

## **Task analysis with adjusted implementation schedule**

Inception meeting for UNEP/CTCN TA ICZMP\_SI

28, Feb. 2023, Honiara

Dr. Sang In KANG, KEI [sikang@kei.re.kr](mailto:sikang@kei.re.kr),

# Tasks with initial schedule

<b>output</b>	1: Biblio. analysis of policies and legal instruments on the use and protection of the mangroves in SI	2: TA coordination mechanism established, and Steering Committee formed	3: Overview of the coastal zone and diversity of resources and their socio-economic importance	4: 5-days workshops to define the <b>ICZM mangrove plan</b>	5: Specific <b>policy statements on integrated planning, and coordination</b>	6: Official review of the first drafts conducted and revised <b>ICZM framework</b> finalized	Outcome 7: Implementation of a framework guide
<b>Activity</b>	1.1: Matrix of existing legal and policy instruments 1.2: Identification of barriers, lack of instruments, opportunities and challenges	2.1: mapping relevant stakeholders, establishing Steering Committee 2.2: conducting inception meeting	3.1: mapping (with satellite images) the mangroves and identify issues and challenges to address 3.2: prioritization of major mangroves issues and challenges through a participative process	Defining 4.1: ICZM mangrove plan's vision and mission 4.2: Policy objectives 4.3: Guiding principles 4.4: Formulate a draft of framework policy based on the inputs 4.5: Share draft of framework policy for comments and review	<u>Policy statements</u> on 5.1: Intg. Planning and Coordination 5.2: Sustainable Eco. Development 5.3: Conservation of Mangroves, Coastal, Marine Environment 5.4: Environmental Risk Management 5.5: CB, Education, Awareness, Research	6.1: <b>First ICZM Framework Policy drafts</b> for official feedback 6.2: Official review workshop 6.3: Comments integrated second ICZM FP draft. 6.4: Official feedback to second drafts 6.5: incorporating comments for <b>final ICZM plan mangroves</b>	7.1: Development of <b>implementation guide of the ICZMP-M</b> 7.2 EbA Mangroves Management technologies suggestion. 7.3 Policy makers & agencies' workshop 7.4: Prepare and conduct an awareness campaign on ICZM for mangroves in SI.
<b>deliverable</b>	1.1 Matrix of existing legal and policy instruments linked to CZM  1.2 Report identifying barriers, challenges, lack of policies on the existing institutional instruments	2.1: Stakeholder & Steering Committee mapping report  2.2: Inception meeting report and Report on the visit on sites of the (at least) 3 mangroves sites.	3.1A. Satellites maps of the mangroves of Solomon Island. 3.1B. 3 Climate scenarios modeled 3.2: Draft report on the main issues and challenges to be addressed by the ICZM policy framework 3.3 Report of the workshop	4.1: Defined vision and mission and report of the workshop 4.2 Report on the selected policy objectives 4.3: Report with the defined guiding principles 4.4: Draft <b>ICZM Framework Policy</b> 4.5: <b>Revised Draft ICZM FP</b> based on SC comments	5.1 to 5.6: <b>Full ICZM policy framework</b> drafted	6.1 Compiled feedback, comments on first draft 6.2 Official workshop review report 6.3 Second draft of ICZM FP 6.4 Compiled feedback and comments on second draft of ICZM FP 6.5 Formulate final Framework policy	7.1 : <b>Implementation guide under a short term perspective (1 year) of ICZM FP</b> 7.2 : Technologies fact sheets (6-8) for Integrated Coastal Zone Management 7.3 : Report on the workshop 7.4 : Report on the awareness campaign held in the Coastal Zones of Solomon Island
<b>month</b>	2	2	4	5~9	9	9-14	13-15

# Task analysis

## Task Structure/ Implementation

### Ecosystem based ICZMP on the 3 Mangroves in SI

#### 1. Background

- NDE SI requested in 2022 a Technical Assistance to the UNFCCC/CTCN (hosted by UNEP)
- UNEP, hosting body of CTCN, developed and countersigned a Response Plan
- KEI and UNEP concluded a Cooperation Agreement to provide technical assistance to the implement the response plan together with MECDM SI.
- UNEP/CTCN, KEI, MECDM held on-line Kick-off meeting in 13 Oct.2022  
(a small steering group established with UNEP/CTCN, KEI, NDE SI)
- KEI and NDE SI had informal consultations at 6~17 Nov. 2022

