TERMS OF REFERENCE
Trade Off and Cost Benefit Modelling Specialist
“Strengthening the foundation for a climate responsive agricultural sector in the Caribbean”

1. Background:

The GCF- Readiness Project titled “Strengthening the foundation for a climate responsive agricultural sector in the Caribbean” (GCF CARICOM AgREADY, in short) is funded through a Grant Agreement with the Green Climate Fund (GCF) with The Bahamas - The Ministry of Environment and Housing as the lead National Designated Authority (NDA) and the Inter-American Institute of Cooperation on Agriculture (IICA) as the delivery partner.

The AgREADY project seeks to raise the profile of the agricultural sector in GCF’s climate financing prioritization processes by implementing an evidence-based and inter-sectoral strategy for developing and rebranding Caribbean agriculture as “low-emissions”, to enhance market opportunities and attract private sector investments. The project logic is premised on a vision of developing “A Climate responsive agricultural sector in the Caribbean that supports food security, livelihoods and uses natural resources sustainably” by addressing barriers of ineffective mechanisms and engagement with agricultural experts and stakeholders in GCF climate programming processes, policy gaps, and limited or fragmented data/information to inform climate risks planning, programming, and action in the sector.

The IICA-GCF Readiness Project targets nine countries (The Bahamas, Belize, Dominica, Haiti, St. Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Suriname, and Trinidad and Tobago) in the CARICOM sub-region, with specific objectives and activities related to:

- To improve the enabling conditions to design, implement and evaluate options for enhanced climate action in the agricultural sector by strengthening policies, capacities, frameworks, methods and institutional arrangements for the collection, monitoring, measuring, reporting, verifying (MRV) and analyzing agricultural and associated activity data from the sector.
- To increase the number of projects identified for development and investment in a pipeline of evidenced-based and bankable projects aligned with regional and national priorities as informed by climate risk assessments of the agriculture sector.
- To disseminate best practices for institutional capacity building, coordination, and pipeline development of more robust proposals for building climate-resilience along prioritized agricultural value chains, with a focus on cultivating the innovative capacity of the region’s youth.
2. **Objective of the consultancy:**

The overall objective of this consultancy is to develop science-based information on the co-benefits of agricultural adaptation & mitigation actions in countries’ NDCs, and demonstrate a stakeholder-driven, multi-disciplinary methodology to assess climate change impacts on multiple-dimensions in at least one representative farming system in the region. This approach and the improved capacity of local scientists and stakeholders will contribute to the GST and NDC revision processes.

3. **Minimum Qualifications and Requirements***:

1. Graduate degree, preferably PhD, in agricultural or environmental economics with significant experience working on integrated assessments with focus on economic analysis using foresight and economic modelling tools related to agriculture and the environment
2. 10+ years at developing and implementing stakeholder driven multi-disciplinary assessments that identify designed to support decision making, especially co-benefits and trade-offs of different technologies on multiple development goals.
3. Experience with capacity development and technical backstopping processes in developing countries to develop and implement ex ante and ex post economic analyses that support decision making
4. Ability to communicate difficult concepts into accessible language to facilitate understanding and adoption of results by decision makers
5. Excellent written and oral communication skills in English; ability to communicate in French a plus.
6. Excellent team player with good communication and interpersonal skills.
7. Ability to manage workload with minimum supervision
8. Display cultural, gender, religion, nationality sensitivity and adaptability

*Teams that wish to apply must ensure these qualifications are met by the team as a whole

4. **Description of Duties:**

The Trade-off Consultant will provide consulting services at the regional and national level, under the direct supervision of the Project Manager.

5. **Activities / Products:**

1. Estimate the agriculture co-benefits, trade-offs and synergies - for adaptation and mitigation actions in current NDCs for Caribbean SIDS in a representative farming system for the region
2. Contextualize and implement a virtual training program to improve local capacities in target countries to implement economic analysis to assess trade-offs and co-benefits of agricultural systems.
3. Develop short videos targeted towards decision makers to enhance understanding of the potential of this type of analysis and tools and how results can be applied and used to inform decision making for inclusion in a virtual course
4. Give talks during dissemination events (virtual) targeted at policy makers and the general public
5. Compile relevant documents, projects, policies, studies, programs for inclusion in agriculture and climate change portal
6. Provide ideas for project pipeline and contribute to the development of the two full multi-country proposals

6. **Contract Period:**
   The Consultant will be hired for a working period of 130 working days in total, or until the specific assignments for the required services are completed, whichever is sooner. This is a consultancy, and the contract will begin once the contract is formalized and signed by all parties.

