

# REPORT ON VALIDATION of the ICZM Mangrove Policy and Technological Fact Sheets for Solomon Islands

## Third national Stakeholder Workshop on "Integrated Coastal Zone Management (ICZM) Mangrove Policy

1<sup>st</sup> and 2<sup>nd</sup> July 2024, SINU, Science Lab Conference Room, Kukum Campus.



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**SIG/MECDM support to SINU, CCD/MECDM & KEI**

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## ACKNOWLEDGEMENT

I wish to acknowledge the tremendous technical support, provided by the CTCN and the KEI team who has been leading the ICZM and Mangrove Policy development for Solomon Islands. The leadership of Dr Kang Sang for his expertise in guiding the workshop to achieve key deliverables which were reflected under the national stakeholders workshop at SINU, FAFE in Honiara, on July 1<sup>st</sup> and 2<sup>nd</sup> July 2024.

I would like to extend sincere appreciation for the contributions of the key stakeholders of MFMR, MECDM, MoFR, MID, MCT, MAL, SINU and presence of relevant stakeholders including government agencies, NGOs and individuals who have contributed in various discussions during the presentations and feed backs of workshop sessions.

Finally to the CTCN and KEI, MECDM, SINU for the great collaborations in the implementation of this workshop in a series of stages to inform the ICZM management planning processes to develop mangrove policy framework for Solomon Islands.

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## 1.0. INTRODUCTION

**About this report:** This report provides a brief summary of the development process of the Technological needs ( Technological Fact Sheets), which will mainly focus particularly on **mangrove and coastal management**. It will also mirror the third national workshop to validate the policy statements and the Technology Fact Sheets

The Policy statement component of the workshop is covered and lead by the CCD of the MECDM. Apart from that, ECD has already provided its first and second report for the overall Consultation process on Gender and Stakeholder Analysis both referenced to gender in those reports.

The third National workshop purposely is to present and validate the Policy statements and Technological needs through the Technology Fact Sheets. Thus, streamlining gender, gender equity and social inclusive in Solomon Islands ICZM Mangrove Plan and coordination framework form part of the overall approach towards developing the ICZM Policy Statements and the Technology Needs. This report also considers a general overview of the Solomon Islands context regarding gender, equality and social inclusion or inclusive participation in a number of developments and government services, and the need for streamlining equity in the ICZM Mangrove planning processes.

## 2.0. PURPOSE OF THE THIRD NATIONAL WORKSHOP-VALIDATION OF POLICY STATEMENTS AND TECHNOLOGICAL FACT SHEETS

The purpose of the third National workshop is to present and validate the policy statements and Technological Fact Sheets for ICZM Mangrove policy. Key stakeholders invited are expected to contribute to the development of a comprehensive and actionable ICZM Mangrove Plan that addresses the needs and challenges of coastal ecosystems and communities, which will ensure sustainability of the Solomon Islands mangrove management strategies.

### 3.0. METHODOLOGIES IN FORMULATING TECHNOLOGY FACT SHEETS

#### Methodologies

A summary of key steps undertaken to develop the Technology Fact Sheet were outlined below:

#### CCD Technological Fact Sheet Template

MECDM has adapted the CCD Technology fact sheet template (through CCD guidance) to support the formulation of the Technological Fact Sheet under *mangrove and coastal management*.

#### Desktop & literature review

Use of literature (publications, reports, legislations, policies, etc.) were also used to identify and formulate the technological need.

#### Consultations sectoral policy alignment

Relevant sectors such as MECDM, MFMR, MoFR, MCT, were consulted to understand various aspect of the technology and its relevance to Solomon Islands.

#### Experts guidance

CCD Director Thaddeus Siota, CCD-GIS Reginald Ruben, ECD Trevor Maeda MoFR National Herbarium Myknee Sirikolo, Dr Michael Ha'apio (Solomon Islands Government Climate Advisor-Commonwealth); Mr Steven Suti and Ms Zelda Hilly were also consulted on the Technology need and mitigation measures relevant to Solomon Islands

### 4.0. POLICY STATEMENTS

The Policy Statements for the ICZM Mangrove Policy were led by the Climate Change Division of the Ministry of Environment Climate Change Disaster Management and Meteorology (MECDM). This involve the facilitation of its developments, presentations and validation during the workshop.

