



## FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

### Terms of Reference for PSA.NAT

<b>Job Title:</b>	International Consultant - Climate Change Vulnerability and Livelihood 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>	85 days (WAE) @ 500/day up to September 30, 2022 May 02, 2022
<b>Duration:</b>	
<b>Reports to: Name:</b>	Crispim Moreira
<b>Title:</b>	FAO Representative for Jamaica, Bahamas, and Belize

#### BACKGROUND AND OBJECTIVE TO BE ACHIEVED

Belize, a small island developing state is particularly vulnerable to the impacts of climate change owing to its low coastal region (below high tide mark), the rapid economic development in the coastal region and population increase. The fisheries and coastal zones sectors of Belize, which contribute significantly to the national economy, in regard to food security and in providing valuable tourism opportunities, are threatened especially to sea level rise and storm surge as well as rising sea surface temperatures.

The Government of Belize, in its NDC, identified coastal and marine resources and fisheries and aquaculture as priority sectors requiring increased resilience and reduced vulnerability; however, the following barriers were identified:

- Need for increased capacity building, education, and awareness around adaptation planning and at various levels including community level
- Insufficient technological capacity to undertake effective research on climate modelling and risks
- Research and monitoring for high-quality scientific information including climate data
- Need for enhanced coordination in implementation of legislation and policy
- Lack of Finance to implement adaptation activities

The Government of Belize is undertaking 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 and coastal zone sectors of Belize. This readiness project seeks to increase the resilience of the coastal zone and fisheries sector through improved climate data and information gathering, monitoring and dissemination, assessments of impacts of climate change on select 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.

The activities under this readiness will provide important baseline information to build coastal resilience and improve adaptive capacity for fishing communities.

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 sector and coastal areas of 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.

The Project is Seeking a Climate Change Vulnerability and Livelihood Assessment Specialist to Conduct a Detailed Vulnerability and Livelihood Assessment for the Fisheries Sector and Coastal Zone Areas of Belize. The Participatory Vulnerability and Livelihood Assessment will be conducted for three (3) Selected Coastal Fishing Communities. The 3 Coastal Fishing Communities will be Identified by the Project Steering Committee.

#### GENERAL DESCRIPTION OF TASK(S), QUALIFICATION, EXPERIENCE AND KEY PERFORMANCE INDICATORS

##### Specific duties of the consultant include:

**Task 1: Prepare an inception report which includes a summary of the context and work plan, the scope of the analysis and detailed methodology and tools to be used for the vulnerability and livelihood assessment for fisheries sector and coastal zone areas of Belize. Including PPT presentation for stakeholders.**

- Desktop reviews of relevant documentation and reports.
- Identify issues, needs, data in regard to climate change vulnerabilities and livelihood assessment, the prevailing climate change hazards, their associated impacts on fisheries sectors and coastal zone, taking into consideration gender, youth and indigenous groups.
- Prepare a draft context, the scope of the assessment including exposure and sensitivity of coastal zone areas and fisheries sector and detailed methodology of the assessment.
- Develop and design tools and methodologies for conducting a climate change vulnerability and livelihood assessment. The outputs should include maps, tables, charts etc. etc.
- Prepare an inception report, summary, the scope of analyses, detailed methodology of the assessment including a power point presentation in English language.

NOTE: That it is recommended to use the toolkit for Vulnerability and Capacity Assessment (VCA) in Caribbean Coastal and Fishing Communities has been developed as part of the Climate Change Adaptation in the Fisheries Sector in the Eastern Caribbean Project (CC4FISH), since it provides a practical step-by-step guide for conducting VCAs in coastal and fishing communities and includes a recommended process, key steps and a suite of tools at rapid, intermediate and in-depth levels of complexity.

**Task 2: Conduct a participatory vulnerability assessment for 3 selected coastal fishing communities in the coastal zone and fisheries sector of Belize. Taking into consideration gender, youth and indigenous groups.**

- The stakeholders should include government officers, community leaders, local counterparts, farmers and fisherfolks (just to name a few) should be involved during all stages of the vulnerability assessment. During and at the end of all stages, findings and eventual results need to be analysed documented and validated with those stakeholders.
  - The approach to conduct the vulnerability assessment is bottom-up to ensure relevant information is collected and analysed at a fine scale (i.e., community level) and understand the underlying causes of vulnerability to climate change and natural hazards.
  - Conduct field visits for site observation and the use of participatory tools ideal for climate change vulnerability assessment with key informants (which can include fishers, farmers, local stakeholders, community leaders, and local government officers) and the community in general.
  - The Climate Change Vulnerability Assessment should be guided by using the below framework but not limited to using other vulnerabilities approach framework.
1. Assessing, analysing and addressing the major risks affecting communities using a participatory process that allows stakeholders to identify their own vulnerabilities, priorities and what they can do to address these issues.
  2. Assessing current vulnerability
    - a. Assess the profile of the system of interest
    - b. Assess the observed climate (exposure)
    - c. Assess the impacts of climate stimuli on the system of interest (sensitivity)
    - d. Assess the responses to climate variability and extremes (adaptive capacity)
    - e. Assess overall current vulnerability
  3. Assessing future vulnerability (timeline of future prediction to be determine by consultant and approved by stakeholders)
    - a. Assess the future climate (future exposure)
    - b. Assess the future impacts on the system of interest (sensitivity)
    - c. Assess future socio-economic scenarios (adaptive capacity)
    - d. Assess the overall future vulnerability