# Task analysis

- Bibliographic desk work was implemented by KEI during Dec.2022-Jan.2023
  - A national ICZMP benchmark case (for Belize 1992, 2003, 2016)
  - KOICA-MFR SI Partnership project for Action Plan for Forest Management in SI (2013-2015)
  - FAO-GEF Integrated Forest management in SI (2020-2021)
  - NAPA, 2<sup>nd</sup> NC 2017, SOE 2019, REDD+ in SI (2014-2020)
  - JICA-SI Renewable Energy Road Map (2021)
  - WB-SI Integrated Economic development and Community Resilient project (2022)
  - GIS Mapping Mangrove Extent, etc.
  - Sustainable use of the Mangroves (carbon storage, medicinal use, etc.)
  - Adjustment of implementation plan/schedule
  
- UNEP/CTCN, KEI, MECDM decided to hold an inception meeting

# Task analysis

## 1. Objectives of the TA

The main objective is to support the major stakeholders on the 3 selected mangrove sites in the Solomon Islands (national & local authorities, communities and groups, so-called protectors and users) in protecting and using the mangroves in a sustainable way through Ecosystem-based adaptation solutions within the Integrated Coastal Zone Management (ICZM) Planning.

The resulted strategy and framework policy (so-called masterplan) from the project will serve as a map for a further detailed and actionable programme or project:

- for the government to develop the regulatory framework, infrastructures, and policy measures as well as to approach international and global climate resilience resources
- for other stakeholders to enhance their own capacity to research, manage and use the coastal mangrove ecosystems for the livelihood of the communities in concern
- for all stakeholders to establish a platform on which the relevant stakeholders understand their roles and how they could collaborate during the future development stage for the future generation.

## 2. Mandatory deliverables

Deliverables	Scheduled Delivery date
1. Implementation plan	31 October 2022
2. Monitoring and evaluation plan	31 October 2022
3. Impact description document (initial and final version)	31 October 2022/ 31 December 2023
4. Closure and data collection report	31 December 2023

# Task analysis

## 1. Tasks & outputs

*\*adjustment of initial implementation schedule was discussed between KEI and NDE SI at COP 27 Sharm-El Sheikh, and to be confirmed at inception meeting.*

### **Task 2: TA coordination mechanism established, and Steering Committee formed**

*\*Stakeholder mapping and the modality of Bibliographic analysis will be concluded at inception meeting*

<b>Outputs</b>	<b>Delivery date*</b>
2.1 Stakeholder mapping report containing a complete stakeholder list and the composition of the Steering Committee.	<i>15 March 2023</i>
2.2 Inception meeting report and including the selection of the (at least) 3 mangroves sites.  (with photos, list of participants, a summary of the presentations made, comments received, a draft of the invitation to the meeting, and an explanation of how participants were invited, how long in advance, if the meeting was in-person or organized online in remote mode, etc.)  (noting the site visiting is subject to the arrangement with the local community)	<i>15 March 2023</i>

# Task analysis

## **Task 1: Bibliographic analysis\* of relevant policies and legal instruments governing the use and protection of the mangroves on Solomon Islands**

*\*In addition to the preliminary identified list for bibliographic analysis, member of working group(participants of inception meetings) will use their own additional documents of work.*

<b>Outputs</b>	<b>Delivery date</b>
1.1. Matrix of existing legal and policy instruments linked to Coastal Zone Management	30 March 2023
1.2. Report identifying barriers, challenges, and lack of policies on the existing institutional instruments	30 March 2023