## 5.0. TECHNOLOGY FACT SHEET

MECDM through the ECD has contributed towards development of the ICZM mangrove policy framework for Solomon Islands, in leading the process of developing one of the six Technology needs to implement the framework policy and policy statements, which focus on the **mangrove and coastal management**.

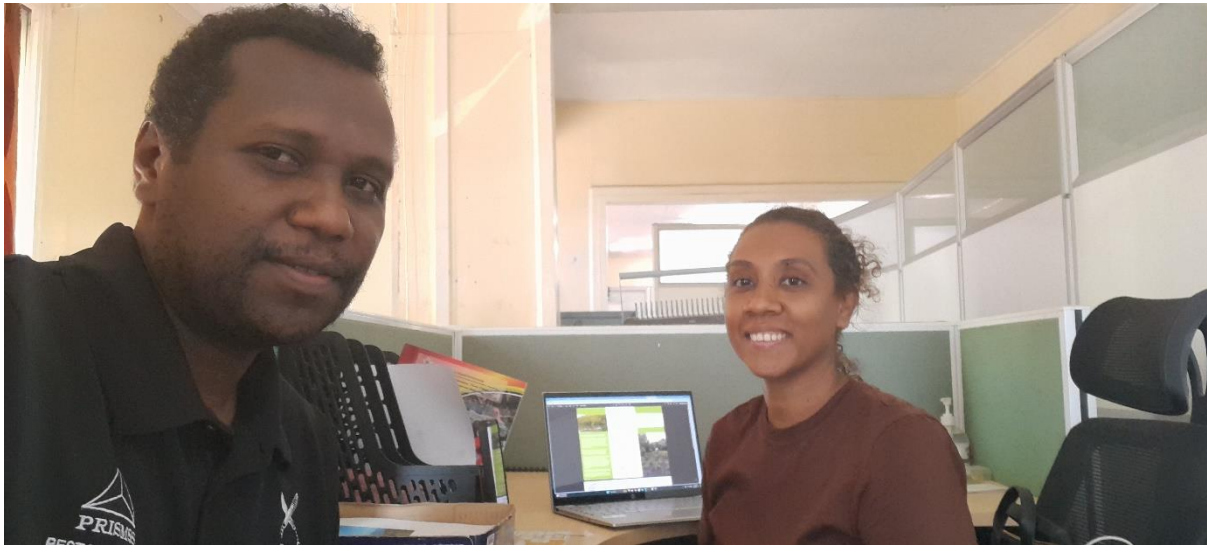
Addressing increasing challenges and issues relating to climate change, sustainable use and management of mangrove and coastal ecosystems of Solomon Islands using suitable technologies through an integrated coastal zone management approach governance, coordination, planning, and management is of essence and key policy priority areas, that will ensure its goals and objectives provide long-term benefits to all people of Solomon Islands.

ECD therefore, identified remote sensing and GIS tools as one of the technology needs. It will generally on “Integrating spatial data and environment data to manage, restore and protect mangrove forests and coastal ecosystems using remote sensing and GIS”. Spatial mapping of coastal zones or areas that specifically identifies range of mangrove forests including littoral forests in Solomon Islands could potential provide strategic direction and guidance for the Nation-wide ICZM mangrove and coastal management.

The technology need also aligned to the existing and ongoing Solomon Islands Government effort that builds from the Integrated Ocean Governance (IOG) aspirations through the Marine Spatial planning processes and implementation of the Solomon Islands Oceans Policy (SINOP) strategies. This work therefore, upholds the SINOP mission statement:

“Aims to define and strengthen integrated ocean governance at various levels, and across sectors, to achieve national, regional and global ocean related sustainable development goals on socio-economic development, food security, climate change resilience and adaptation, environmental protection and conservation of biodiversity, protection from natural disasters, and national security”

Several Solomon Island local marine scientists and mangrove conservation experts consulted during the scoping and consultation process on mangrove and coastal management.(see figure1 &2)



*Figure 1 Ms Zelda Hilly, Marine Scientist and consultant and (former WorldFish research Scientist), Honiara, Solomon Islands*