7. **Payment:**
The Consultant will be paid upon submission of deliverables as outlined in the Payment Schedule (Section 7.1)

   a) **Source of Funding:** GCF Readiness Project
   b) **Payment currency:** USD
   c) **Payment method:** 15% sign on fee and payments upon deliverables (See payment schedule)
   d) **Consultancy total:** $71,500

7.1 **Payment schedule with deliverable:**

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>DELIVERABLE</th>
<th>PAYMENT</th>
<th>DUE DATE FOR DELIVERABLES</th>
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<tbody>
<tr>
<td>Sign on/Initiation</td>
<td>Detailed workplan and strategy for implementation</td>
<td>15%</td>
<td>August 16th, 2021</td>
</tr>
<tr>
<td>2.2.1.2</td>
<td>Case study report on the estimation of NDC co-benefits of agriculture actions (mitigation and adaptation) in the Caribbean. Includes</td>
<td>35%</td>
<td>May 30, 2022</td>
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The analysis will provide science-based information on the co-benefits of agricultural adaptation & mitigation actions in countries’ NDCs and demonstrate a stakeholder-driven multi-disciplinary methodology to assess climate change impacts on multiple-dimensions.

| 1.3.2.2 | Consultant will contribute to a regional virtual training program on multi-dimensional trade-off and co-benefit analysis for climate change measures in the Caribbean agriculture sector. This training is based on the analysis, methods and tools used in Activity 2.2.1.2. to estimate potential co-benefits and trade-offs using an AgMIP workflow. Pre and Post survey with participants to measure impact Training report |
| Collation of relevant documents, projects, policies, studies, programs for inclusion in agriculture and climate change. Provide ideas for project pipeline | Folder with all documents organized and titled using guidance provided. Strengthened project pipeline | 10% | July 29th, 2022 |
| | | 30% | December 30th, 2021 |
Develop short videos targeted towards decision makers to enhance understanding of the potential of this type of analysis and tools and how results can be applied and used to inform decision making for inclusion in a virtual course.

Give talks during dissemination events (virtual) targeted at policy makers and the general public.

Contribute to the development of the two full multi-country proposals.

At least two short videos for virtual course (1 on tool/methods and 1 on findings and lessons learned in the region).

Presentations and participation in 9 national and at least 2 regional workshops.

Contributions to two full size GCF proposals.

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<tr>
<th>Task</th>
<th>Deliverable</th>
<th>Percentage</th>
<th>Deadline</th>
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<tbody>
<tr>
<td>Develop short videos</td>
<td>At least two short videos for virtual course</td>
<td>10%</td>
<td>November 15, 2022</td>
</tr>
<tr>
<td>Give talks during dissemination events</td>
<td>Presentations and participation in 9 national and at least 2 regional workshops</td>
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<tr>
<td>Contribute to the development of the two full multi-country proposals</td>
<td>Contributions to two full size GCF proposals</td>
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8. **Unit responsible for monitoring:**
   Climate Change, Natural Resources and Management of Production Risks Program.

9. **Position of the officer responsible for monitoring:**
   1. Shalini Maharaj, Project Manager, AgREADY GCF Project

   The consultant will also accountable to:

   2. Chaney St. Martin, International Specialist in Water and Soil Management, IICA Delegation in Trinidad y Tobago; and

   3. Kelly Witkowski, Manager-Climate Change and Natural Resource Program, Directorate of Technical Cooperation
10. Travel:
Any travel required will be defined together with the consultancy supervisor, with costs covered by the Project/IICA.

11. Submission:
The interest in the consultancy must be submitted by end of business until 16:30 hours (Atlantic Standard Time) on August 1st, 2021. Proposals should be submitted electronically to: Caribbean.AgReady@iica.int.

The files submitted should include: a) curriculum vitae; b) a technical and financial proposal and

-----------------------------Last line of the Terms of Reference-----------------------------