



## FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

### Terms of Reference for PSA.NAT

<b>Job Title:</b>	International Consultant - Sustainable Fisheries, Technology and Value Chain 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>	50 days (WAE) @ 500/day up to August 31, 2022 May 02, 2022
<b>Duration:</b>	50 days (WAE) @ 500/day up to August 31, 2022
<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 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.

The Project is Seeking a Sustainable Fisheries, Technology and Value chain Specialist to Identify Sustainable Fishing Practices and Technologies for the Long-Term Sustainability of Priority Fish Stock in Consultation with the Private Sector.

#### Objectives:

- 1.) To take stock of the sustainable fish value chain for priority fish species.
- 2.) To identify sustainable fishing operations, practices and technologies through stakeholder and community consultation. Identify the root causes and barriers hindering the adaptation of sustainable fishing practices and the development, deployment and diffusion of priority fishing technologies.
- 3.) Develop a sustainable fisheries practices and technology handbook.

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

### Specific duties of the consultant include:

**Task 1: Prepare a Sustainable Fishing Operations, Practices and Technologies 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. Taking into consideration gender, youths, and indigenous groups.**

- Desktop reviews of relevant documentation and reports.
- Identify sustainable fishing operations, practices, technologies and targeted value chains associated with the fisheries sector and coastal areas of Belize.
- Develop and design tools and methodologies for conducting the identification of sustainable fishing operations, practices, technology analysis and value chain.
- Prepare a sustainable fishing operations, practices and technology inception report, summary, the scope of analyses, detailed methodology including a power point presentation in English language.

**Task 2. Act as facilitator for three (3) one (1) day consultation workshop for thirty (30) participants each in three fishing communities across Belize.**

- Through the participatory approach identify the actors of the targeted value chains, sustainable fishing operations, practices and technologies.
- Prepare Power point presentation or handout relevant to the task at hand.
- Ensure the inclusion of woman, youths and indigenous groups.
- Consultations workshop report to be developed.

**Task 3: Outline the Sustainable fisheries value chain for the queen conch (*Lobatus gigas*), spiny lobster (*Panulirus argus*), lane snapper (*Lutjanus synagris - finfish*), yellowtail snapper (*Ocyurus chrysurus - finfish*) and yellow eye red snapper (*Lutjanus vivanus* – deep slope finfish species).**

- Identifying the actors involved along the targeted value chains; and the formal and informal institutions, supporting functions and rules and regulations with regard to the fisheries sector of Belize.
- Identifying the processes and full ranges of activities for each value chain comprises, and how the actors relate to each other.
- Analysing how value is distributed among the tiers of production but also, if possible, within tiers, i.e., between owners, management and workers at a given tier.
- Present value chain report and infographics for each specie.

**Task 4: Identify the sustainable fishing operations, practices and technology for the queen conch (*Lobatus gigas*), spiny lobster (*Panulirus argus*), lane snapper (*Lutjanus synagris - finfish*), yellowtail snapper (*Ocyurus chrysurus - finfish*) and yellow eye red snapper (*Lutjanus vivanus* – deep slope finfish species).**

- Identify the harmful fishing practices, root causes and barrier hindering adoption of sustainable fishing operations, practices and technological deficiencies.
- Analyse the market and barriers for development, deployment and diffusion of sustainable fishing operations, practices and prioritize technology.
- Identify measures to overcome barriers.
- Identify sustainable fishing operations, practices and technology for adaptation in the fisheries sector.
- The proposed technologies should also be presented in a technological factsheet format.
- Assess the technical, financial and economic, institutional, environmental and socio-cultural feasibility for the proposed sustainable fishing operations, practices and technologies.
- Act as facilitator for one (1) one (1) day consultation workshop for thirty (30) participants. To validate the sustainable fishing operations, practices and technologies in Belize City.

**Task 5: Develop a sustainable fishing operations, practices and technology handbook for the fisheries sector of Belize.**

- Develop handbook incorporating the sustainable fishing operations, practices and technology.
- Handbook should be written in English and approved by the stakeholders.
- The handbook should incorporate the aspect of gender, youths and indigenous groups.

### Qualifications and experience

- Master's degree in Social Science or sustainable fisheries, technology and value chain, 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.
- Proven extensive international experience preferably in developing countries in designing value chain and identifying sustainable fisheries practices and technologies.
- Experience working on climate change adaptation projects is a plus.
- 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.
- Good working knowledge on how to design and develop handbooks.

#### KEY PERFORMANCE INDICATORS

Expected Outputs:	Required Completion Date:
1. Prepare a Sustainable Fishing Operations, Practices and Technologies 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. Taking into consideration gender, youths, and indigenous groups.	7 days after signing contract
2. Value Chain Report and Infographics.	18 days after signing contract
3. Sustainable Fishing Operation, Practices and Technologies Report - Draft	25 days after signing contract
4. Sustainable Fishing Operations, Practices and Technologies Handbook - Draft	35 days after signing contract
5. Act as facilitator for 4 four (1 day) consultation workshop for 30 participants. One for validation in Belize City and three workshops in three fishing communities across Belize.	No later than 40 after signing contract
6. Sustainable Fishing Operations, Practices and Technologies Report – Final (Deliverable 3.2.3a)	40 days after signing contract
7. Consultation Workshops Report (Deliverable 3.2.3b)	42 days after signing contract
8. Sustainable Fishing Operations, Practices and Technologies Handbook - Final	48 days after signing contract
9. End of assignment report	2 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.