economics Statistics Division,<br>National Statistical Office of Thailand  | Member   |
| 5. Mr. Pairat Limprasert<br>Director of Provincial Office of Natural Resources and Environment Krabi<br>Krabi Provincial Office   | Member   |
| 6. Ms. Siriwan Pornlerdwivat<br>Director of Strategy and Planning Division<br>Office of the Permanent Secretary, Ministry of Tourism and Sports   | Member   |
| 7. Mr. Charan Thepouyphon<br>Environmental Specialist<br>Office of The National Water Resources   | Member   |
| 8. Ms. Suhathai Paisankul<br>Director of Marine Resources Management Assessment<br>Department of Marine and Coastal Resources   | Member   |
| 9. Ms. Kulwarang Suwanasri<br>Senior Researcher, BIOTEC<br>National Science and Technology Development Agency   | Member   |
| 10. Ms. Tippamars Taracheewin<br>Environmentalist, Senior Professional Level,<br>Office of International Cooperation<br>Office of the Permanent Secretary Ministry of Natural Resources and Environment | Member   |

- |   |                                  |
|---|----------------------------------|
| 11. Mr. Chanawat Arunrat  | Member                           |
| Environmentalism, Senior Professional Level,<br>Department of Water Resources                                     |                                  |
| 12. Mr. Komsan Rueangritsarakul   | Member                           |
| Environmentalism, Senior Professional Level,<br>Royal Forest Department   |                                  |
| 13. Ms. Napaporn Tangtinthai  | Member                           |
| Public Relations Officer, Senior Professional Level,<br>Department of Climate Change and Environment              |                                  |
| 14. Ms. Kanokporn Pokaanon  | Member                           |
| Environmentalism, Practitioner Level,<br>Provincial Office of Natural Resources and Environment Krabi             |                                  |
| 15. Mr. Weerapong Rathajitdhumrongkul   | Member                           |
| Tourist Development Officer, Senior Professional Level<br>Department of Tourism                                   |                                  |
| 16. Ms. Kavita Sharma   | Member                           |
| Task Manager<br>United Nations Environment Programme  |                                  |
| 17. Mrs. Katunchalee Thammakul  | Member<br>and Secretariat        |
| Director of Biodiversity Management Division<br>Office of Natural Resources and Environmental Policy and Planning |                                  |
| 18. Ms. Benchamaporn Wattanatongchai  | Member<br>and Deputy Secretariat |
| Environmentalism – Senior Professional Level<br>Office of Natural Resources and Environmental Policy and Planning |                                  |
| 19. Mr. Adis Israngkura   | Member<br>and Deputy Secretariat |
| Project Manager<br>Representative of the NCA Project Consultant   |                                  |

**Non-attendants**

- |  |        |
|--|--------|
| 1. Department of Land Development                | Member |
| 2. Biodiversity-Based Economy Development Office | Member |
| 3. Tourism Authority of Thailand                 | Member |

**Attendees**

- |                                |  |
|--------------------------------|--|
| 1. Ms. Nalin Sakjaisuea        | Department of Climate Change and Environment |
| 2. Mr. Pravit Banjong          | National Statistical Office of Thailand      |
| 3. Mr. Yuwanan Santithaweekrit | Office of The National Water Resources       |

4. Ms. Phawilai Chalamad	Ministry of Tourism and Sports
5. Mr. Chatsakorn Duansuwan	Department of National Park, Wildlife and Plant Conservation
6. Ms. Phatsakorn Niemsaward	Royal Forest Department
7. Ms. Somawan Sukprasert	Office of Natural Resources and Environmental Policy and Planning
8. Ms. Putthida Rathana	Office of Natural Resources and Environmental Policy and Planning
9. Ms. Wannapa Maneekul	Office of Natural Resources and Environmental Policy and Planning
10. Ms. Supawin Kuhathanasathian	Office of Natural Resources and Environmental Policy and Planning
11. Ms. Jutharat Rodpuang	Office of Natural Resources and Environmental Policy and Planning
12. Ms. Wilawanee Manthiralai	Office of Natural Resources and Environmental Policy and Planning
13. Mrs. Thippawan Keawmesri	Thailand Development Research Institute
14. Ms. Prinyarat Leangcharoen	Thailand Development Research Institute
15. Mr. Peerawat Suriyaburaphakul	Thailand Development Research Institute
16. Ms. Kanjana Yasen	Thailand Development Research Institute
17. Ms. Panida Phranphanat	Thailand Development Research Institute
18. Mr. Promphat Bhumiwat	Thailand Development Research Institute
19. Ms. Ramida Hansaward	Thailand Development Research Institute