*Figure 2 Steven Suti, Community Conservation Practitioner and team leader SCALE Winrock International. Honiara, Solomon Islands. Some of work involve establishment of a network of mangrove coastal communities in Langalanga Lagoon, Malaita Province.*

## 6.0. Workshop Session Day One & Day Two

### Workshop Session Day One: Monday 1<sup>st</sup> July 2024

1. Overview of ICZM Mangrove Policy Framework (Dr Kang)
2. Presentation of Policy Statements by the Solomon Islands government team (Chris Teva)



Figure 2: Presentation of Policy Statements by CCD/MECDM Mr Chris Teva. Monday 1<sup>st</sup> July 2024, SINU Campus, Honiara (photo veira, P 2024)



Figure 3 Chris Teva of CCD/MECDM presentation of Policy Statements, and facilitating group discussions on Policy statements.

Day One sessions, mainly focus on the review and validations of the Policy Statements. This involve alignment of the goals and objectives under each thematic areas, and looks at the general outline of the policy statements. Considerations were given to context and rationale of the policy statements and their alignment to broader Solomon Islands government priorities that addresses climate change issues and other increasing threats resulting in unsustainable developments that impacts livelihoods of the people.

Presentations or feedbacks from groups were done after group discussions.

### Workshop Session Day Two: Tuesday 2<sup>nd</sup> July 2024

1. Introduction to Technology factsheets for Mangrove Management Dr Michael Haapio
2. Presentation of findings by SINU team (Mary and Veira, Merald, Claire Marvin and Fiona)
3. Review and validation of Technology Fact Sheets



Figure 4: Dr Michael Ha'apio, Climate Change Advisor Common wealth for MECDM SIG Presentation on Technological needs assessments and its key elements. Photo (Veira, 2024)



Figure 5: Stakeholders Group work on the 6 Technological Fact Sheets, SINU. Photo (Veira, 2024)

Day 2; Participants are assigned into groups and work on specific 6 Policy Statements and to provide comments and inputs on the overall draft documents. Further to this, feedbacks were done after the group discussion sessions. Group comprise of key government agencies, NGOs, and community representative, such as the MCT, MECDM, SINU, MoFR and MFMR, MID, Langalanga lagoon community representatives

## 7.0. DISCUSSION

Addressing increasing challenges and issues relating to climate change, sustainable use and management of mangrove and coastal ecosystems of Solomon Islands using suitable technologies through an integrated coastal zone management approach governance, coordination, planning, and management is of essence and key policy priority areas, that will ensure its goals and objectives provide long-term benefits to all people of Solomon Islands.

ECD therefore, identified remote sensing and GIS tools as one of the technology needs. It will generally on “Integrating spatial data and environment data to manage, restore and protect mangrove forests and coastal ecosystems using remote sensing and GIS”. Spatial mapping of coastal zones or areas that specifically identifies range of mangrove forests including littoral forests in Solomon Islands could potential provide strategic direction and guidance for the Nation-wide ICZM mangrove and coastal management.

The technology need also aligned to the existing and ongoing government lead effort that builds from the IOG Ocean Governance aspirations through the Marine Spatial planning processes and implementation of the Solomon Islands Oceans Policy (SINOP) ( SINOP 2018).

The Technology Fact Sheet consist of key components that provides relevant sections about the technology. The MSP process and the draft document also provides the basis of the technology need on using remote sensing and GIS to properly identify mangrove forests and including other uses and users that have common interest on these habitats.

Generally, there are upcoming projects and existing Government led efforts on Marine and Coastal resource management initiatives through collaborations with International and regional partners and donors, such as the Blue Ocean projects; MACBLUE projects focusing on Mangrove ecosystem and blue carbon initiatives; CBRM programmes which were led by MFMR supporting communities on marine resource managements. The PEBACC Project which also looks at Climate Adaptation Programmes and undertaking ESRAM assessments to inform the management activities, etc.

