

BE-CLME+ Project: Promoting National Blue Economy Priorities Through Marine Spatial Planning in the Caribbean Large Marine Ecosystem Plus (GEF Project ID 10211)

Terms of Reference for a National Consultancy to Conduct Data Gap and Needs Assessments for the Fisheries Sector to Inform MSP in Barbados

1.0 Background & Justification.

1.1 The BE-CLME+ Project is a regional initiative aimed at promoting blue economy development in the Caribbean region through Marine Spatial Planning (MSP) and Marine Protected Areas (MPAs), Ecosystem Approach to Fisheries (EAF), development of climate-smart sustainable fisheries value chains, and knowledge management in Barbados, Belize, Guyana, Jamaica, Saint Lucia, and Panama. The Caribbean Regional Fisheries Mechanism (CRFM) is the Executing Agency for the project, while the Development Bank of Latin America and the Caribbean (CAF) and the Food and Agriculture Organization (FAO) of the United Nations are the Global Environment Facility (GEF) Co-Implementing Agencies.

1.2 The 2023-2024 BE: CLME+ Project Workplan & Budget was approved by the Regional Steering Committee on 29th September 2023, and calls for a national consultancy to conduct data gap and needs assessments to inform MSP interventions in the country.

1.3 The Government of Barbados signed an agreement in September 2022 with the Inter-American Development Bank and The Nature Conservancy for a “blue bond” debt conversion. This agreement will enable the country to reduce its debt and increase its investment in marine conservation. One important component of this agreement is the preparation, approval and implementation of a marine spatial plan (MSP) for the sustainable management of the marine and coastal ecosystems.

The Coastal Zone Management Unit (CZMU) has been designated as the lead agency responsible for the execution of the MSP with funding from the Barbados Environmental Sustainability Fund. A Marine Spatial Plan Project Unit, a project unit within the CZMU will undertake the tasks and activities for the MSP process with the support of specialists and consultants where required.

The Coastal Zone Management Unit (CZMU) launched the Marine Spatial Planning process on Wednesday January 18th 2023 at the Hilton Barbados Resort, Aquatic Gap, St. Michael. This planning process will lay the groundwork for the management of Barbados’ ocean space (Territorial Sea and Exclusive Economic Zone (EEZ)), with technical and financial assistance from the Inter-American Development Bank (IDB) and The Nature Conservancy (TNC).

This MSP Process builds upon Barbados’ long-time work on marine ecosystems and environmental governance. It is also part of Barbados’ commitments under the debt conversion for nature transaction that the Caribbean country signed in September 2022, backed by a US\$150 million guarantee from the IDB and The Nature Conservancy (TNC).

2.0 Objective of the Consultancy.

The process of Marine Spatial Planning (MSP) requires the collection of spatial data and information related to a variety of issues and processes and data forms the backbone of any decision-making and planning process. Data for MSP provides an overview of spatial distribution of human activities, marine ecosystems, and hotspots, identifies conflicts and shared space opportunities, and allows spatial exploration of future economic and climate scenarios.

The objective of this consultancy is to comprehensively assess data availability, data gaps specifically related to the fisheries sector, and an assessment of needs to inform MSP in Barbados. Several countries in the Caribbean have ongoing MSP and Blue Economy development processes, and as such, these assessments shall make every effort to build on and complement ongoing BE processes in Barbados.

3.0 Key Activities will include, but not be limited to those listed below.

3.1 Assess the status of MSP processes in Barbados and the types and sources of data being used to inform MSP.

3.2 Currently underway is assessment of spatial and temporal data needs to include *inter alia*, pollution and habitat degradation linked to economic sectors active in the coastal zone as well as anthropogenic sources, geographic/physical, biologic, economic, social (including a prioritization of gender and other marginalized groups), physical and ecological patterns and processes, relative ecological importance of areas, ecosystem services, vulnerability and resilience, economic activities, benefits and impacts, distribution among current and emerging uses of the blue space, existing management measures, and future needs of existing or proposed uses of the blue space. This consultancy will focus on sessions with fisheries and aquaculture stakeholders to conduct a use survey to map the areas such as aquaculture farms, fishing grounds for different species, nursery areas, spawning aggregations sites, FAD and landing site locations. Shapefiles can be created and overlaid with existing benthic habitat layers and bathymetry.

3.3 Assess availability and needs of relevant spatial and temporal data not covered in Section 3.2 of importance to inform national BE strategies.

3.4 Consult with the MSP authorities in Barbados to confirm data and other needs not addressed in this TORs that may be necessary to inform MSP in the country. Also, understanding the terms to access data from data producers and sources, including an assessment of barriers to access data.

3.5 Recommend data sources, acquisition costs (where applicable), and collection methods to address data needs identified. Such recommendations should be feasible and achievable considering the country's context. Also, the Consultant is expected to produce the shape files consistent with CZMU methodology.