**Meeting starts** 1.30 PM.

### **Agenda 1 Chairman's Report**

Ms. Nareerat Panmanee, Deputy Secretary-General, Office of Natural Resources and Environmental Policy and Planning (ONEP), welcomed attendees and informed the committee that the Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes (NCA) Project will be ending implementation or operations in June 2026. The important matter for consideration is revising the implementation plan. The committee members were requested to jointly discuss the plan to ensure that the project finishes on schedule, including delivery of outputs and reviewing the alignment of the results with the project's objectives. Nevertheless, the Chairman requested to revise the order of meeting agendas to discuss matters for consideration before matters for report.

**Resolution of the meeting** Acknowledged

### **Agenda 2 Approval of the Report No. 2/2025 on 25 September 2025**

The Director of Biodiversity Management Division, as a committee member and Secretariat, informed the meeting of the minutes of the NCA Project Steering Committee Meeting No. 2/2025 on 21 August 2025, which was circulated to the Committee for revision and approval. On 25 September, 2025, representatives from the

Department of Climate Change and Environment, the Office of Office of the National Economic and Social Development Council and the Office of the National Water Resources requested revisions. In this regard, the Secretariat has revised the report in accordance with the Committee's comments and would like to request the Committee's approval of the revised report.

**Resolution of the meeting** Approved the NCA Project Steering Committee Meeting Minutes No. 2/2025

### **Agenda 3 Matter for Report**

#### **3.1 In-kind Co-financing of the Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes Project**

The Director of Biodiversity Management Division, as a committee member and Secretariat informed the meeting as follows:

1. The NCA Project received funding from the Global Environment Facility (GEF) round 6 under the biodiversity division, with a 2,000,000 US dollar budget and an implementation period starting from August 2022 to June 2026. The project's objective aims to integrate natural capital into policy formulation and into the operations of key economic sectors such as tourism and water management at local and national level, and promote mitigate impacts of the production sector on biodiversity and ecosystem services. The Cabinet has approved the signing of a cooperation agreement between 3 parties, namely, the Office of Natural Resources and Environmental Policy and Planning (ONEP), the United Nations Environmental Programme (UNEP), and the Thailand Development Research Institute (TDRI) as the project consultant.

2. The mechanism in managing the project has 2 parts: (1) the Project Steering Committee (PSC) of the NCA Project includes the Deputy-Secretary General of ONEP as the Chairman, 19 relevant agencies as committee members, and the Biodiversity Management Division from ONEP and the project consultant as the Secretariat. The PSC is mandated to approve implementation plans, provide technical recommendations, monitor the project's progress, and drive inter-agency collaboration. (2) The Provincial Level mechanism includes the establishment of the Provincial Working Group (PWG) to develop a natural capital accounting system for the tourism and water resources sector in Krabi Province, with the Governor or the Deputy Governor of Krabi as the Chairman, 30 locally relevant agencies as working committee members, and the Biodiversity Management Division from ONEP and the project consultant as the Secretariat. The PWG is responsible for coordinating implementation, providing technical guidance, and monitoring the project's progress at the local level to ensure efficiency.

3. The NCA Project has 3 components as follows: **Component 1** Policies and market incentives in support of Natural Capital, **Component 2** Integration of Natural Capital Accounts into local development planning and operations, and **Component 3** Information-sharing, awareness-raising and networking to mainstream Natural Capital accounting.

4. The expected benefits of the NCA Project includes (1) policy recommendations that leads to the reduction of impacts of natural resource use in the production sector to take its' economic value in account, (2)

developing a natural resource management plan for Krabi Province, incorporating the economic valuation of ecosystems in the tourism and water resource sectors, and (3) for all stakeholders to possess the knowledge, awareness, and ability to utilize natural capital accounting.

5. For the NCA Project's funding, Thailand must contribute in-kind co-financing of 6,000,000 US dollars. From 2023 to 2024, Thailand has contributed a total of 2,421,857.50 US dollars, which is 40.36% of the total needed in-kind co-financing. In 2025, ONEP requested cooperation from 15 agencies under the NCA Project's PSC to report their in-kind co-financing, 9 agencies have sent their reports to ONEP (the Secretariat), which the accumulated total from 2023 to 2025 is currently 4,939,733.61 US dollars. The remaining 1,060,266.39 US dollars must be collected to reach the full 6,000,000 US dollars.