## 8.0. CONCLUSION

Mangrove and Coastal management is one of the six priority areas for the Technology needs in Solomon Islands. The MECDM has identified that using remote sensing and GIS as one of the technology needs to assess and provide mangrove ecosystems and associated is critical to inform wider stakeholders including development entities to safeguard the environment when it comes to development. Furthermore, Integrating spatial data and environment data to manage, restore and protect mangrove forests and coastal ecosystems using remote sensing and GIS” is a cost effective tool that can be implemented nationwide in Solomon Islands as its already part of the broader IOG implementation framework under the SINOP.

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## 9.0. REFERENCES

*Solomon Islands Marine Spatial Plan (draft) 2022.* Solomon Islands Government, Honiara, Solomon Islands

*Solomon Islands National Oceans Policy.* 2018. Solomon Islands Government, Honiara, Solomon Islands

Other references ( with TF)

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## 10.0. OTHER RESOURCES

MACBIO –resources (<http://macbio-pacific.info/resources>)

- Legal Review legislation, Policies, Strategies and Plans relating to the use and management of the ocean (Solomon Islands)
- Solomon Islands National Ocean Policy
- Marine Bioregions of the Solomon Islands
- Biophysical, Unique Marine Areas of Solomon Islands
- Solomon Islands Marine Spatial Planning process
- Solomon Islands National Marine Ecosystem Valuation

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Date: 22<sup>nd</sup> June 2024

To whom it may concern



Solomon Islands  
Government

Ministry of  
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Climate Change,  
Disaster Management  
& Meteorology



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Solomon Is. Ocean

**RE: Invitation to attend and participate in the national Validation workshop on the Policy Framework of the National ICZM and Mangrove Planning and Coordination (Monday 1<sup>st</sup> July and Tuesday 2<sup>nd</sup> July 2024)**

The Ministry of Environment, Climate Change, Disaster Management and Meteorology, through the Climate Change Division is working in collaboration with SINU, Korea Environment Institute (KEI) and the Climate Technology Centre and Network (CTNC) is pleased to invite you to a two-day workshop purposely to review the ICZM mangrove policy Statements, Technology Fact Sheets, including other important components of the policy framework for the Integrated Coastal Zone Management (ICZM) mangrove Plan and Coordination.

Base on the above, and given the importance of your role and the relevance of your sector in this process, your participation will contribute significantly to the development of a comprehensive and actionable ICZM mangrove plan that addresses the needs and challenges of coastal ecosystems and ensure sustainability of our mangrove management strategies in Solomon Islands.

Please feel free to send a representative of your organizations, if you are not able to attend.

Date and Venue of the workshop is as follows:

- 1. Date: Monday 1<sup>st</sup> July and Tuesday 2<sup>nd</sup> July – (8:45am – 4:30pm)**
- 2. Venue: SINU, Science Lab Conference Room, Kukum Campus.**

Other details for this workshop shall be provided during the meeting.

Please confirm your attendance and participation to Ms. Mary Paia ([marytahupaia@gmail.com](mailto:marytahupaia@gmail.com)) or Mr. Chris Teva ([pitapile@gmail.com](mailto:pitapile@gmail.com)).

Thank you and we look forward to your participation.

A handwritten signature in blue ink, appearing to read 'Banarbas Z Bago'.

Banarbas Z Bago (Mr)  
**National Programme Coordinator (PMCU)**  
**For: Permanent Secretary (MECDM)**

## Workshop on Validation of ICZM Mangrove Policy

Date: 1 -2 July 2024

Venue: SINU Kukum Campus

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### I. Concept Note

#### 1. Background

The Solomon Islands Community Based Coastal and Marine Resource Management Strategy, spanning from 2021 to 2025, focuses on achieving healthy marine and coastal resources, contributing to socio-economic needs and food security. The policy targets 25% improvement in community-based resource management across coastal areas by 2025. It emphasizes scaling up CBRM through awareness campaigns, training, and community engagement. The strategy integrates sustainable livelihoods, climate change adaptation, and monitoring systems to ensure effective coastal management.

Simultaneously, the government addresses climate change challenges by proposing an Integrated Coastal Zone Management (ICZM) framework. With a reliance on agriculture, forestry, and fisheries, the Solomon Islands aim to safeguard coastal ecosystems. The Climate Technology Centre and Network supports this initiative, focusing on ICZM policies and mangrove protection. The assistance includes stakeholder mapping, legal framework analysis, consultations, and awareness campaigns. The anticipated impact involves integrated coastal development, sustainable economic growth, conservation of resources, and effective disaster risk reduction.

