

Guidelines:

- This Request Submission Form should be completed by the organisation requesting technical assistance from the Climate Technology Centre & Network (CTCN) in collaboration with the National Designated Entity (NDE) of the country in question
- The Form must be signed by the NDE. Please see updated contact list of NDEs here: <http://unfccc.int/ttclear/support/national-designated-entity.html>
- The Form can be submitted as a Word file containing a digital signature or as a signed and scanned PDF file in combination with an un-signed Word file
- For requests submitted by multiple countries, all the NDEs of the respective countries shall sign identical Forms before official submission to the CTCN
- NDEs have the opportunity to submit CTCN requests in collaboration with National Designated Authorities (NDAs) for the Green Climate Fund (GCF) if targeting the GCF Readiness Programme.

Requesting country or countries:	Belize
Request title:	Technical Assistance for the update and review of Belize's Nationally Determined Contributions (NDC)
NDE	<p>Lennox Gladden (PhD) Chief Climate Change Officer National Climate Change Office Ministry of Agriculture, Fisheries, Forestry, the Environment, Sustainable Development and Immigration Market Square, Belmopan, Belize Email address: coord.cc@environment.gov.bz Phone number: (501)828-5962</p>
Request Applicant:	<p>Percival Cho (PhD) Chief Executive Officer Ministry of Agriculture, Fisheries, Forestry, the Environment, Sustainable Development and Immigration Market Square, Belmopan, Belize Email address: ceo@environment.gov.bz Phone number: (501)828-5977</p>

Climate objective:

- Adaptation to climate change
- Mitigation of climate change

Combination of adaptation and mitigation of climate change

Geographical scope:

- Community level
 Sub-national
 National
 Multi-country

If the request is at a sub-national or multi-country level, please describe specific geographical areas (provinces, states, countries, regions, etc.).

Problem statement related to climate change (up to one page):

Although the country of Belize is not a big emitter of greenhouse gases (GHG), the nation is committed to pursuing all possible efforts in order to reduce national GHG emissions and adapt to the impacts of climate change. This is reflected in Belize's submission of its Nationally Determined Contributions (NDC) to the UNFCCC. As stated in the NDC, "Belize is committed to achieving the ultimate objective of the Convention and supports the even more ambitious target of limiting the increase in global average temperature to 1.5°C, compared to pre-industrial levels."

However, as a small island developing state, Belize has limited capacity to mitigate and adapt to climate change; as well as limited technical capacity in planning for climate change. Although the NDC was developed in accordance with relevant policies and strategies, it is lacking in terms of data resources, analysis and budgeting. For the current NDC, limited resources were allocated to its development; technical support and expertise in key areas and financial assistance was lacking. Due to the lack of resources, stakeholder consultations in the initial development of the INDC and NDC was very limited.

Thus, the mitigation section of the document lacks clarity relating to the activities to be implemented, the description of those activities, objectives and anticipated emissions reductions. With respect to the adaptation section of the NDC, there is also need for more clarity, in terms of detail and accuracy relating to activities to be implemented by the various sectors. In its entirety, the document does not give much information relating to the cost of actions, the responsible entity for implementing these actions and the timeline for implementation. These shortcomings have limited, to a significant degree, the ability of sector representatives to implement parts of the NDC.

Technical assistance from CTCN will aid in updating Belize's NDC in order to make it clearer, more detailed, ambitious, practical and implementable. An update of the NDC could lead to more ambitious targets, more thorough engagement of stakeholders, collection of better data and more robust analysis.

Past and on-going efforts to address the problem (up to half a page):

The Government of Belize has taken great strides to address climate change and to meet its obligations under the UNFCCC. Through the Ministry of Agriculture, Fisheries, Forestry, the Environment and Sustainable Development a National Climate Change Policy, Strategy and Action Plan (NCCPSAP) was developed to address the vulnerabilities to climate change of key productive sectors and the impacts it may have on the sustainable development of the country. The NCCPSAP and NDC both highlight the need for mitigation and adaptation to climate change. The Government of Belize (GOB) has also

formally established the National Climate Change Office (NCCO) within the Ministry of Agriculture, Fisheries, Forestry, the Environment and Sustainable Development, as well as the Belize National Climate Change Committee (BNCCC) and its technical and finance sub-committees. The BNCCC provides a framework for the NCCO to work across line Ministries for the implementation of the National Climate Change Policy, Strategy and Action Plan (NCCPSAP) and implementation of Belize's NDCs.