#### **The meeting provided feedback**

Representative from the National Statistical Office informed the meeting that the National Statistical Office has the in-kind co-financing report of 11,000 US dollars for 2022 and 65,500 US dollars for 2023. In which, the meeting's documents only provided the report for 2024.

The Chairman assigned the Secretariat to revise the in-kind co-financing data from the National Statistical Office to be in the correct form and requested the agencies that did not submit their in-kind co-financing data yet, to submit to ONEP within March 2026.

**Resolution of the meeting** Acknowledged the in-kind co-financing of the Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes Project and requested the agencies that did not submit their in-kind co-financing data yet, to submit to ONEP within March 2026.

### **Agenda 4 Matter for Consideration**

#### **4.1 Revising the project implementation plan for the Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes Project (March - June 2026)**

The Director of Biodiversity Management Division, as a committee member and Secretariat informed the meeting that in accordance with the project cooperation agreement, the project consultant (TDRI) to prepare a Half-Yearly Progress Report for the period from July to December during the implementation period, and submit to ONEP to consider before further submitting the report to UNEP before 31 January of every year. In the PSC meeting of the NCA Project on 21 August 2025, the meeting approved the implementation plan of the NCA project for 2025 until 2026, with the project consultant carrying out implementation of the project in close collaboration with ONEP and to recruit 1 project coordinator. The project consultant has recruited 1 project coordinator since 1 September 2025 and since 16 February 2026, the project consultant has submitted the Half-Yearly Progress Report revised for 2025 and requests to revise the implementation plan for March to June 2026 to ensure that the project will be completed on schedule in June 2026. The overview of each component is detailed as follows,

**Component 1** (National level policy) composed of 2 outputs and 15 activities, with 1 activity on track, and 14 activities late (from the implementation plan).

**Component 2** (Provincial level policy) composed of 3 outputs and 18 activities, with 1 activity completed, 2 activities on track, and 15 activities late.

**Component 3** (information sharing and creating networks) composed of 2 outputs and 8 activities, with 5 activities on track, and 3 activities late.

The Director of Biodiversity Management Division, as a committee member and Secretariat presented the status of the project's implementation, with each activity color-coded for the meeting to easily review. It is proposed to revise the implementation plan from the period of March to June 2026. The project consultant agrees with this revision to ensure alignment with the current situation and expedite implementation to be completed in time for the project's closure in June 2026, with the details as follows,

Component	Activity	Progress (%)	Completion Date	Status	Revised Implementation Plan			
					Mar	Apr	May	Jun
Component 1 Policies and market incentives in support of Natural Capital	<b>Output 1.1: National Framework for Natural Capital Accounting</b>							
	1. Host PSC meetings	90%	June 2026	On Track				
	2. Draft a national framework	90%	December 2025	Late				
	3. Finding additional sources to fund NCAs for the tourism and water resources sector	10%	March 2026	Late				
	<b>Output 1.2: National Capital Account Information Linked to National Policy, Regulatory, Planning and Budgeting Processes</b>							
	1. Host roundtable meetings with experts	95%	December 2025	Late				
	2. Research and assess the tourism sector	80%	September 2025	Late				
	3. Research and assess the water resource sector	80%	September 2025	Late				
	4. Updating the national budget policy	10%	December 2025	Late				
	5. Integrating NCA into the national Tourism Satellite Account (TSA)	90%	February 2026	Late				
	6. Integrating NCA into the national Water Resources Satellite Account (WRSA)	90%	February 2026	Late				
	7. Link NCA information with MTEFs and 13th NESDP	10%	February 2026	Late				
	8. Use NCA information to lobby for budget allocations on conservation	10%	February 2026	Late				
9. Update policies and plans related to tourism and water resources to improve conservation	50%	February 2026	Late					
10. Improve EIA procedures	60%	December 2025	Late					
11. Evaluate alternative MBIs and select one	80%	August 2025	Late					

