Strengthening National and Sub-National Capacity for DRR & CCA in Maldives under SDG-Fund

Project Introduction

Ms Leila Salarpour Goodarzi
Associate Economic Affairs Officer, South and South-West Asia Office, ESCAP
Summery Information

- Delivery: 2 outcome and 3 output
- A Collaborative Work
- Timeline

- A two years SDG-Funded Project
- Collaboration Between ESCAP, UNDP, local/national & international partners

Some of the Programs and products
The Highlights

➢ Brought the global agenda on disasters in local context to bridge science and policy for DRR and CCA in the country

➢ Used global scenarios of climate projection data with enhanced spatial scale to improve the visibility of risks at the atoll and island level

➢ Identified the pertinent sectors and relevant climate variables to develop risk information and analysis

➢ Updated and enhanced the risk analysis by integrating stakeholder’s feedback, suggestions and priorities to make it more contextual and actionable

➢ Enhanced accessibility and utility of the data and analysis through dedicated country specific decision support system under ESCAP Risk and Resilience Portal
Summery Information

2 outcome and 3 output
Outcome and Output

Outcome 1: National and sub-national institutions and communities in Maldives, particularly at-risk populations, are better able to manage natural resources and achieve enhanced resilience to climate change and disaster impacts, natural and human-induced hazards, and environmental degradation.
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Output 1: Customized operational tools and techniques for land use planning, natural resource mapping and land and marine spatial planning.

Output 2: Enhance the institutional capacity of MMS for upgrading and scaling up the monsoon forums with better customized climate and weather risk reduction services at atoll and island level.
Outcome and Output

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- Output 1: Customized operational tools and techniques for land use planning, natural resource mapping and land and marine spatial planning
- Output 2: Enhance the institutional capacity of MMS for upgrading and scaling up the monsoon forums with better customized climate and weather risk reduction services at atoll and island level

Outcome 2: Gender-responsive and equity-oriented, CCA/DRR planning tools are developed and execution is strengthened at national and subnational levels
Outcome and Output

- **Outcome 1:** National and sub-national institutions and communities in Maldives, particularly at-risk populations, are better able to manage natural resources and achieve enhanced resilience to climate change and disaster impacts, natural and human-induced hazards, and environmental degradation.
  
  Output 1: Customized operational tools and techniques for land use planning, natural resource mapping and land and marine spatial planning.
  
  Output 2: Enhance the institutional capacity of MMS for upgrading and scaling up the monsoon forums with better customized climate and weather risk reduction services at atoll and island level.

- **Outcome 2:** Gender-responsive and equity-oriented, CCA/DRR planning tools are developed and execution is strengthened at national and subnational levels.
  
  Output 1: Gender responsive planning tools and guidelines for CCA/DRR.
Sustainable Development Goals (SDGs)
Summery Information

A Collaborative Work
Some of the Partners:

- National Disaster Management Authority
- Land Survey Authority
- Island & Atoll Councils
- Ministry of Climate Change, Environment and Energy
- RIMES
- Maldives National University

UN Agencies

Local Government Authority

Ministry of National Planning, Housing & Infrastructure

AP-PLAT

Maldives Meteorological Services
Summary Information

Timeline
Timeline at a Glance

Initial timeline: 1 Jan 2022 – 31 Dec 2023
Extended to 31 March 2024

Timeline:

- **2022**
  - Start of the scoping & Planning
  - Recruiting the Consultants
  - May-Midterm Review
  - 8th Monsoon Forum
- **2023**
  - Focus group Discussion for gender aspect
  - First Capacity Buildings Using the portal Prototype
  - June: Technical Training on GIS & QGIS
- **2024**
  - Publication of 4 manuals
  - 1-April

Events:

- Oct - First Stakeholder Consultation
- August: Advance Technical Training on Climate change and Risk Analysis
- Portal & data integration into national platforms

Notes:
- Initial timeline: 1 Jan 2022 – 31 Dec 2023
- Extended to 31 March 2024
- Updated methodology for more downscaled approach, collecting and adding the requested data.
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Series of Capacity Building of the RRP
Publication of 4 manuals

