



## FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

### Terms of Reference for 5 years for a category B

<b>Name:</b>	
<b>Job Title:</b>	National Consultant- Climate Data and Information Gap Assessment Specialist
<b>Division/Department:</b>	FLJAM
<b>Programme/Project Number:</b>	GCP/BZE/002/GCR - Enhancing adaptation planning and increasing climate resilience in the coastal zone and fisheries sector of Belize.
<b>Duty Station:</b>	Belize
<b>Expected Start Date of Assignment:</b> August 1, 2022	<b>Duration:</b> 50 days (WAE) @ 320/day up to October 31, 2022
<b>Reports to: Name:</b> Crispim Moreira	<b>Title:</b> FAO Representative for Jamaica, Bahamas, and Belize
* Please note: If this TOR is for Consultant / PSA.SBS contract, the minimum relevant experience required <b>for the assignment</b> is as follows: 1 year for a category C;      5 years for a category B;      12 years for COF category A;      15 years PSA or COF category A (World Class Expert);	
<b>BACKGROUND, OBJECTIVES TO BE ACHIEVED AND GENERAL DESCRIPTION OF TASK(S)</b>	
<p>Belize, a small island developing state is particularly vulnerable to the impacts of climate change owing to it being a low coastal region (below high tide mark), with a rapid economic development in the coastal region and population increase. The fisheries sector and coastal zones of Belize, which contribute significantly to the national economy, in regard to food security and in providing valuable tourism opportunities, are threatened especially by sea level rise and storm surge as well as rising sea surface temperatures.</p> <p>The Government of Belize, in its NDC, identified coastal and marine resources and fisheries and aquaculture as priority areas requiring increased resilience and reduced vulnerability; however, the following barriers were identified:</p> <ul style="list-style-type: none"><li>• Need for increased capacity building, education, and awareness around adaptation planning and at various levels including community level</li><li>• Insufficient technological capacity to undertake effective research on climate modelling and risks</li><li>• Research and monitoring for high-quality scientific information including climate data</li><li>• Need for enhanced coordination in implementation of legislation and policy</li><li>• Lack of Finance to implement adaptation activities</li></ul> <p>The Government of Belize is implementing a Green Climate Fund (GCF) readiness project entitled, "Enhancing adaptation planning and increasing climate resilience in the coastal zone and fisheries sector of Belize". This project aims to set the stage for a more large-scale action to be taken to address climate change adaptation in the fisheries sector and coastal zones of Belize. This readiness project seeks to increase the resilience of the coastal zones and fisheries sector through improved climate data and information gathering, monitoring and dissemination, assessments of impacts of climate change on selected communities, mainstreaming of climate change considerations into the relevant plans and policies and strengthening of coastal and fisheries communities and organizations communication network for appropriate climate response.</p> <p>The activities under this readiness will provide important baseline information to build coastal resilience and improve adaptive capacity for fishing communities.</p> <p>Data gathered through the readiness project will be vital to develop the climate rationale for fisheries and coastal zone projects for the GCF and overall climate change projects. The data gathered will illustrate the high vulnerability of fisheries and coastal zones in Belize and the need to increase resilience to ensure the viability of the fishing industry and the livelihoods, well-being, and safety of the stakeholders relying on fisheries and coastal areas for their living.</p>	

The project is seeking a National Consultant - Climate Data and Information Gap Assessment Specialist to prepare a climate data and information gap assessment and action plan for the coastal zone and fisheries sector for climate data and information collection, processing and sharing in the coastal zone and fisheries sector for improved decision making.

#### Objectives

1. To identify key cross sectoral climate data and information gaps for the coastal zone and fisheries sector relevant to the monitoring of climate change impacts, as well as adaptation and mitigation actions.
2. To develop an action plan and data collection strategy geared towards addressing the gaps identified in the climate data and information assessment.
3. To identify relevant stakeholders and conduct consultation and validation of the climate data and information gap assessment and action plan.

#### **Task 1: Desk review, methodology, assessment outline and detailed work plan report**

- Prepare work plan outlining the activities and time frame for conducting the climate data and information gap assessment and action plan.
- Desk reviews of relevant documentation and reports.
- List the relevant stakeholders & institutions to be involved in the consultation and validation process.
- Prepare an outline of the table of contents of the climate data and information gap assessment and action plan for review, inclusive of a proposal for targeted stakeholders on how they can review and compare the information gathered across institutions.
- Indicate methodology and tools to be used to conduct the climate data and information gap assessment and action plan.