**Task 3: Conduct livelihood assessment for 3 coastal fishing communities in Belize taking into consideration gender, youth and indigenous groups.**

1. Assess status (current) of coastal livelihoods of fishing communities in the study area.
  - a. Collate secondary data on the environment, previous socio-economic and household studies and other research/literature to build up a background to the area. Emerging macro-economic issues identified from literature.
  - b. Through using a selection of livelihoods analysis tools build an understanding of the different assets, skills, capacities, needs and aspirations of the community.
  - c. Identify vulnerabilities and external influences (policies, institutions, organizations and processes) that affect the community.
  - d. Undertake a community environmental assessment to build up an understanding of environmental issues from the communities' perspective.
2. Analyse the findings against environmental data for the area to identify threats and opportunities for sustainable use. Analysing how people thrive and survive: sustainable coastal livelihoods framework.
  - a. Using information gained from the above, carry out an analysis of the strengths, weaknesses, opportunities and threats (SWOT) that the stakeholders face in their livelihoods. The sustainable coastal livelihoods framework provides a useful reference in terms of what to consider in the analysis. Facilitating and engaging the stakeholders themselves to undertake this analysis will lead to the identification of options more appropriate to their needs.
3. Document experiences and lessons learned from the region on implementing livelihood focused interventions (past and current).
  - a. Information can be collected through semi-structured interviews, informal meetings with relevant stakeholders and previous reports.
4. Identify appropriate interventions for short term and medium terms that contribute to livelihood enhancement.
  - a. Once the analysis has been undertaken identify the key opportunities and leverage points. It is important to gain agreement among the key stakeholders on what the desired outcome is. This may be improving returns from existing livelihood strategies, diversification of livelihood opportunities, improving the sustainable use of resources, better access to markets and so on. Important here is that a vision is developed and buy-in and ownership secured before interventions are identified.
  - b. Using the information collected and clarifying the operational context and development factors that determine what is feasible (the scope, scale, size and level of risk), modify possible entry points to ensure opportunities are maximized.
  - c. Analyse the potential viability and sustainability (social, economic, environmental, and institutional) of the identified opportunity, this may necessarily involve several interactions of the idea. Discuss findings with the community.

5. COVID 19 recovery for local communities.
  - a. Identify recommendations for COVID 19 recovery within the 3 coastal fishing communities.

**Task 4. Act as facilitator for 5 stakeholder consultation for 30 participants. Two national workshops (initial and validation) in Belize City and three workshops in three fishing communities across Belize.**

1. Prepare consultations materials (PPT, documents, surveys, and evaluation reports etc. etc.) for participants.
2. Take the key role as the facilitator for the consultations.
3. Validate report of findings from assessments and consultations for the climate change vulnerabilities and livelihood assessment.
4. Provide consultation report containing participant feedback and inputs (including list of participants).

**Note:** That consultant is to obtain support from a local indigenous expert and gender expert (16 working days) for the input of indigenous and gender aspect into the vulnerability and livelihood assessment for the coastal and fisheries sector of Belize.

**Qualifications and experience**

- Master’s degree in Social Science or equivalent to vulnerability and livelihood assessment degree, 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.
- Executed at least 2 projects related to vulnerability and livelihood assessment within the last 5 years within the Caribbean and SIDS.
- Experience working on climate change adaptation projects is a plus.
- Provent extensive international experience preferably in developing countries in vulnerability and livelihood assessment.
- 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 will be an advantage.
- Knowledge of the fisheries and coastal zone sectors and use of natural resources as it relates to the effects of climate change in regard to adaptation /resilience and mitigation.

**KEY PERFORMANCE INDICATORS**

Expected Outputs:	Required Completion Date:
1. Inception report which includes a summary of the context and work plan, the scope of the analysis and detailed methodology and tools to be used for the vulnerability and livelihood assessment for the coastal and fisheries sector of Belize. To be used as agreed by the initial scoping with key sector stakeholders in 3 communities. Including PPT presentation for stakeholders.	15 days after signing contract
2. Act as facilitator for 5 stakeholder consultation for 30 participants. Two national workshops (initial and validation) in Belize City and three workshops in three fishing communities across Belize. Prepare consultations materials (PPT, documents, surveys, and evaluation reports etc. etc.) for participants	30 days after signing contract
3. Draft vulnerability assessment for 3 selected coastal fishing communities in the coastal zone and fisheries sector of Belize. Taking into consideration gender, youth and indigenous groups. – First Draft	No later than 60 after signing contract
4. Draft livelihood assessment for the coastal livelihood of 3 coastal fishing communities in Belize. Taking into consideration gender and indigenous groups. – First Draft	60 days after signing contract
5. Consultation report containing participant feedback and inputs (including list of participants). (Deliverable 3.2.2b)	65 days after signing contract
6. Vulnerability assessment for 3 selected coastal fishing communities in the coastal zone and fisheries sector of Belize. Taking into consideration gender and indigenous groups. - Final Draft (Deliverable 3.2.2a)	70 days after signing contract
7. Livelihood assessment for the coastal livelihood of 3 coastal fishing communities in Belize. Taking into consideration gender and indigenous groups. -Final Report (Deliverable 3.2.2a)	80 days after signing contract
8. End of assignment report	5 days before the end of the consultancy

➤ 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) before April 16, 2022.