# Task analysis

1. CTCN Monitoring and Evaluation System, 2020, CTCN
2. Guidelines for integrated coastal zone management, ESD Studies and Monographs Series No.9, World Bank, 1996(multi-page.pdf)
3. Coastal zoning, Water Adaptation Technology Brief, CTCN(coastal\_zoning.pdf)
4. NAPA Priority Project No.4 Coastal Protection in Solomon Islands: NAPA Project Profile (Solomon\_islands.pdf)
5. The Status of Mangrove Ecosystems: Trends in the Utilisation and Management of Mangrove Resources, D. Macintosh and S. Zisman(10700-mangrove-ecosystems.doc)
6. Ecosystem-Based Disaster Risk Reduction, Implementing Nature Based Solutions for Resilience, UNDRR, 2020
7. Integrating global environment commitments in investment and development decision-making: Solomon Islands, UNDP, (5-19-14\_Solomon\_Island\_CD5045\_UNDP\_Project\_REDD5yearDoc)
8. CLIMATE RISK COUNTRY PROFILE: Solomon Islands, World Bank Group, 2021, (15822-WB\_Solomon Islands Country Profile-WEB.pdf)
9. Enhancing urban resilience to climate change impacts and natural disasters: Honiara, UNHSP, 2016, (4135-PPR-1-Resilient-Honiara-Project-2019-rev-Feb-2020-for-web.xls, 4135-AF-full-Project-Propoals-SOLOMON-ISLANDS-MIE-UN-Habitat-4-Sept-2017 )
10. Solomon Islands REDD+ Readiness Roadmap 2014-2020, ADB, 2013,
11. Solomon Islands State of Environment Report 2019, UNEP, 2019
12. Integrated Forest Management in Solomon Islands 2017-2023, revised template 2021, FAO
13. REDD+ Training Manual: Geospatial Data Management for REDD+, UNDP, 2017
14. Climate Scenario: Solomon Islands (<https://climateknowledgeportal.worldbank.org/country/solomon-islands/climate-data-historical>)
15. Mangroves in Solomon Islands ([www.esa-worldcover.org](http://www.esa-worldcover.org))

# Task analysis

## ✓ A national benchmark case from Belize (1992-2016)

- 16. Guidelines for developing a CZMP for Belize, (1992)
- 17. The National Integrated Coastal Zone Management Strategy for Belize (2003)
- 18. Belize Integrated Coastal Zone Management Plan (2016)

## ✓ A sectoral benchmark case on Forestry in SI and others (2015-2015, KOICA-Ministry of Forest and Research case)

- 19. Web site user manual \_ Ministry of Forest and Research, (2015)
- 20. Education Program for Reforestation (2015)
- 21. Enhancement of Forest Information and Statistics (2015)
- 22. Strategy for and direction of strengthening forest legal system (2015)
- 22. Integrated Forest management in Solomon Islands (GEF-FAO, 2000-2021)
- 23. Report of TA of the proposed forest reference level for SI in 2019 (UNFCCC)

## ✓ Available technological options and stock

- 24. Status and Distribution of mangrove forests of the world using earth observation satellite data (2011)
- 25. Mapping mangrove mapping and change (2018)
- 26. Multi-hazard Early Warning System (2020, UNESCAP)
- 27. Climate Assessment modelling system(2022, Gwangju metropolitan city, Korea)
- 28. Traditional medicinal use of the mangrove (scientific articles, 2015~)
- 29. Restauration of the Mangroves (Bangladeshi-KOICA case, 2000~)
- 30. Climate services for Agriculture (2022, OSCAR system, SPREP-APEC Center Korea case)

## ✓ and other thematic Articles on the Mangroves in the Solomon Islands...

# Task analysis

## **Task 3: Overview\* of the coastal zone and diversity of resources and their socio-economic importance**

*\*Based on the bibliographic analysis and selected 3 mangrove sites, satellites imagery map will be developed by working group. Prioritization of major mangroves issues and challenges will be initiated by a steering committee (UNEP/CTCN, NDE SI and KEI), then approved by a Coordination mechanism (Steering Committee and Working Group).*

<b>Outputs</b>	<b>Tentative Schedule</b>
3.1.A: Satellites maps of the mangroves of Solomon Islands.	<i>30 April 2023</i>
3.1.B: 3 Climate scenarios modeled (1.5°C _ conservative, 2°C _ probable, more than 2°C _ alarmist)	<i>30 April 2023</i>
3.1.C: Draft report on the main issues and challenges to be addressed by the ICZM policy framework	<i>30 April 2023</i>
3.2: Report of the 2 days steering committee-led prioritization workshop (to be held around the end of April, list of participants, photos, PWP) and a prioritization approved by the Coordination mechanisms (working group) of these issues and challenges.	<i>15 May 2023</i>

