

Terms of Reference

Consultancy: Climate Risk Assessment of the Tanger-Tetouan-Al Hoceima region, Morocco

GEF MedProgramme

July 2021

1 Context and objectives

1.1. The GEF MedProgramme

The Mediterranean Sea Programme: Enhancing Environmental Security ([MedProgramme](#)) is a 43 million USD assortment of seven child projects funded by the Global Environment Facility (GEF), with more than 100 coordinated actions at the regional and national levels in the 2021-2025 period. The MedProgramme aims to kick start the implementation of priority actions to reduce the major transboundary environmental stresses affecting the Mediterranean Sea and its coastal areas, while strengthening climate resilience and water security and improving the health and livelihoods of coastal populations. UNEP/MAP is its executing agency, and partners in execution include [UNESCO/IHP](#), [EIB](#), [IUCN Med](#), [GWP Med](#), [WWF Mediterranean](#) and the UNEP/MAP Regional Activity Centres [Plan Bleu/RAC](#), [PAP/RAC](#), [SCP/RAC](#) and [SPA/RAC](#). Its ten beneficiary countries are Albania, Algeria, Bosnia and Herzegovina, Egypt, Libya, Lebanon, Morocco, Montenegro, Tunisia and Turkey. The MedProgramme is articulated around four components reflecting the priorities adopted by the Contracting Parties to the Barcelona Convention, namely:

- Reduction of land-based pollution in priority coastal hotspots and measuring progress to impacts;
- Enhancing Sustainability and Climate Resilience in the Coastal Zone;
- Protecting Marine Biodiversity;
- Knowledge Management and Programme Coordination.

It builds on the MedPartnership and ClimVar & ICZM GEF projects, which enriched the knowledge on the Mediterranean environment and unravelled the implications of climate change and variability; strengthened countries' mutual trust, cooperation and common purpose; consolidated the partnership among countries, UN bodies, civil society organizations, bilateral donors and the European Union (EU); and tested on the ground the feasibility and effectiveness of technical and policy instruments aimed at addressing major present and future threats to environmental sustainability and climate related impacts. The project notably resulted in climate risk assessments for Croatia and Tunisia.

1.2. Consultancy tasks and objectives

This consultancy contract concerns the MedProgramme SCCF (Special Climate Change Fund) Project: *Enhancing regional climate change adaptation in the Mediterranean Marine and Coastal Areas*, which Plan Bleu is contributing to in collaboration with other Executing Partners (PAP/RAC and GWP-Med).

Plan Bleu's activities under SCCF Output 1.1. include the production of a **“gender-sensitive climate risk assessment (coastal hotspots areas and based on a stakeholder-led process), which provides a platform for building coastal resilience to climate change in a sustainable and inclusive manner”** in the Tanger-Tetouan-Al Hoceima region (TTAH), Morocco. To this end, Plan Bleu is seeking to recruit a consultant to work in close collaboration with the Plan Bleu team and the other executing partners of the SCCF Project. Another consultant will be recruited by Plan Bleu to perform the same tasks in Kotor Bay, Montenegro.

This contract includes the following activities, which are further detailed in Section 2:

- i) identifying and assessing existing climate risk assessments in Morocco, including gender assessments;
- ii) downscaling/updating/complementing existing assessments with relevant data (e.g., socio-economic and gender-related information focusing on the nexus of gender and climate change)
- iii) building stakeholders' capacities to use climate risk assessments for development planning in coastal areas.

Additionally, one climate risk assessment workshop will be conducted in the priority coastal hotspot area. Stakeholders invited to participate in the workshop will represent the main social and economic sectors in the targeted coastal zone, including national and local decision makers. Plan Bleu will ensure that gender

issues are fully integrated in the workshop design, that women are adequately represented in the stakeholder groups, and that the climate risk assessment duly considers gender gaps, specifically women and men's differentiated needs, priorities and preferences as pertaining to climate risks. During the workshop, stakeholders will be able to identify the geographical areas and social issues or economic activities in TTAH most exposed to climate change impacts/risks.