 Finished
  On Track
  Late

Component	Activity	Progress (%)	Completion Date	Status	Revised Implementation Plan			
					Mar	Apr	May	Jun
	12. Build political support and institutional capacity to enable policy for the selected MBI	50%	December 2025					
<b>Component 2</b>	<b>Output 2.1: Pilot provincial Natural Capital Accounts for the tourism sector and water resources (Krabi Province)</b>							
Integration of Natural Capital Accounts into local development planning and operations	1. Establish the PWG	90%	June 2026					
	2. Conduct a tourism situation assessment	80%	September 2025					
	3. Develop and maintain a tourism sector NCA for Krabi Province	75%	October 2025					
	4. Conduct a water resources situation assessment	80%	October 2025					
	5. Develop and maintain a water resources sector NCA for Krabi Province	75%	October 2025					
	<b>Output 2.2: Provincial Natural Capital Account Information Embedded into Local Government and Corporate Policies, Plans, and Budgets</b>							
	1. Integrate provincial NCA into TSA and WRSA	50%	February 2026					
	2. Align provincial NCA with Krabi's provincial development plan and provincial MTEF	10%	February 2026					
	3. Use NCA information to increase budgets for conservation of watersheds, marine and coastal ecosystems	10%	February 2026					
	4. Promote adoption of SEA into provincial development plan	20%	November 2026					
	5. Assist in the development of EIA-based tools to assess the value of impacts	10%	November 2026					

 Finished
  On Track
  Late

Component	Activity	Progress (%)	Completion Date	Status	Revised Implementation Plan			
					Mar	Apr	May	Jun
	6. Develop a business case to pilot the MBI in Krabi	80%	December 2025	Yellow	Grey	Grey	Grey	
	7. Identify PPP opportunities in conserving and restoring forests and coastal marine ecosystems	85%	March 2026	Yellow	Grey	Grey	Grey	
	8. Assess the water tariff rates reflect the costs of adequate protection of watersheds	80%	December 2025	Yellow	Grey	Grey	Grey	
<b>Output 2.3: Mitigating Environmental Impacts and Restoring and Protecting Natural Capital</b>								
	1. Pilot MBI in Krabi Province	50%	December 2025	Yellow	Grey	Grey	Grey	
	2. Establish a Trust Fund	10%	June 2026	Yellow	Grey	Grey	Grey	
	3. Conserve and restore degraded watershed forests and coastal marine ecosystems (40,000 ha)	80%	June 2026	Light Green				
	4. Develop and test sustainable financing mechanisms for the GreenFins program	100%	December 2025	Dark Green				
	5. Provide technical support for installing small-scale wastewater treatment technologies	90%	December 2025	Yellow	Grey			
<b>Component 3</b>	<b>Output 3.1: Dissemination and Sharing of Information on NC Accounting and Mainstreaming of NCAs</b>							
Information-sharing, awareness-raising and networking to mainstream	1. Meetings to lobby decision makers	30%	December 2025	Yellow	Grey		Grey	
	2. Meetings and presentations with target groups	30%	June 2026	Light Green				
	3. Production and distribution of fact sheets, brochures and other media inserts	30%	June 2026	Light Green				
	4. Project performance monitoring and reporting	70%	June 2026	Light Green				

 Finished
  On Track
  Late

Component	Activity	Progress (%)	Completion Date	Status	Revised Implementation Plan			
					Mar	Apr	May	Jun
Natural Capital accounting	<b>Output 3.2: Implementation of a Broad-based Capacity Building Program for NC Accounting</b>							
	1. Develop and maintain an online website	25%	June 2026	On Track				
	2. Implement technical training and workshops	25%	April 2026	On Track			Late	Late
	3. Facilitate an exchange program for NCA related decision makers	20%	May 2026	On Track				
	4. Enable participation of decision makers and other stakeholders on NCA initiatives	50%	April 2026	On Track				Late

 Finished
  On Track
  Late

Nevertheless, the committee and Secretariat have reviewed the constraints and factors that impacted the implementation of activities. The project consultant has identified the challenges and limitations as follows, 1) interconnection of data, due to the implementation of activities that are interconnected and each component is interconnected. Analysis of data in some instances must wait for the results of the previous activity, which has resulted in the inability to implement some activities in smaller parts in parallel to each other, 2) constraints in coordination and scheduling, since the project is implemented for integration, it requiring cooperation with various agencies of the local level and national level, the process of coordinating, compiling information, and meeting scheduling with partnering agencies required more time than initially anticipated, and 3) technical and academic conflicts in opinions, when the initial MBI were presented, some members of the Provincial Working Committee expressed different views which led to the project consultant required additional time to refine the details to make them acceptable and to align with the needs of the local area. And the Project Manager as the deputy Secretariat was requested to present the details on the project's progress, implementation results, as well as the additional issues and obstacles encountered.

The Project Manager, as a committee member and deputy Secretariat informed the meeting the project's implementation progress, along with the constraints and obstacles as follows,

1. Developing a market-based instrument (MBI) had constraints on the regulations of collecting fees for managing sewage and solid waste. Thus, a concept of Payment for Ecosystem Services (PES) is being implemented instead, which will promote local youth to become conservation-oriented tour guides (migratory bird watching) to generate revenue into a community trust fund for conservation efforts in a tangible manner.