2023
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June: Technical Training on GIS & QGIS
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2024
Portal & data integration into national platforms
1-April
Final Report and Risk Profile of Maldives

Updating the methodology for more downscaled approach, collecting and adding the requested data
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- Series of Capacity Building of the RRP
- 1-April
- Publication of 4 manuals
- Final Report and Risk Profile of Maldives

Updating the methodology for more downscaled approach, collecting and adding the requested data

Portal & data integration into national platforms
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1-April
- 1-April
- Final report and Risk Profile of Maldives

Updating the methodology for more downscaled approach, collecting and adding the requested data

Portal & data integration into national platforms

August: Advance technical training on Climate change and Risk Analysis
➢ Feedback on the work
➢ Request on more downscaled hazard risk projections
➢ Additional data requests
Timeline at a Glance

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Updating the methodology for more downscaled approach, collecting and adding the requested data
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First Capacity Buildings Using the portal Prototype

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Series of Capacity Building of the RRP

First Capacity Buildings Using the portal Prototype

Publication of 4 manuals

2024

1-April

Final Report and Risk Profile of Maldives

Extended to 31 March 2024

Updating the methodology for more downscaled approach, collecting and adding the requested data
➢ Feedback on the work
➢ Confirmation of findings and initial validations
➢ Collecting Data
➢ Capacity Building
Timeline at a Glance

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Start of the Scoping & Planning: February 2022

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- Recruiting the Consultants

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- Series of Capacity Building of the RRP
- 1-April

June: Technical Training on GIS & QGIS

- October: First Stakeholder Consultation
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- August: Advance Technical Training on Climate change and Risk Analysis
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Publication of 4 manuals
- Final Report and Risk Profile of Maldives
First Technical Training (Online)

- June 2023
- Basic Training on GIS and QGIS Software
Timeline at a Glance

Initial timeline: 1 Jan 2022 - 31 Dec 2023
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<tr>
<th>Year</th>
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Second Technical Training (In-Person)

- August 2023
- A Two-day Workshop on Climate Change and Disaster Risk Analysis In Maldives Using Geospatial Data and Applications

Participants were equipped with the necessary skills to find, upload, create, and use maps through GIS.
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Bridging the science policy gap for informed disaster and climate action

Asia Pacific Risk & Resilience Portal

Bridging the science policy gap for informed action

700+ Datasets

100+ Policy documents

https://rrp.unescap.org/
Integrating the Portal into National Systems
Hosting the Data In National Level

National Disaster Management Authority

Maldives Meteorological Services

Maldives National University
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Knowledge Products
This manual aims to enhance basic knowledge and skills in Geographic Information System (GIS) and the usage of the QGIS software.
• English

• This manual is prepared to introduce impact-based forecasting and the substantive steps for producing an impact-based forecast, with a focus on the local context of Maldives to enhance the capacity of the Maldives Meteorological Service (MMS) in providing impact-based forecasting and early warning services.
This manual provides step-by-step guidance on climate risk assessment in the Maldives using downscaled climate projection information and geospatial technology.

The manual is specifically designed for beginner-level operators and includes detailed illustrations of each step to ensure ease of understanding.

This manual can be used to develop and update the national/sub-national climate risk profile of countries using opensource data and software.
• English

• Dhivehi Upcoming in collaboration with UNDP

• This Manual aims to provide a roadmap into using the available data and tools provided using the Risk and Resilience Portal through step by step and simple explanation.

• It would allow non-technical individuals in different levels access and use the data.
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Way Forward?
Some of the Action Points Moving Forward:

❖ Dissemination of the Data in National and Subnational Level

❖ Continuous Training on Risk and Resilience Portal through NDMA, MNU and other partners

❖ Providing the data to Students and technical experts for further work

❖ Assist Partners in increasing and updating the available data for a sustainable approach

❖ Using innovative tools to allow more interactive work with the portal

❖ Supporting partners to integrate the data and findings into future works
  ✓ Early Warning for all initiative
  ✓ Loss and Damage fund for slow onset disasters
  ✓ Disaster Risk Reeducation Plans by NDMA