# Task analysis

## **Task 4: 5-days workshops to define the ICZM mangrove plan\***

*\*5-days workshops seems better to be organized at the end of May or early June, considering the availability of the working group member from the ministries. A preparation for sectoral/thematic policy statement work (the main body of ICZM Mangrove planning) could be done during April and May by the working group member. During 5-days workshops will check the overall balance and progress of sectoral policy statement work.*

<b>Outputs</b>	<b>Delivery date</b>
4.1: Defined vision and mission of the policy framework with description (1 or 2 days – open to all <u>extended</u> stakeholders)	31May 2023
4.2: Selected policy objectives with description (2nd -3rd day for TA Steering Committee)	31 May 2023
4.3: Defined guiding principles with description (4th and 5th day for TA Coordination team _ working group).	31 May 2023
4.4: Formulation of a Draft ICZM Framework Policy with report of the workshop held (list of participants, questions, photos, the participatory process used to ensure the participation of all members, results, questions raised, comments addressed, etc.) <b>as well as outputs of Task 5.</b>	30 June 2023
4.5: Revised Draft ICZM Framework Policy based on Steering Committee's comments	31 July 2023

# Task analysis

**Task 5:** Specific policy statements addressing issues on integrated planning and coordination of mangroves, community empowerment and resource use conflicts, environmental conservation, management of environmental risks, awareness creation and education.\*

*\*the development of specific policy statement could be done during May & June following the sectoral works on defining the policy framework of ICZM Mangrove (vision, mission, objectives, guiding principles).*

Outputs	Delivery date
Fully drafted ICZM framework policy including sectoral/thematic policy statement on <u>focusing on the mangroves sites</u> <ul style="list-style-type: none"><li>- 5.1 Integrated Planning and Coordination</li><li>- 5.2 Sustainable Economic Development</li><li>- 5.3 Conservation of the Mangroves and the Coastal and Marine Environment</li><li>- 5.4 Environmental Risk Management</li><li>- 5.5 Capacity Building, Education, Awareness and Research</li><li>- 5.6 Institutional Arrangements and Legal Frameworks</li></ul>	15 July 2023

# Task analysis

## **Task 6: Official review\* of the first drafts conducted and revised ICZM framework finalised**

*\* Circulation of the first draft of ICZM framework policy could be made between 15 July and 31 July, to collect official feedback.*

<b>Outputs</b>	<b>Delivery date</b>
6.1: <u>Compiled feedback and comments on the first draft of ICZM Framework policy, including vision, mission, principles, objectives, and all policy statements</u> _ The first draft of the full ICZM plan on mangroves, including the vision, mission, principles, objectives, and all policy statements, will be circulated to all concerned national ministries, governing authorities, and the stakeholders's working group for official feedback and comments.	<i>31 July 2023</i>
6.2: <b><u>Official review workshop</u></b>	<i>30 August 2023</i>
6.3: <u>Second draft</u> of ICZM Framework policy	<i>30 September 2023</i>
6.4: <u>Compiled feedback and comments on the second draft of ICZM Framework policy following the circulation of the second (revised) draft</u>	<i>31 October 2023</i>
6.5: <u>Formulate final Framework policy</u>	<i>30 November 2023</i>

# Task analysis

## **Task 7: Develop implementation guide\* of the ICZM plan on mangroves**

*\* Implementation guide seeking for a follow-up project development.*

<b>Outputs</b>	<b>Delivery date</b>
7.1: <u>Implementation guide under a short-term perspective (1 year)</u> of the ICZM framework policy _ by sectoral/thematic policy statement listing the objective, policy statement, strategic actions requested, results expected, Timeline, Institution responsible for its implementation, budget associated (and crediting line if available), and quantitative monitoring indicators.	<i>31 October 2023</i>
7.2: <u>Technologies fact sheets (6-8)</u> for Integrated Coastal Zone Management, based on Based on the results of task 3.	<i>31 October 2023</i>
7.3: <u>Implementation guiding workshop</u> for policy makers and implementing agencies (photos, list of participants, comments and answers received and provided) seeking official endorsement	<i>30 November 2023</i>
7.4: <u>Awareness Campaign</u> with Report held in the Coastal Zones of Solomon Islands)	<i>31 December 2023</i>