2. Integration of policy plans and budgeting processes, there has been coordination for cooperation with the National Economic and Social Development Council (NESDC) and currently in the process of preparing technical consultations to integrate NCA data of the tourism and water resources sector with the Medium Term Expenditure Framework (MTEF) and the 14<sup>th</sup> National Economic and Social Development Plan with the relevant agencies to utilize results from NCA into the planning of national strategy plans.

3. Implementation on the provincial level is currently in the progress of compiling policy suggestions to be incorporated into the provincial development plan and provincial budget plan, emphasizing resolving drought issues, wastewater management in Ao Nang and creating incentives such as awarding business owners that have wastewater management systems that are up to standards.

4. Preparing reports and suggestions, the overall implementation has progressed with the indicators at approximately 80-90%. In which, currently in the stage of compiling and finalizing policy suggestions to ensure completeness before submitting the final deliverables.

5. Raising funding to co-finance development of national water resources and tourism sector NCAs in the activity 1.1.3, encountered challenges in finding additional funding sources to fill the gaps or alternative approaches to support the mentioned issue.

#### **The meeting provided feedback**

The Chairman has acknowledged the constraints and challenges with the legal aspect, especially with the provisions under the State's Financial Discipline Act, resulting in some types of fee collections unfeasible in practice under the current circumstances. In which, policy recommendations will be made instead.

The project manager provided additional information that the project consultant will be preparing a meeting with the Budget Bureau, the NESDC office, and other relevant agencies on 31<sup>st</sup> March 2026. The objective of the meeting is to drive the incorporation of NCA into the budgeting process and national strategy plan, with an emphasis on allocating an increased budget for Krabi Province to better align with the actual workload of the province to accommodate more than 6 million tourists, rather than considering the population based on the civil registration records. This is to allocate sufficient budgetary resources to manage valuable natural resources. A tri-party meeting between ONEP, UNEP and the project consultant will be held to discuss alternative approaches for activity 1.1.3 raising additional co-funding sources, to better align with current circumstances.

The representative from the Department of Water Resources suggested that, from personal experience in carrying out projects of similar nature, if the target or benchmark from the Project Document is unfeasible due to external factors, a meeting with the funding provider to discuss a "substitute target" and there should be meeting minutes (report) to clearly document for clarification purposes.

Representative from the Office of National Economic and Social Development Council suggested that NCAs for the tourism and water resources sector could be incorporated into the 14<sup>th</sup> NESDP and Provincial level plans in the section of biodiversity.

Representative from the Office of National Water Resources observed that from the project's implementation plan, 32 activities are late from the total of 41 activities and that the project consultant assured that the activities will be completed in May 2026. The representative proposed that the project consultant expedite the preparation of the performance report to be 95% completed to build confidence in the project's outcome and to preserve the image of ONEP as the project owner agency.

The Chairman assigned ONEP to coordinate with the project consultant and UNEP to discuss alternative approaches to the project's deliverables that the project consultant is concerned that are no longer feasible as planned. The project consultant will prepare details on the constraints, challenges, and request changing deliverables replacing the initial deliverables. As the implementation period has 3-4 months remaining, the

Chairman kindly requested the agencies serving as members of the PSC to consider providing the necessary information to the project consultant to expedite implementation in the remaining period.

#### **Resolution of the meeting**

1. Approval of the Half-Yearly Progress Report 2025 and assign ONEP to coordinate with the project consultant and UNEP to discuss alternative approaches to revise the deliverables from the implementation plan that are no longer feasible.

2. Approval of the revised implementation plan March – June 2026 to ensure implementation of all 3 components and finalization within June 2026.

3. Scheduling another Project Steering Committee meeting for the Integration of Natural Capital Accounting in Public and Private Sector Policy and Decision-making for Sustainable Landscapes Project in late May or early June 2026 to monitor the final stage of the project and review the completeness of all deliverables before submitting the project.

#### **Agenda 5 Other matters**

None

**Meeting finished at 4.30 PM**

THE INTEGRATION OF NATURAL CAPITAL ACCOUNTING IN  
PUBLIC AND PRIVATE SECTOR POLICY AND DECISION-MAKING  
FOR SUSTAINABLE LANDSCAPES

NATURAL  
CAPITAL

Funded by



Executing Agencies

