

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

## Project Introduction

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## Summery Information

- **Delivery: 2 outcome and 3 output**
- **A Collaborative Work**
- **Timeline**
- **Some of the Programs and products**

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

# 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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Output2: 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

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

Output1: 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**

**UN Agencies**

**Land Survey Authority**

**Local Government Authority**

**Ministry of National Planning, Housing &  
Infrastructure**

**Island & Atoll Councils**

**Ministry of Climate Change, Environment  
and Energy**

**AP-PLAT**

**RIMES**

**Maldives National University**

**Maldives Meteorological Services**

# Summery Information



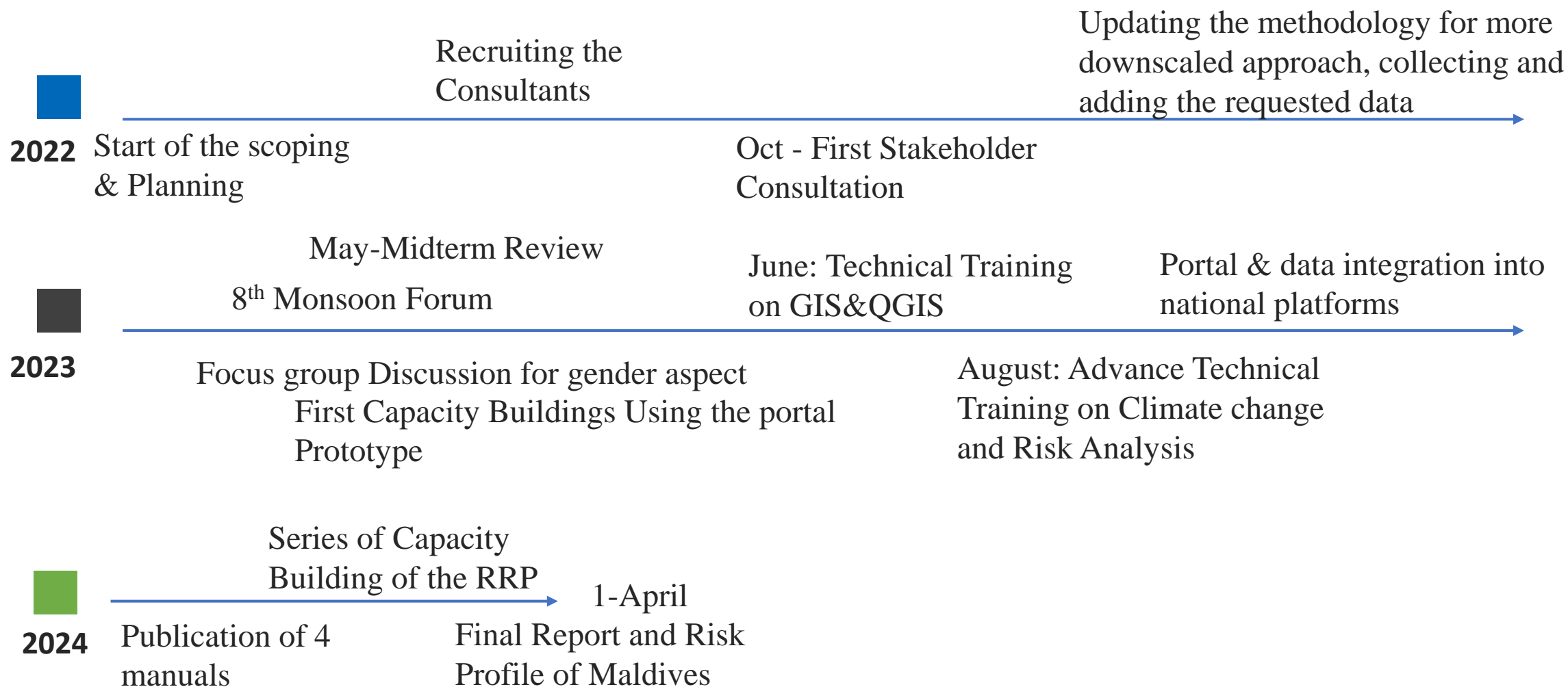
**Timeline**



# Timeline at a Glance

Initial timeline :1 Jan2022-31 Dec2023

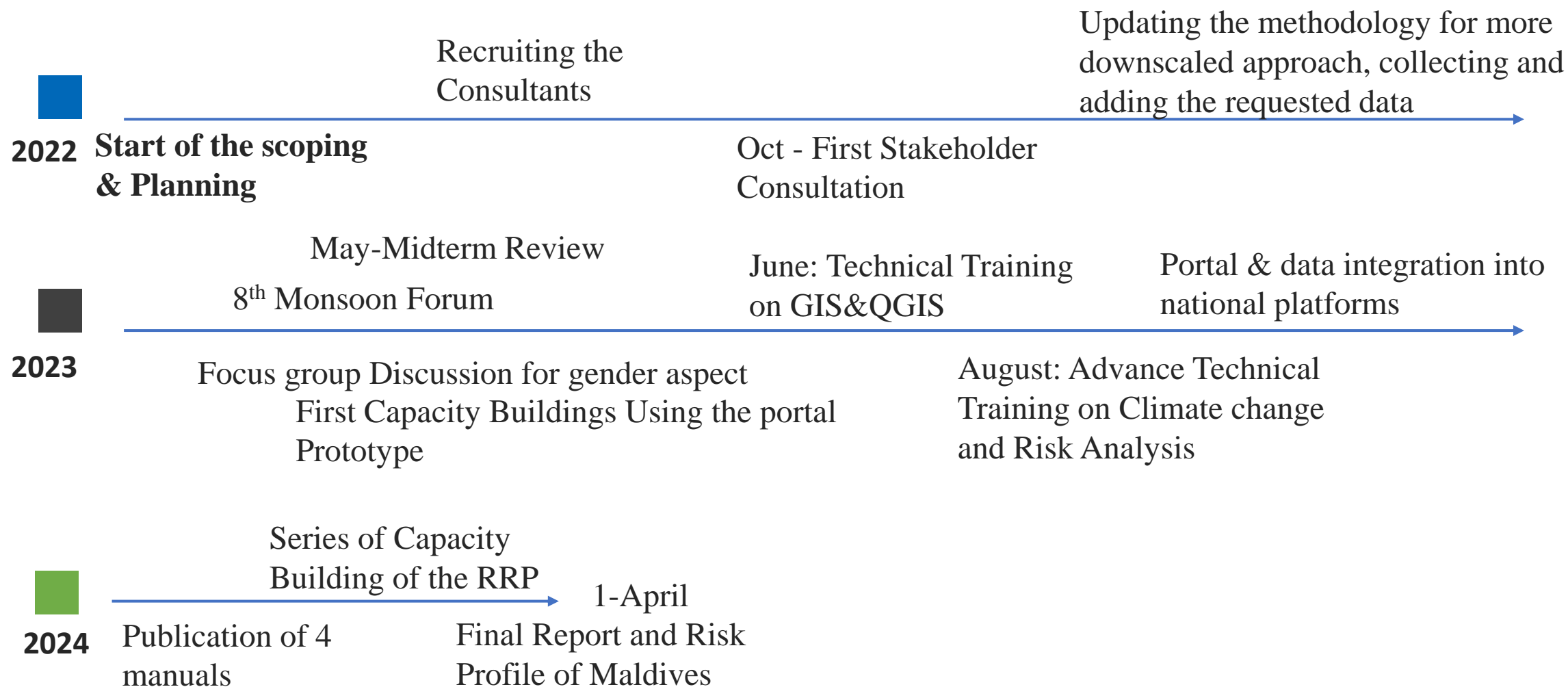
Extended to 31 March 2024



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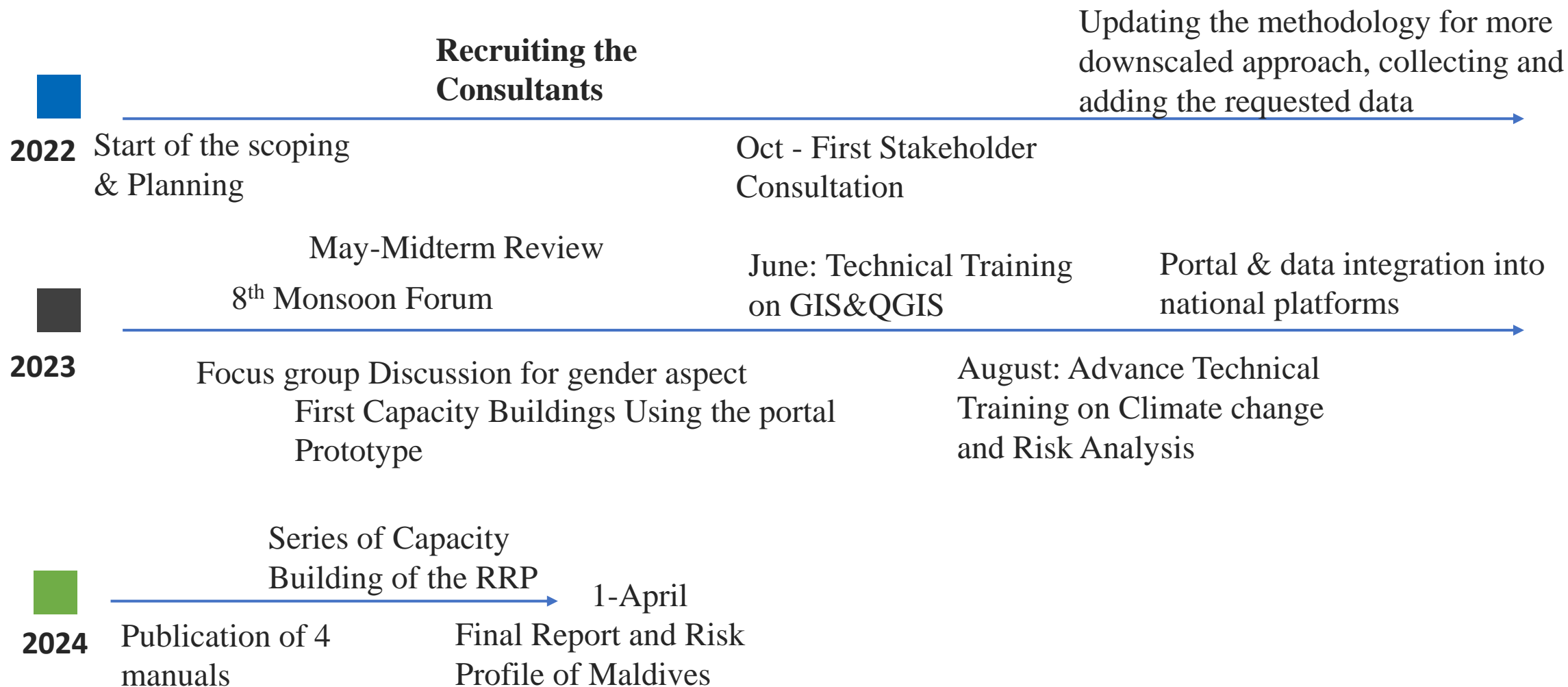
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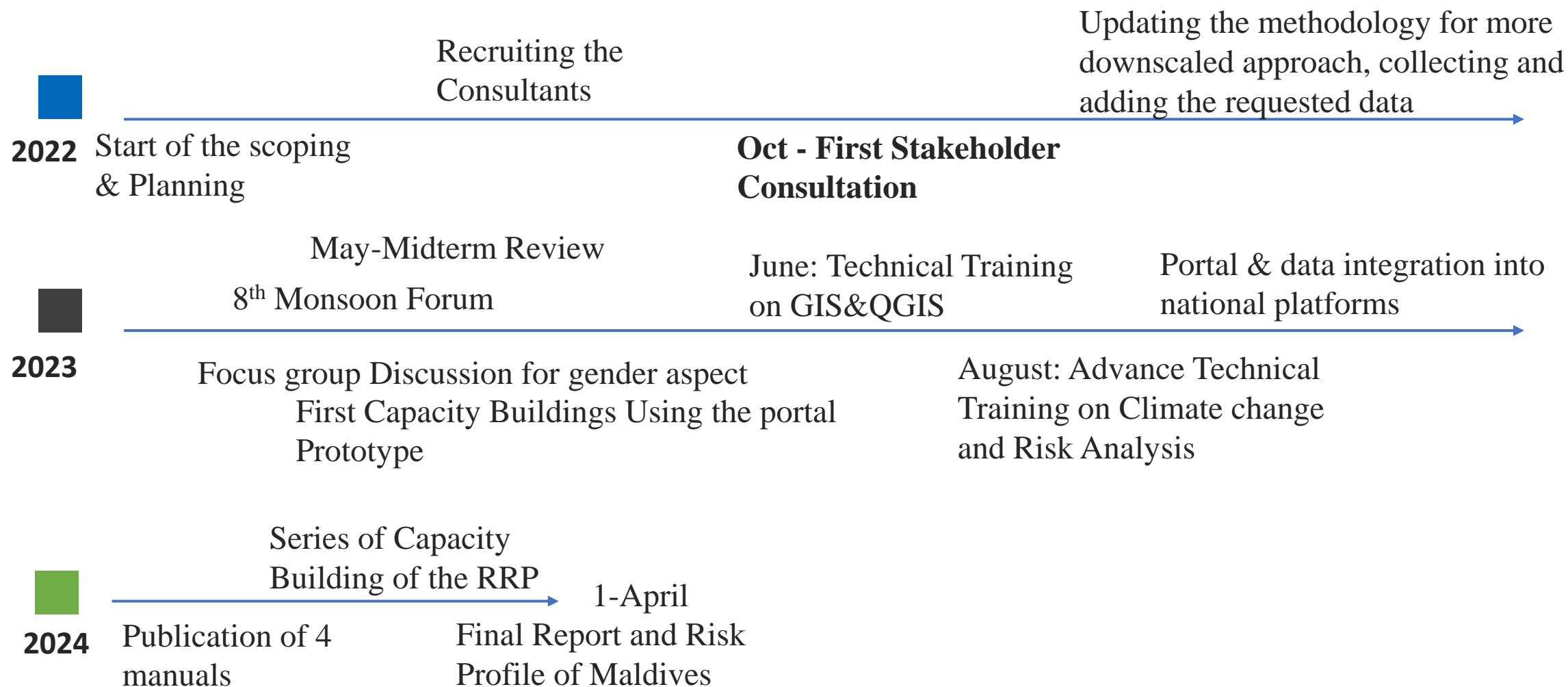
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# Timeline at a Glance