# Task analysis

**Reminder – adjusted schedule considering a participatory process for all stakeholders in the process the original Implementation period**

<b>Start date</b>	<b><i>1 October 2022</i></b>
<b>End date</b>	<b><i>31 December 2023</i></b>

## **Reference to UNFCCC/CTCN, UNEP, KEI**

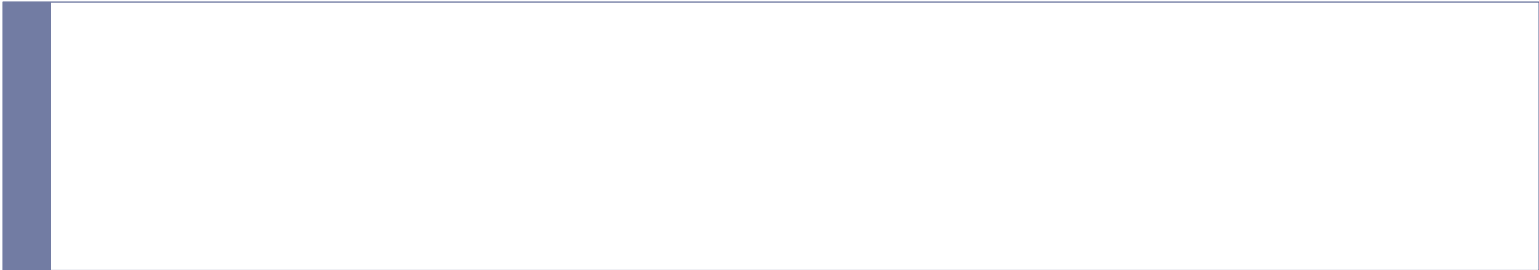
As the operational arm of the United Nations Framework Convention on Climate Change (UNFCCC)'s Technology Mechanism, the CTCN received from the UNFCCC the mandate **to promote the accelerated transfer of environmentally sound technologies for low carbon and climate resilient development at the request of developing countries** (cf. COP decisions 1/CP.16, 2/CP.17, 14/CP.18, and 25/CP.19). To achieve this, the CTCN provides technology solutions, capacity building and technical advice on policy, legal and regulatory frameworks tailored to the needs of individual countries and based on specific country requests submitted by a National Designated Entity (NDE). The CTCN is therefore a demand-driven mechanism; as its services are offered upon request by developing countries, the volume and specific nature of activities ultimately depend on countries' requirements and needs.

# Task analysis

The CTCN is composed of a Climate Technology Centre (CTC) and a Network (cf. COP decision 2/CP.17). The CTCN is hosted by the United Nations Environment Programme (UNEP). The **CTC network, including the Korea Environment Institute (KEI), Republic of Korea**, consists of institutions forming a Technical Resource Pool and is responsible for supporting the CTC Climate Technology Manager in the initial appraisal, refinement, and technical support of requests received through NDEs.

When necessary, **a small expert team from these institutions** is established to support the Climate Technology Manager in responding to a request, prepare a response plan for more in-depth support, and deliver immediate technical assistance assuring a rapid and flexible response and implementation (flexibility and speed that have been one of the main selling points of the UNEP proposal to the UNFCCC). The network partners, including KEI, also provide **support to the CTCN's capacity building, networking, knowledge sharing, and awareness-raising activities**.

As a CTC network partner, KEI is enhancing the CTCN capacities to foster the transfer of climate technologies in developing countries through its strong international presence and specifically in Asia and the Pacific as a leading technical expert in various sectors. KEI has solid expertise in developing energy technologies and practices, advancing related science and engineering, and **providing knowledge and innovations to integrate systems at all scales**.



consultation materials for inception meeting with KEI-NDE SI(27, Feb. 2023)