The TTAH Climate Risk Assessment will support other activities of the Medprogramme SCCF Project:

1. A workshop on adaptation interventions in coastal areas to be held in TTAH, using Plan Bleu's Climagine methodology¹.
2. Sub-regional consultations for International Finance Institutions and the banking, insurance, private sectors in low-lying coastal areas concerning the financing possibilities of the adaptation priorities identified in the SCCF project (including the climate risk assessment), and the institutional support needed for the enhanced use of gender-sensitive coastal climate risk assessments in investment decisions.

It will also closely support and encourage synergies with the Medprogramme Child Project 2.1. ("Mediterranean Coastal Zones: Water Security, Climate Resilience and Habitat Protection"), which will develop an Integrated Coastal Zone Management Plan in Tanger-Tetouan-Al Hoceima, led by PAP/RAC and supported by Plan Bleu's Climagine methodology.

2 Task description

2.1. Overview of Tasks

2.2. Provisional Timeline and Deliverables

Deliverable	Number of Days	Provisional date*
1. Based on consultations with relevant stakeholders, identify existing climate risk assessments in Morocco, as well as gender assessments, at the national and local levels through desktop research and online consultations.	10	August-December 2021
2. Downscale the identified assessments to the level of the Tanger-Tetouan-Al Hoceima region.	20	October-March 2021
3. Analysis and development of the gender-sensitive climate risk assessment	20	January-June 2021
3.1. Analysis and verification of the obtained results: analyze the downscaled risk assessments to identify gaps in the downscaled assessments.		
3.2. Introducing, upscaling and verifying information related to gender-sensitivity: compile relevant complementary data to produce		

¹ Plan Bleu developed the [Imagine](#) approach in collaboration with Dr. Simon Bell (Bayswater Institute, UK) in order to address sustainable coastal zone management needs in the Mediterranean. Imagine facilitates the shaping of a sustainable development vision and area project by engaging stakeholders through a participatory process intended to describe, assess and examine the past, present and future levels of sustainability of a local "socio-eco-system" by means of indicators, setting goals and monitoring the system's progress towards sustainable development. Based on systemic and prospective analysis, indicators and the concept of sustainability threshold, it is a dynamic, participation-based process which draws on the expertise of local stakeholders. The Climagine methodology based itself on Imagine while integrating climate variability and climate change impacts in coastal zones. It was previously applied in two coastal zones from 2012 to 2015: Šibenik-Knin County (Croatia) and the Kerkennah Archipelago (Tunisia) within the context of the Medpartnership. These past experiences are supporting the updating and further refinement of the Climagine methodology moving forward.

gender-sensitive climate risk assessments, in particular socio-economic and gender-related information.		
4. Finalization of the Gender-Sensitive Climate Risk Assessment for the Tanger-Tetouan-Al Hoceima region.	10	March-June 2022
5. Assist Plan Bleu in organizing a review and capacity-building workshop with local and national stakeholders from relevant institutions to: <ul style="list-style-type: none"> i. present, review, and validate the downscaled climate risk assessment. ii. strengthen stakeholders' capacities to use the climate risk assessments developed under this output, for development planning in coastal areas, using the Climagine approach. <p>The consultant will:</p> <ul style="list-style-type: none"> - participate in the identification of workshop participants - participate in the preparation of the workshop agenda and materials - present the climate risk assessment and oversee its review and validation process during the workshop - moderate the capacity-building section of the workshop in collaboration with the Plan Bleu team - ensure that gender considerations are integrated in the development, design and delivery of workshop agenda and materials <p>If necessary, any gaps in the gender-sensitive climate risk assessment identified during the workshop will then be addressed and included in the final version of the climate risk assessment by the consultant.</p>	4	June 2022