## October 2022 - First Stakeholder Consultation

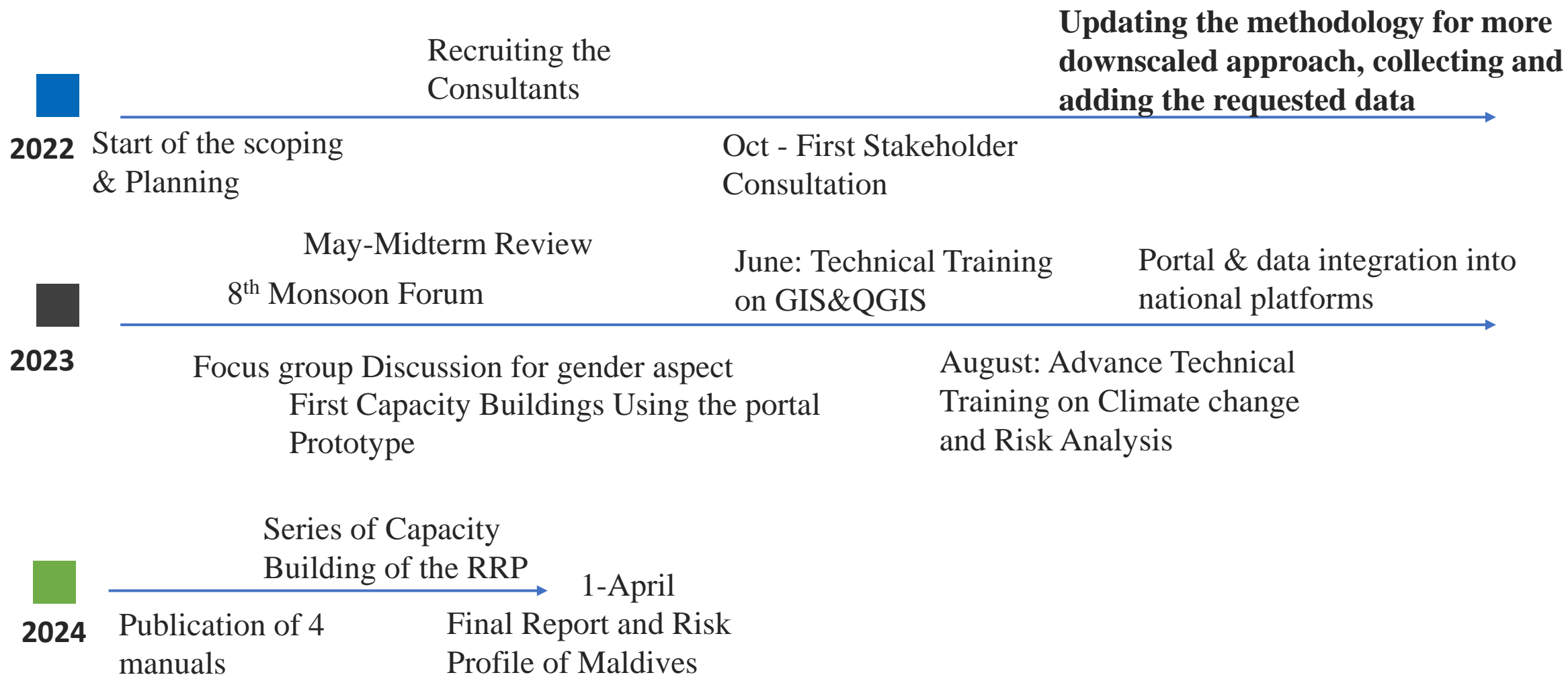


- **Feedback on the work**
- **Request on more downscaled hazard risk projections**
- **Additional data requests**

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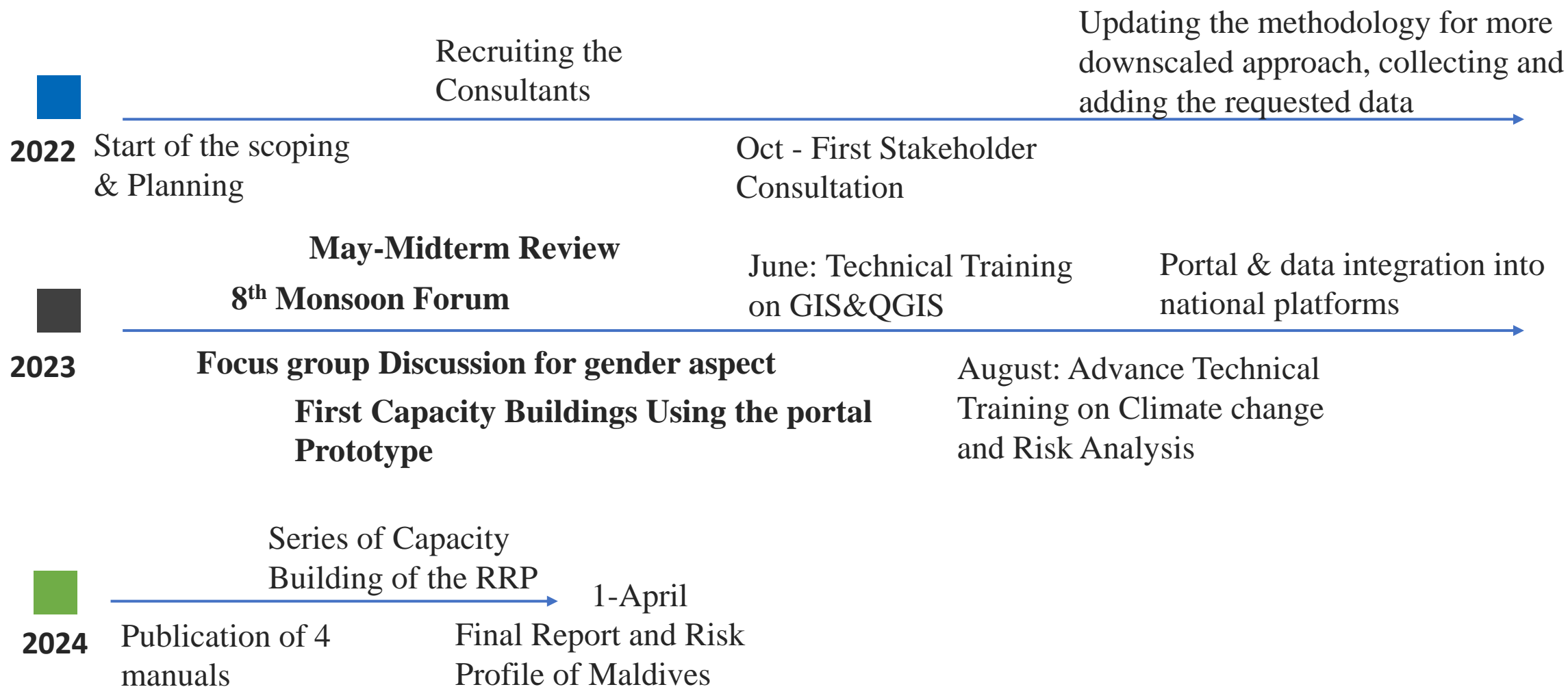
# Timeline at a Glance



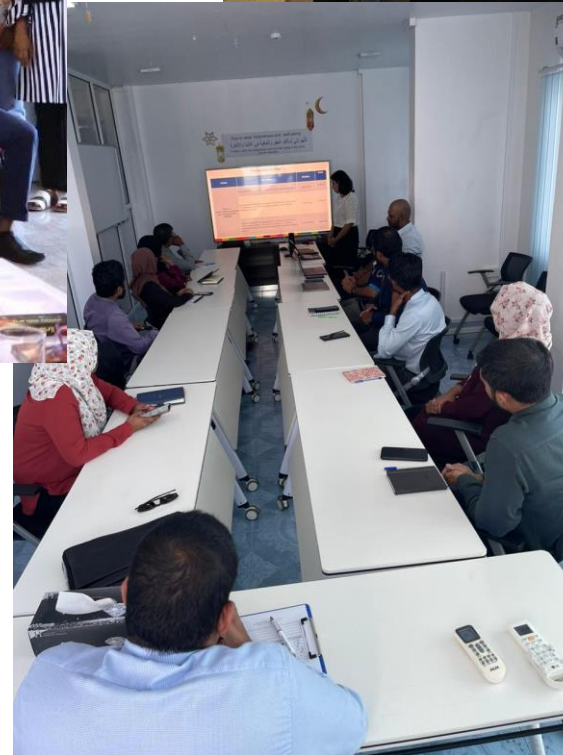
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# Timeline at a Glance