3.6 Identify capacity needs for data analysis and interpretation to inform MSP.

3.7 Consult with the CRFM/PMU and be informed of the Environmental and Social Safeguards (ESS) triggered by the BE: CLME+ Project and identify what data is needed to ensure MSP in Barbados complies with ESS triggered by the project.

3.8 In coordination with the CRFM/PMU, organize and convene a virtual national workshop to present the results of the Data Gap and Needs Assessments to Inform MSP and to discuss synergies with other national and regional activities and projects.

3.9 Develop at least one (1) communication and visibility material on the Data Gap and Needs Assessments to Inform MSP conducted for Barbados. These materials will be submitted to the CRFM/PMU for review, vetting of content, and onward communication via the CRFM's Knowledge Management and Information System and broader regional network.

4.0 Expected Outcomes and Deliverables.

4.1 The consultant(s) are expected to deliver the following products:

Product 1: Inception Report detailing activities, milestones, timeline, and a robust methodology to carry out the assignment.

Product 2: Draft Report – Data Gap and Needs Assessments to Inform MSP in Barbados.

Product 3: Final Report - Data Gap and Needs Assessments to Inform MSP in Barbados and virtual national workshop to present the results of the Data Gap and Needs Assessments to Inform MSP.

Product 4: Materials consistent with Section 6.0 of these Terms of Reference.

5.0 Project Schedule and Milestones.

Deliverable	Date	Payments
Product 1: Inception Report detailing activities, milestones, timeline, and a robust methodology to carry out the assignment.	7 days after contract signature	10% of contract value
Product 2: Draft Report – Fisheries Data Gap and Needs Assessments to Inform MSP in Barbados.	2.5 months after contract signature	40% of contract value
Product 3: Final Report - Data Gap and Needs Assessments to Inform MSP in Barbados and virtual national workshop to present the results of the Data Gap and Needs Assessments to Inform MSP.	4.0 months after contract signature	50% of contract value
Product 4: Materials consistent with Section 6.0 of Terms of Reference (including Shapefiles)		

6.0 Reporting Requirements.

6.1 The consultant will present the deliverables following the schedule established in section 5 of these terms of reference. The deliverables must include reports in Word, PowerPoint presentations, and other documents used as the basis of the analysis (including other formats such as Excel spreadsheets, etc. as applicable) and a folder with the list of bibliographic references used to develop the analysis. All materials must be delivered in English and in Spanish, in the case of materials used to for assessments in Panama. Products 2 and 3 must be delivered in both English and Spanish. All reports, studies, plans, drawings,

source code, technical data, specifications, and any other material prepared by or worked upon by the consultant exclusively for the CRFM under this Agreement are the sole and exclusive property of the CRFM and as such the CRFM has exclusive title, rights, and interest in all such material including the right of dissemination, reproduction, and publication. The consultant will also work closely with the Regional Project Coordinator and the Seafood Value Chain Specialist of the BE: CLME+ Project on the assignment.

7.0 Acceptance Criteria.

7.1 Payments will be authorized once the CRFM accepts the products specified by the TOR. The CRFM will have up to three weeks to provide written comments/recommendations to the consultant(s) reports. Unless previously determined, the CRFM will generally accept the deliverables once the consultant or consulting firm confirms the following: (i) receipt and additional inclusion of comments/recommendations in a revised version and (ii) provision of date for presentation of the revised versions of the submitted deliverables. The consultant(s) are expected to include these comments two weeks after receipt.

8.0 Consultant's Effort and Required Skills

8.1 This consultancy has been estimated to require a maximum of 35 Consultant Days.

8.2 Applicants should meet the following requirements:

- Master's Degree in Marine Management, Fisheries Science, Natural Resource Management, Coastal Zone Management, or Marine Science.
- Training in Marine Spatial Planning and/or Blue Economy and Geographic Information Systems will be a distinctive asset.
- Minimum of 7 years' experience working as a technical expert in one of the marine fields listed above.
- Work experience in any or all the project countries.
- Experience in the elaboration of MPA management plans, CZM plans, or MSPs will be extremely valuable.
- Ability to work with senior government officials, non-governmental organizations (NGOs), and local communities.
- Experience working with resource users across multiple sectors, especially in the fisheries, protected areas, tourism, and maritime transport, etc.
- A good understanding of biodiversity, Marine Protected Areas, Climate Change, Marine Spatial Planning.

9.0 Application and Selection Procedure.

9.1 Interested consultants are invited to submit their Curriculum Vitae (CV), a declaration of availability, and a declaration of no conflict of interest.

9.2 CVs will be evaluated against the criteria described in Section 8.2 and contracting will be subject to a successful price negotiation with the selected consultant.

9.3 Interested consultants should submit their Application Cover Letter outlining why they believe they are best suited for this assignment and CV in PDF format by 25th December 2023 to secretariat@crfm.int and delmar.lanza@crfm.int.