ICZM policy framework aims to:

- Promote integrated planning and coordination of coastal developments across the various sectors.
- Promote sustainable economic development to secure livelihoods of coastal communities.
- Conserve the coastal and marine resources and environment for sustainable development.
- Manage environmental risks associated with changes in shoreline and climate.
- Develop capacity in research and education and enhance stakeholder awareness and participation in sustainable resource management.
- Establish effective institutional and legal frameworks for implementation of the ICZM policy.
- Protect the mangroves through Ecosystem based adaptation solutions.

#### 2. Objectives:

The workshop will be focused on:

- Validating the ICZM Mangrove plan's vision and mission;
- Validation of the Technology Factsheets
- Validation of the Policy Statements

## II. Tentative programme

### Monday 1 July

Workshop day 1

| <b>Day 1, July 1</b> |   |
|----------------------|---|
| 08:45-09:00          | Arrival of the Participants/Registration  |
| 09:30-10:00          | <b>Opening</b> <ul style="list-style-type: none"> <li>• Introduction of workshop by KEI (Dr Sangin Kang, KEI)</li> <li>• Welcome address by Dean of FAFF</li> <li>• Self-introduction of participants</li> <li>• Group photo</li> </ul> |
| 9:30- 10: 30         | <b>Session 1.</b> Overview of ICZM Mangrove Policy Framework (Dr Kang)<br>Q& A Session  |
| 10:30 – 11:00        | <b>Tea break</b>  |
| 11:00 -12:30         | <b>Session 2. Review of Policy Statements</b> <ul style="list-style-type: none"> <li>• Presentation by the Solomon Islands government team (Chris Teva)</li> <li>•</li> </ul>   |
| 12:30-1:30           | Lunch Break   |
| 1:30 -3:00           | <b>Session 3.</b> Validation of Policy Statements <ul style="list-style-type: none"> <li>• Planery Discussion on Policy Statements</li> <li>• Consolidation and feedback from participants (Mary- facilitator)</li> </ul>               |
| 3:00-3:30            | Tea and coffee break  |
| 3:30-5:00            | <b>Session 4.</b> Finalization of Policy Statements <ul style="list-style-type: none"> <li>• Finalizing policy statement based on feedback</li> <li>• Documentation and Agreement (Dr Kang)</li> </ul>                                  |
| 5:00                 | <b>Closing session (Barnabas Bago)</b>  |

### Tuesday 2 July

Workshop day 2: Technological Factsheets and Policy Framework Components

| <b>Day 2, February 2</b> |  |
|--------------------------|--|
| 8:30-9:00                | Arrival of the Participants/Registration |

|             |   |
|-------------|---|
| 09:00-10:30 | <b>Session 1. Introduction to Technology Factsheets</b> <ul style="list-style-type: none"> <li>• Presentation on Technology factsheets for Mangrove Management</li> <li>• Q &amp; A Session</li> </ul>  |
| 10:30-11:00 | Break   |
| 11:00-12:30 | <b>Session 2. Review of Technology Factsheets</b> <ul style="list-style-type: none"> <li>• Presentation of findings by SINU team (Mary and Veira, Merald, Claire Marvin and Fiona)</li> <li>• Presentation of findings by MECDM team</li> </ul>             |
| 12:30-1:30  | Lunch   |
| 1:30-3:00   | <b>Session 3. Validation of Technology Factsheets</b> <ul style="list-style-type: none"> <li>• Plenary discussions on the Technology Factsheets</li> <li>• Consolidation of feedback (Veira)</li> </ul>   |
| 3:00-3:30   | Tea break   |
| 3:30-5:00   | <b>Session 4. Integration with Policy Framework</b> <ul style="list-style-type: none"> <li>• Discussions on Integrating Technology Factsheets with Policy Statements</li> <li>• Wraps up and finalizing other components of the policy framework</li> </ul> |
| 5:00        | Closing Session<br>Closing Remarks <ul style="list-style-type: none"> <li>• Dr Kang</li> <li>• Thaddeus and</li> <li>• Dean FAFF</li> </ul>   |