May 2023

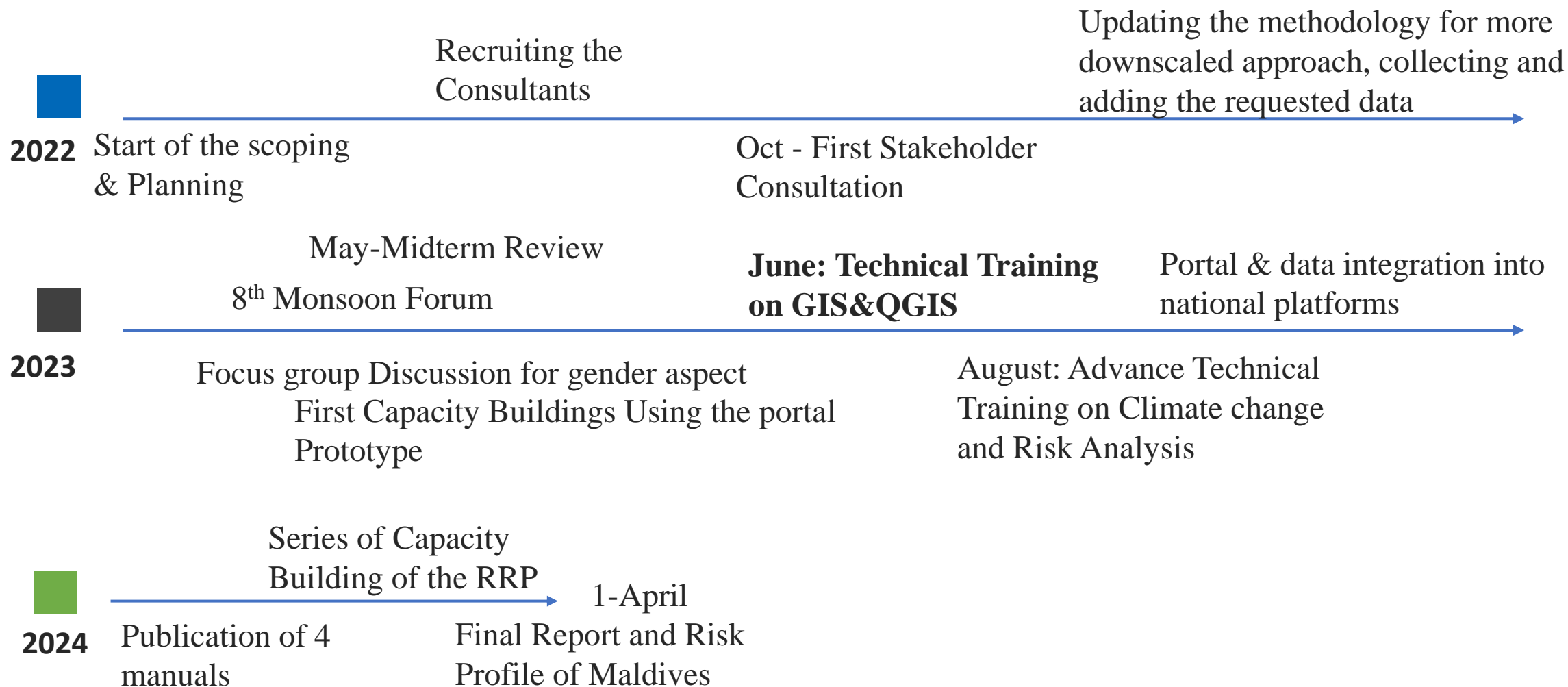


- **Feedback on the work**
- **Confirmation of findings and initial validations**
- **Collecting Data**
- **Capacity Building**

# Timeline at a Glance

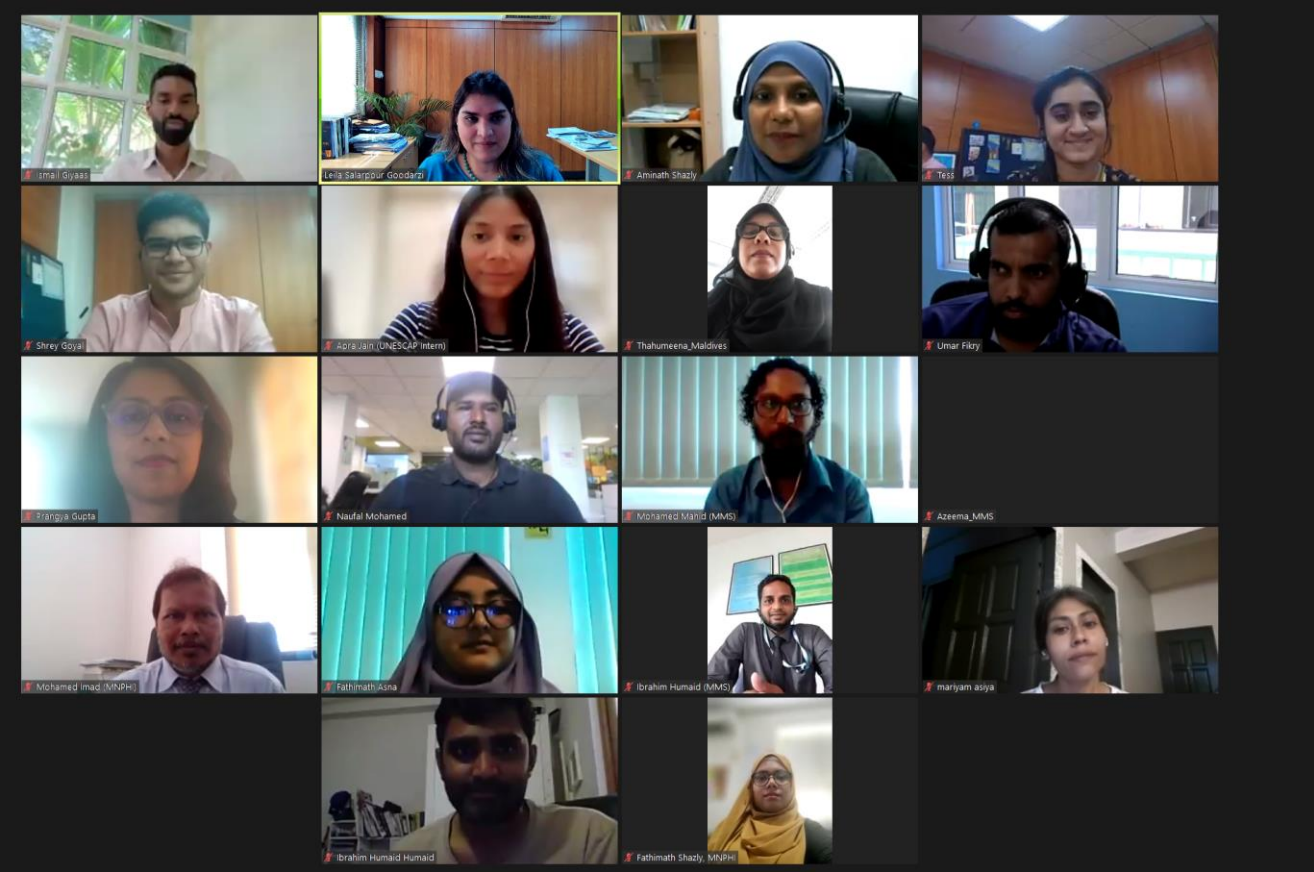
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# First Technical Training (Online)