#### **Task 2. An Institutional climate data and information gap assessment and action plan endorsed by the relevant stakeholders.**

- Identification of key institutional climate data and information gaps in current data sets with respect to mitigation and adaptation actions and provide recommendation to address these at the sectoral and national levels.
- The gap assessment should include consultation with a cross-sectoral selection of stakeholders which should include representatives from government ministries, marine reserves, conservation trust, fishermen associations, fishermen cooperatives, academia, regional organizations, non-government organizations, civil society organizations, the private sector within the tourism sector or as identified and indigenous communities. It must include the National Meteorological Service of Belize, the National Hydrology Service, the Fisheries Department and the Coastal Management Authority and Institute.
- The gap analysis must include those stakeholders identified and climate data for better tracking of ecosystem health and forecasting of future climate change impacts.
- The action plan and data collection strategy should be geared towards addressing all gaps identified in the climate data and information gap assessment. The action plan should provide clear implementable actions and recommend relevant actors to implement actions. The action plan should clearly identify who would be responsible to manage, process and share the climate data and information. It is expected that the action plan will provide detailed recommendations on how to address each gap with specific timelines, assignment of responsibility, outputs and support resources.
- The action plan must clearly identify the type of data (especially marine climate data) and information to be collected for the creation or enhancement of a climate database. The consultant must take into consideration the resources available (technological equipment and financial resources). The climate data and information recommended to be collected must be user-friendly.
- The plan should incorporate those stakeholders and climate data identified for better tracking of ecosystem health and forecasting of future climate change impacts.

#### **Task 3: Stakeholder consultation for the climate data gap assessment and action plan.**

- Conduct two-one day consultations in Belize City for at least 20 persons for each - for the climate data and information gap assessment and action plan.
- Consultation and validation report.

NOTE: That the Climate Data and Information Assessment Specialist is to work in close collaboration with a firm which will be assigned to create or enhance a climate database. The consultant is to outline the recommended relevant data to be included on the database. The Climate Data and Information Assessment Specialist is to work in close collaboration with the National Communication Specialist.

#### **Qualifications and experience**

- Master's degree Statistics and Data Analysis, Climate Change, Environmental Sciences, Sustainable Development, or equivalent to climate data and information gap assessment, or a similar field from recognized and reputable institutions.
- A minimum of 5 years of relevant working experience and expertise in the sectors of focus for this assignment.
- Experience in Small Island Development States and the Caribbean.
- Proven experience with information management, data collection and analysis.
- Experience working on climate change adaptation projects is a plus.
- Proven experience preferably in developing countries in performing gap assessment and providing recommendations for data systems.

- Experience working with government institutions, as well as, civil society/private organizations, indigenous peoples, ethnic minority groups and consultants.
- Experience with project development and results-based management methodologies is highly desired.
- Excellent analytical, writing, advocacy, presentation, and communications skills are required. Excellent written and oral communication skills in English and a knowledge of Spanish are mandatory.
- Knowledge of the fisheries sector and coastal zones and use of natural resources as they relate to the effects of climate change in regard to adaptation /resilience and mitigation.

#### KEY PERFORMANCE INDICATORS

Expected Outputs:	Required Completion Date:
1. Desk review, methodology, assessment outline and detailed work plan report. Inclusive of list the relevant stakeholders & institutions to be involved in the consultation and validation process	12 days after signing contract
2. Draft climate data and information gap assessment and action plan report	35 days after signing contract
3. 2-1-day consultation for at least 20 persons for each consultation in Belize City - 1 consultation and 1 validation (Deliverable 3.2.1b)	No later than 35 after signing contract
4. 2-1-day consultation for 20 persons report	40 days after signing contract
5. Final climate data and information gap assessment and action plan report (Deliverable 3.2.1a).	48 days after signing contract

- Below is link to project document:

<https://www.greenclimate.fund/sites/default/files/document/enhancing-adaptation-planning-and-increasing-climate-resilience-coastal-zone-and-fisheries-sector.pdf>

- Interested candidates meeting the required qualifications are invited to send their application to [Jeffy.Gomez@fao.org](mailto:Jeffy.Gomez@fao.org) by July 16, 2022.