Please note that this timeline may be subject to modification due to the evolving and unpredictable restrictions imposed due to the COVID-19 Pandemic. Ideally, all workshops should be carried out on the ground and in person. If this is not possible, Plan Bleu and the consultant will resort to virtual means to ensure the timely delivery of the workshop. **The consultant should therefore be both familiar with and prepared to use online participatory moderation and facilitation tools for as long as necessary in the framework of this mission.*

2.3. Overview of the climate risk assessment's data needs

The TTAH climate risk assessment will provide a comprehensive picture of the region's risk profile. It will base itself on the IPCC AR5's risk concept in the context of socio-ecological systems and its definitions of risk, hazard, exposure, vulnerability, impacts and adaptation. The list of data and analyses to include below is indicative, and will evolve through consultations with key regional and national stakeholders. Indeed, data will be gathered by the consultant through:

- Desktop research
- Online consultations with relevant local and national stakeholders
- Consultations with and key references provided by the Plan Bleu team

Crucial aspects to include in the TTAH Climate Risk Assessment include, at the national level:

- Key national climate change policies and programs
- Key national meteorological data
- An overview of key national climate risk data: national climate baseline
- An overarching aspect of the MedProgramme is gender. The consultant will gather and use sex-disaggregated data whenever possible, and integrate gender as a key lens of analysis within this climate risk assessment.

Crucial aspects to include in the TTAH Climate Risk Assessment include, at the regional level:

- A risk profile of Tanger-Tetouan-Al Hoceima concerning the vulnerability of humans and natural systems to climate change and variability
- Key trends regarding temperature and precipitation
- The main climate hazards in TTAH and their current and potential future impacts based on regional, national and down-scaled climate and impact models
- The potential future evolution of vulnerability and its drivers in TTAH
- Coastal zones in TTAH and the potential impacts of sea level rise
- The current and potential impacts of climate hazards on key sectors in TTAH such as agriculture, forestry, water, energy, tourism, fisheries, as well as human health and security
- The current and potential impacts of climate hazards on marine and coastal ecosystems in TTAH

Plan Bleu's visual guidelines for the reports are:

- Margins: Top = 5 Bottom = 2 Left = 2,5 Right = 2,5
- Text font = Gill Sans Standard 9,5
- Title font = Antique Olive

The climate risk assessment will be proofread, finalised and designed by the Plan Bleu team, with inputs from SCCF project partners.

3 Work Assessment and Requirements

- Excellent working knowledge of English in written and spoken form
- Excellent knowledge of Arabic. Knowledge of French a plus.
- University degree in environment or related fields
- At least 10 years of professional experience, preferably on coastal and climate change issues
- Prior relevant professional experience in the Mediterranean region, preferably Morocco
- Prior professional experience in producing climate risk assessments, preferably in the Mediterranean (please provide examples of your work if possible)
- Familiarity with and knowledge of Integrated Coastal Zone Management and climate change adaptation in the Mediterranean region, preferably with a focus on Morocco
- Familiarity with and knowledge of the gender and climate nexus

In his/her application, the consultant should provide a preliminary description of the overarching approach/methodology that he/she intends to use for the production of the assessment.

4 Payment and Funding

The total value of this contract is \$16000, paid over several instalments over the duration of the contract. The daily fee is \$250, for a total of 64 working days from August 2021 to June 2023. Funding for these activities is secured through both GEF funding and co-financing from Plan Bleu and other executing partners of the MedProgramme. It will be paid to the consultant over several instalments over the duration of the contract according to the following schedule:

Item	Payment amount	Date
Inception of the consultancy contract	\$4000	August 2021
Completion of Deliverable 1 and validation by Plan Bleu of progress made on other ongoing deliverables	\$4000	December 2021
Completion of Deliverable 2 and validation by Plan Bleu of progress made on other ongoing deliverables	\$4000	March 2022
Completion of Deliverable 5 and finalization of the contract	\$4000	June 2022

5 Staff and equipment

The consultant will work closely with the SCCF Project Coordinator at Plan Bleu, Michael Karner (mkarner@planbleu.org).

6 Travel

Travel and accommodation costs related to this mission will be covered separately by Plan Bleu.