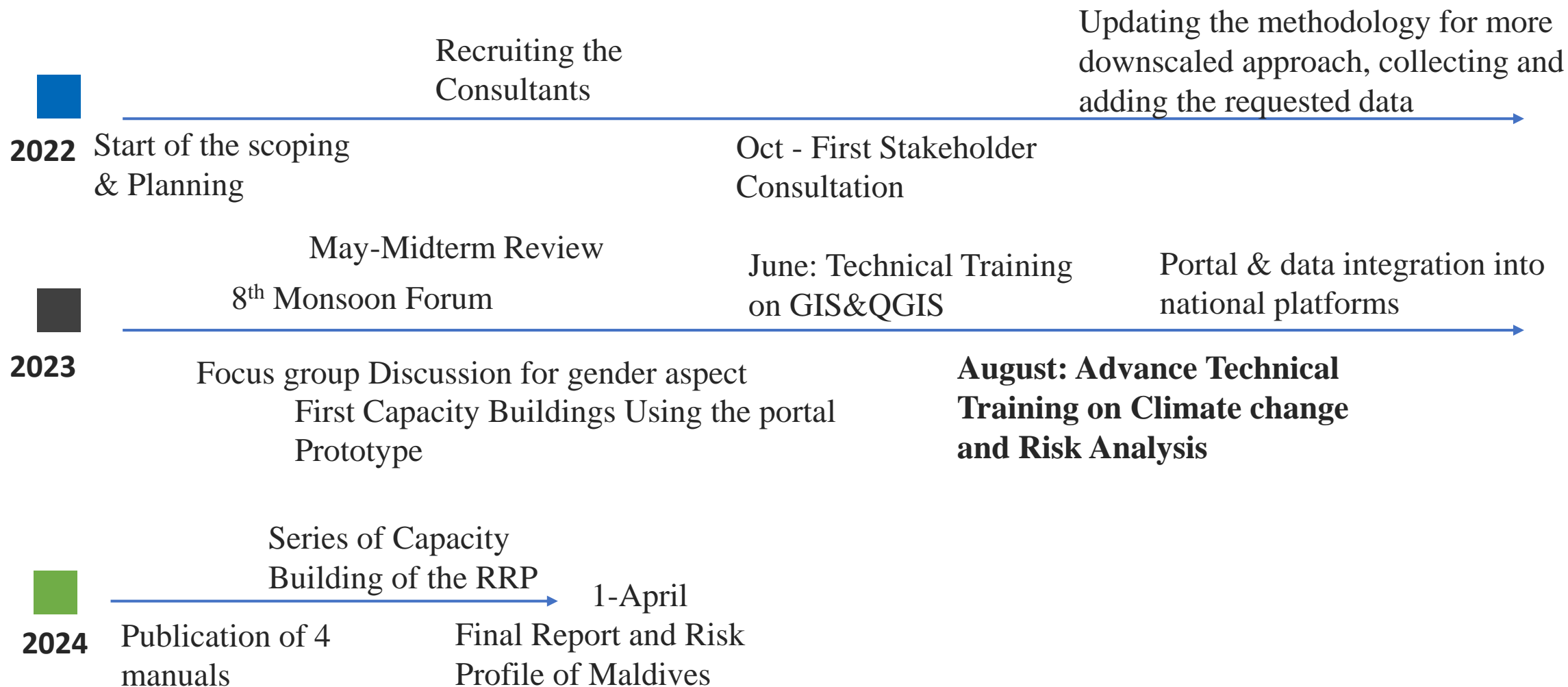
- June 2023
- Basic Training on GIS and QGIS Software



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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.

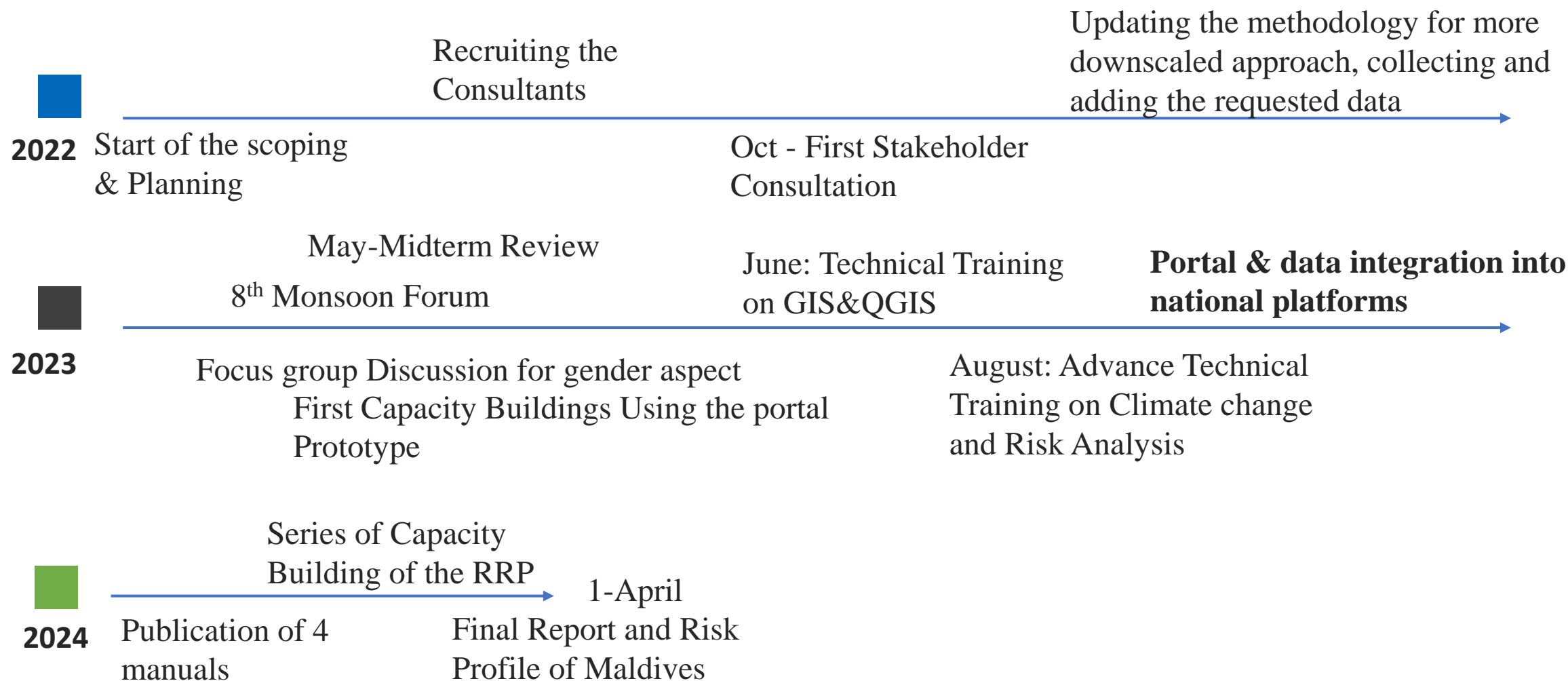




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# Timeline at a Glance



# RISK AND RESILIENCE PORTAL

An Initiative of the Asia Pacific Disaster Resilience Network

*Bridging the science policy gap for informed disaster and climate action*

## Asia Pacific Risk & Resilience Portal

Bridging the science policy gap for  
informed action

🔗 Data Explorer

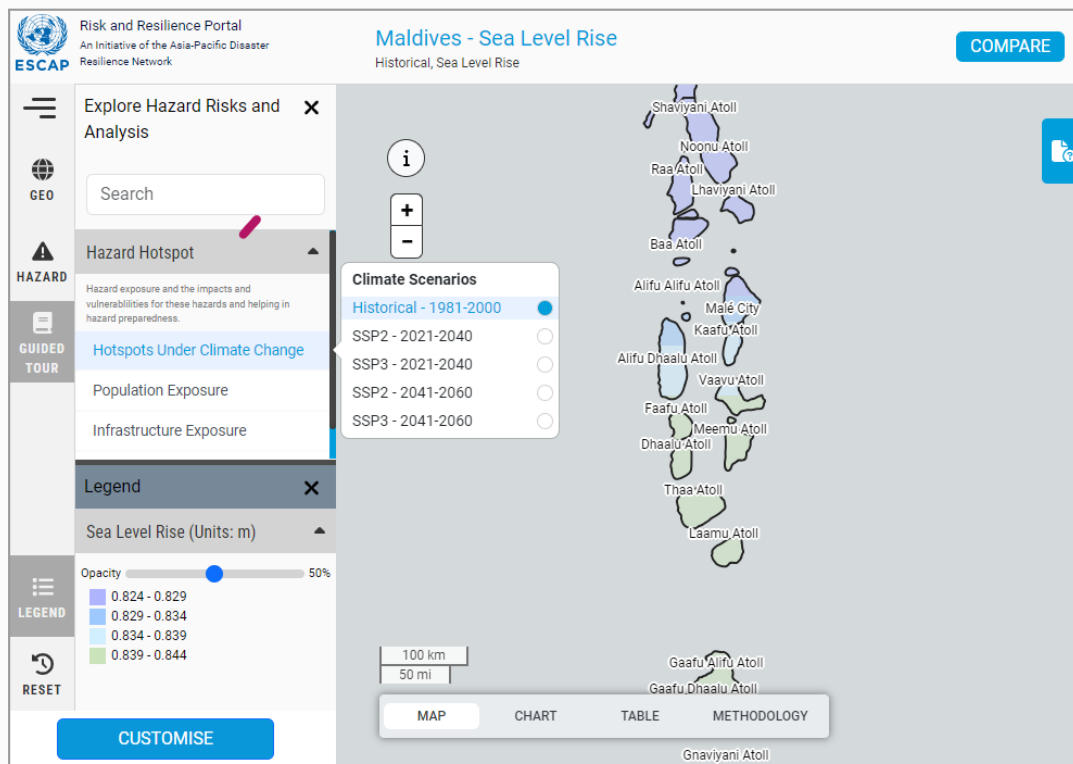
700+  
Datasets

100+  
Policy documents



<https://rrp.unescap.org/>

# Integrating the Portal into National Systems



# Hosting the Data In National Level

National Disaster  
Management Authority

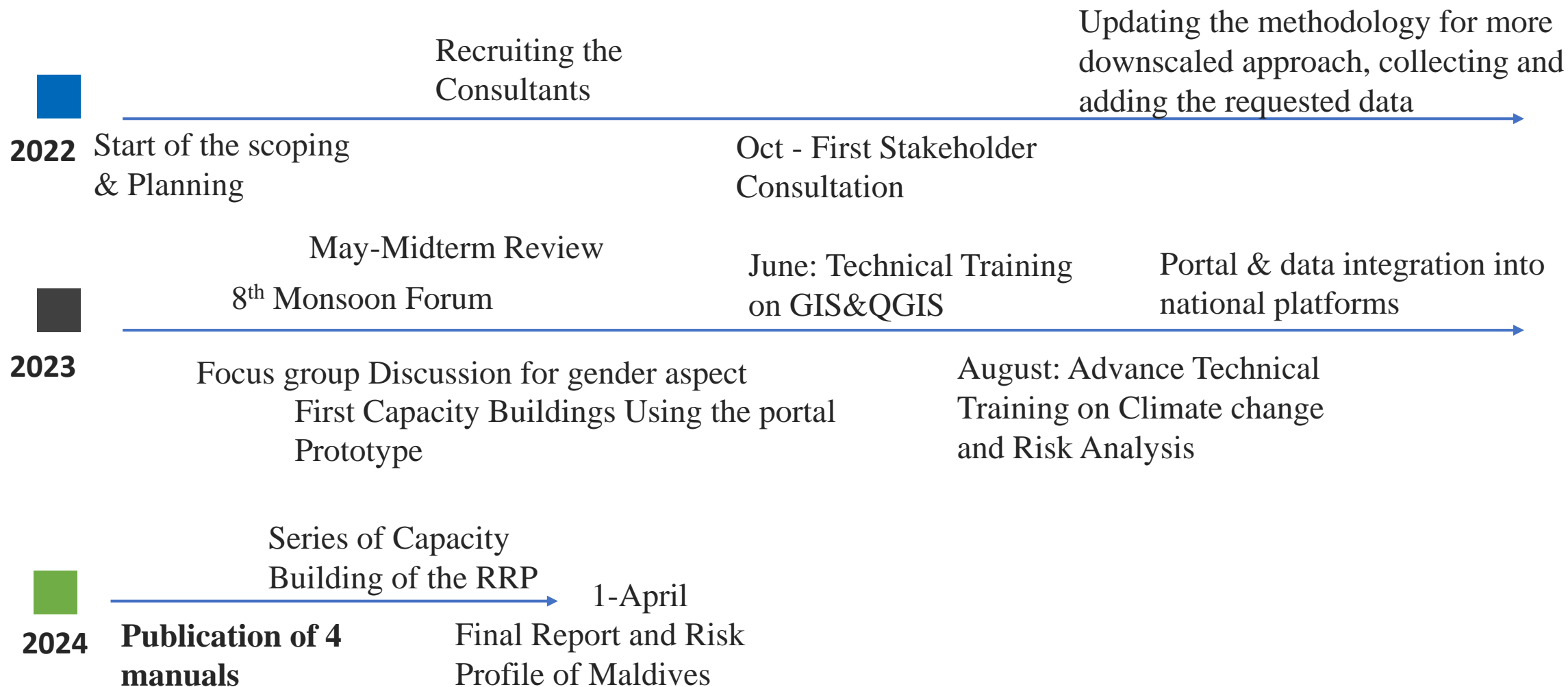
Maldives Meteorological  
Services

Maldives National  
University

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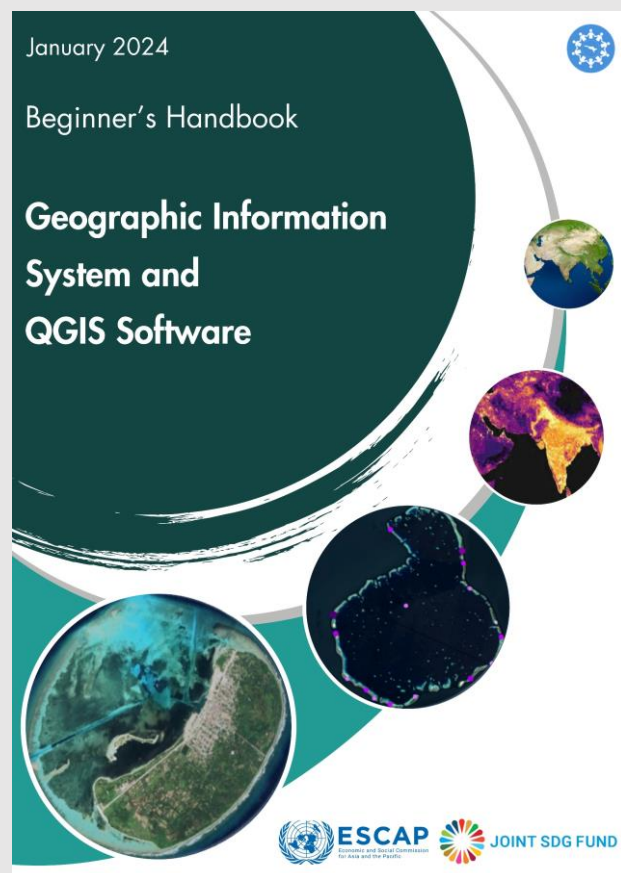
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# Knowledge Products

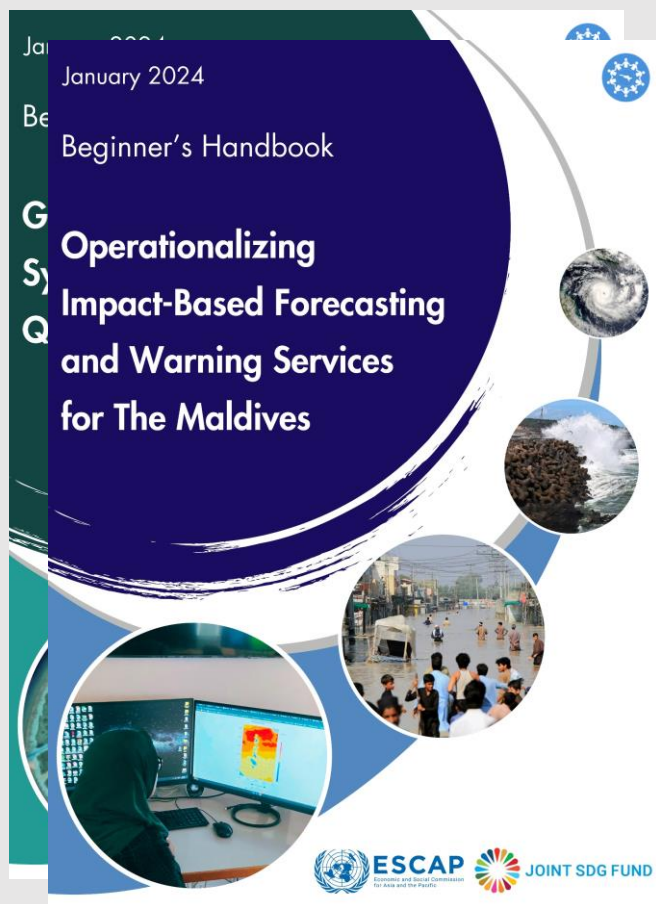
# Manuals



- **English**
- This manual aims to enhance basic knowledge and skills in Geographic Information System (GIS) and the usage of the QGIS software.



# Manuals



- **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.





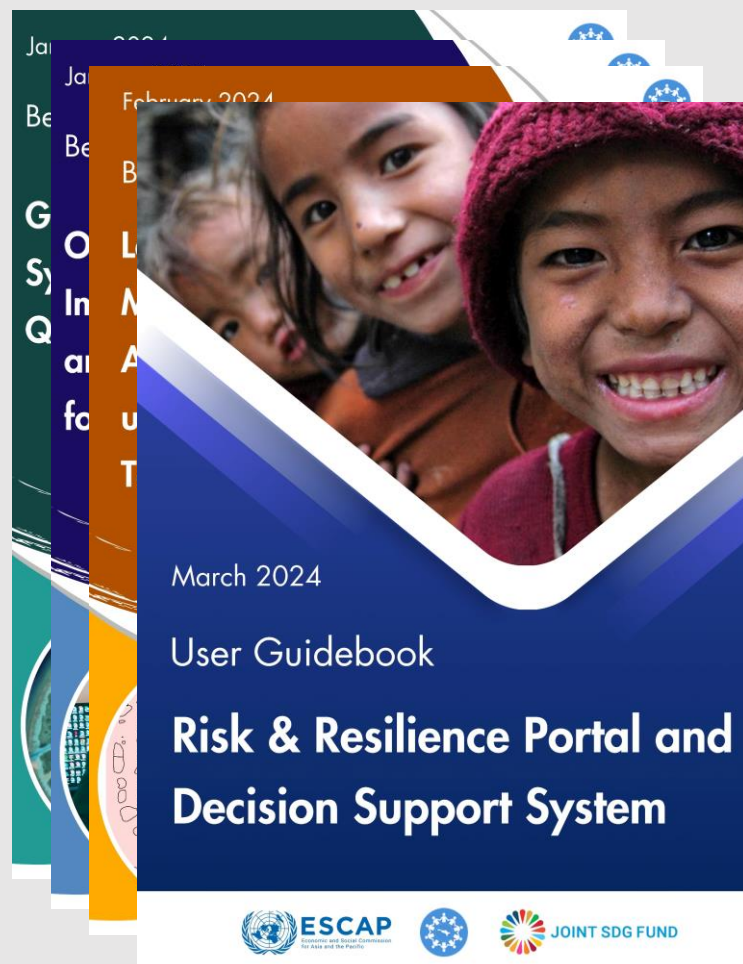
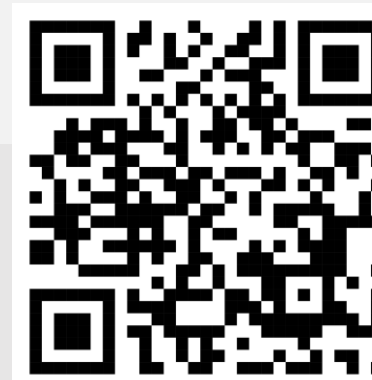
# Manuals



- **English**
- This manual provides step-by-step guidance on climate risk assessment 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



# Manuals

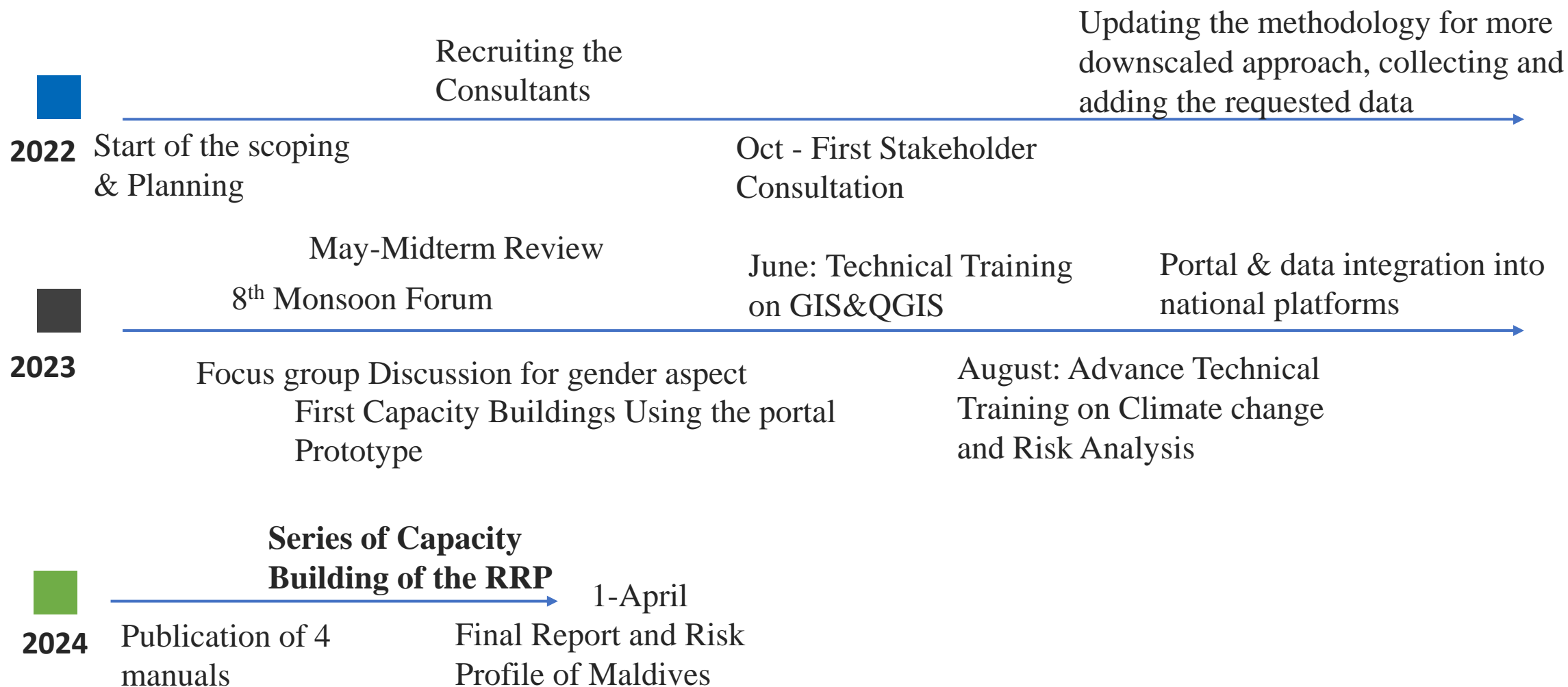


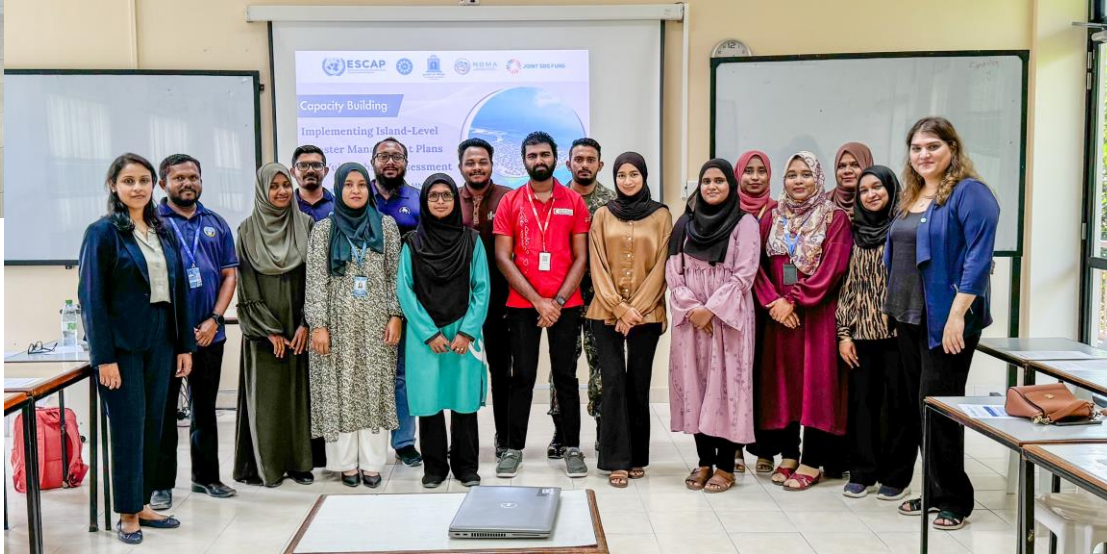
- **English**
- **Dhivehi** Upcoming in collaboration with UNDP
- This Manual aims to provide a roadmap into using the available data and tools provided using the Risk and Resilience Portal through step by step and simple explanation.
- It would allow non-technical individuals in different levels access and use the data.

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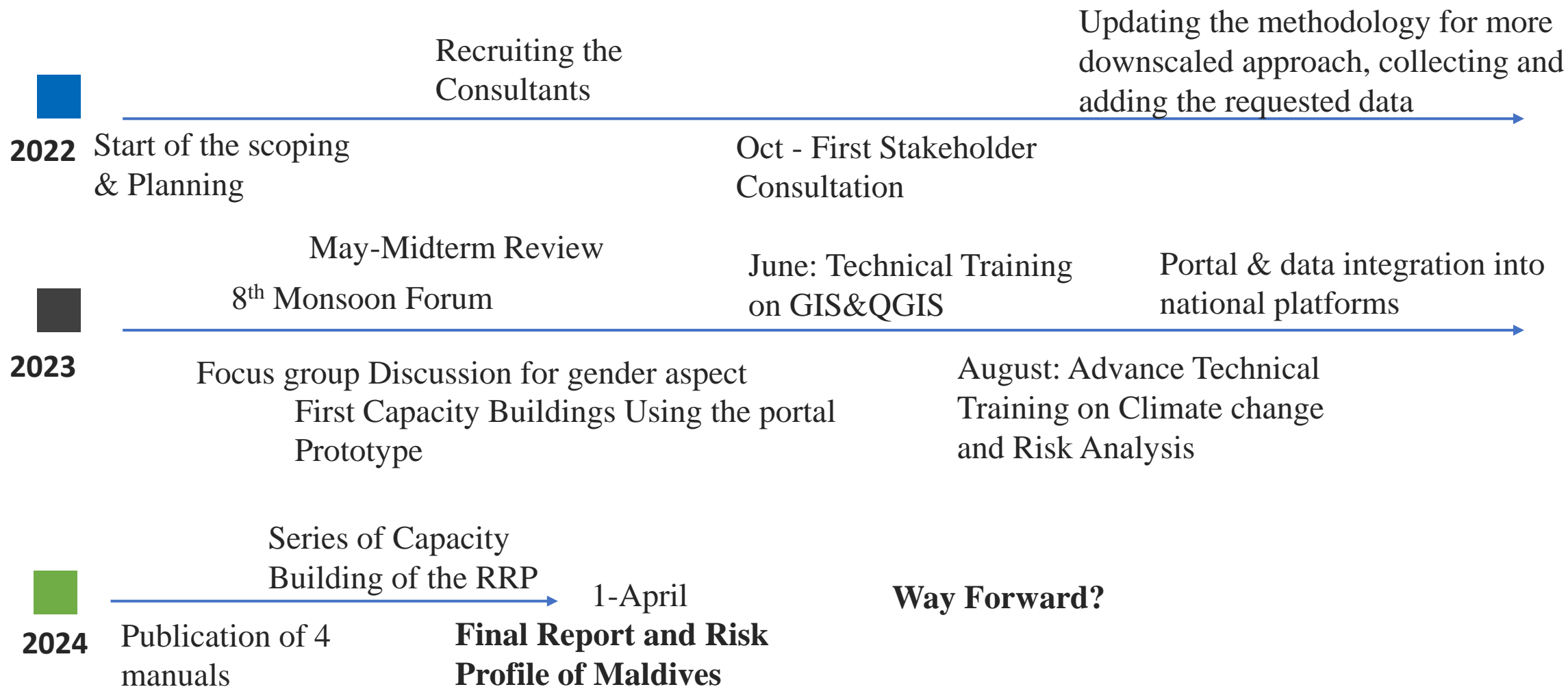


**Series of Capacity Building on the Use of the Risk and Resilient Portal**

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## 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



# ESCAP

Economic and Social Commission  
for Asia and the Pacific