The Fourth National Communication and Biennial Update Report (FNC/BUR) Project is currently being executed by the NCCO. The project will lead to the strengthening of the national institutional framework for National Communication / Biennial Update Report preparation, including the formalisation of information collection systems and communication coordination; the updating of the GHG inventory and improvement of the GHG inventory system; the execution of impact/vulnerability assessments; the implementation and review of adaptation pilots as part of the national development priorities in line with the sustainable development principles outlined in Belize's Growth and Sustainable Development Strategy; and the execution of mitigation potential studies in the main economic and GHG emitting sectors.

The NCCO is also implementing the REDD+ readiness project. This project will have direct benefits to Belize's NDC by analysing the direct and indirect causes of deforestation and forest degradation in Belize, assess land tenure, natural resource rights and land use patterns. The project is a vehicle for achieving the goals and objectives of sustainable land use management and sustainable forest management, which is integral to achieving the goals of the Belize's first NDC regarding the forest sector. As we go forward, REDD+ implementation in Belize will be key to developing and implementing updated and more ambitious NDCs.

Specific technology¹ barriers (up to one page):

As a nation, Belize has made great strides in mitigating and adapting to the climate change with the limited resources available. Belize's NDC is guided by its commitment to strategically transition to low carbon development while strengthening its resilience to the effects of climate change. However, several barriers exist in terms of updating the NDC, enhancing the commitments made and in terms of implementation of the NDC.

There is limited knowledge in many sectors on accessing sources of funding for climate actions, thus NDC implementation can be difficult. There is a need to build capacity for technical personnel in the public and private sector to be able to develop project concepts and proposals to access finance for adaptation and mitigation activities/projects. Technical assistance from CTCN will aid in increasing knowledge and skills in terms of climate finance and access to funding through workshops or trainings.

Although several policy frameworks have been developed over the last decade which respond to climate change impacts, such as the National Energy Policy Framework, Horizon 2030 etc., there is not a clear link between these and Belize's NDC. So, despite the presence of these legal instruments there is no effective way to ensure implementation of the actions committed to in the NDC. Therefore, improvement in the institutional arrangements for implementation of the NDC, integration into

¹ *"any equipment, techniques, practical knowledge and skills needed for reducing greenhouse gas emissions and adapting to climate change"* (Special Report on Technology Transfer, IPCC, 2000)

development planning and policies and an implementation and finance plan will help overcome this barrier.

There is also a lack of reliable data and information to properly plan for climate change. Thus, there is a need for increased research and monitoring related to climate change adaptation and mitigation, as well as climate finance. However, there are limited human resources and finances to carry out the necessary research. Therefore, new and innovative ways, approaches and partnerships can be established to help overcome this barrier.

Through technical assistance from CTCN it is expected that the above stated barriers and others will be addressed for NDC enhancement.

Sectors:

Please indicate the main sectors related to the request:

- | | | | |
|--|---|--|--|
| <input checked="" type="checkbox"/> Coastal zones | <input type="checkbox"/> Early Warning and Environmental Assessment | <input checked="" type="checkbox"/> Human Health | <input type="checkbox"/> Infrastructure and Urban planning |
| <input checked="" type="checkbox"/> Marine and Fisheries | <input checked="" type="checkbox"/> Water | <input checked="" type="checkbox"/> Agriculture | <input type="checkbox"/> Carbon fixation |
| <input checked="" type="checkbox"/> Energy Efficiency | <input checked="" type="checkbox"/> Forestry | <input type="checkbox"/> Industry | <input checked="" type="checkbox"/> Renewable energy |
| <input checked="" type="checkbox"/> Transport | <input checked="" type="checkbox"/> Waste management | | |

Please add other relevant sectors: Finance and Economic development

Cross-sectoral enablers and approaches:

Please indicate the main cross-sectoral enablers and approaches

- | | | | |
|---|---|---|--|
| <input checked="" type="checkbox"/> Communication and awareness | <input checked="" type="checkbox"/> Economics and financial decision-making | <input checked="" type="checkbox"/> Governance and planning | <input type="checkbox"/> Community based |
| <input type="checkbox"/> Disaster risk reduction | <input checked="" type="checkbox"/> Ecosystems and biodiversity | <input checked="" type="checkbox"/> Gender | |

Technical assistance requested (up to one page):

The overall objective of this request is to receive assistance from CTCN for the enhancement of Belize's current NDC, through its update and revision and by raising ambition in mitigation and adaptation. The assistance will also aid in fast-tracking implementation of NDCs by accessing in-country technical expertise and capacity building.

Anticipated activities to be carried out through the technical assistance include:

- Strengthening or adding new sectoral target(s) and new GHG target(s)

- Closer alignment with long term development plans and policies
- Addressing information gaps and barriers for more robust analysis
- More information on trends, impacts and vulnerabilities for adaptation
- Improved budget and costing of activities and actions
- Mainstreaming gender-sensitive approaches
- Support for the development of an NDC implementation and financing plan
- Capacity building workshops to increase knowledge of climate finance, planning, coordination and implementation of climate change actions

It is expected that an updated and enhanced NDC will be developed and will contain clearer, more detailed, ambitious, practical and implementable targets. The updated NDC will contain unambiguous activities that are precise and sufficiently detailed in their description, objectives, anticipated emission reductions, costs and timelines in order to give a clear signal to sector agencies and various organisations of what is to be expected with regards to implementation of mitigation and adaptation activities. This will aid in increasing clarity, transparency and understanding of Belize's NDC.

The updated NDC will also be enhanced with the addition or strengthening of sectoral targets, as well as strengthening or addition of GHG targets. It will also show a clear distinction between its conditional and unconditional actions in this regard. The updated NDC will also aid in combating the impacts of climate change by including gender responsive actions, facilitating the engagement of men and women, equally, in the development and implementation of the NDC. This will help overcome the gender-differentiated impacts caused by climate change in terms of health, food security, livelihoods, human mobility and others. It will also take into consideration the different interests, needs and adaptive capacities of women and men to climate change.

Through more thorough engagement of stakeholders, it can be ensured that civil society, indigenous groups, businesses, NGOs, government agencies and other entities have equal opportunity to influence the NDC, which would lead to more buy-in and ownership of the NDC, increasing implementation opportunities, as well as identifying more opportunities for abatement. Closer engagement with stakeholders will also ensure that the latest data and information available is added to ensure better analysis. Stakeholders will be able to aid in providing the basic information necessary for clarity, transparency and to ensure understanding. Through this a more robust transparency system can be developed to ensure trust and collaboration among stakeholders.

CTCN's support will aid in filling in gaps and ensuring that targets, actions and measures in the NDC reflect the latest thinking, data and information available, new sectoral opportunities and increased potential for adaptation and mitigation.

Expected timeframe:

Please indicate the expected duration period for the requested technical assistance. Please note CTCN technical assistance is limited to a maximum duration of 12 months.
The expected duration for the technical assistance is **6 months**.

Anticipated gender and other co-benefits from the technical assistance:

Updating of the NDC will include a gender-sensitive approach, this will ensure equal opportunities and representation of both men and women. This is a critical part of the assistance as women often face higher risks and burdens from the impacts of climate change than men in situation of poverty. Gender equality and inclusion will be at the core of the updated NDC.

Gender responsiveness will be ensured by involving men's groups, women's groups and civil society organisations focused on gender equality during the stakeholder engagement process and also include them in the institutional arrangements to support the implementation of NDCs and climate actions. Assistance will also be needed to determine the level to which gender roles and equality are considered in national sector plans and climate change policies/strategies through an assessment or study. The results of the analysis can then be used to inform the development of specific gender sensitive activities, commitments and corresponding indicators, as well as the budgeting processes to ensure that adequate resources are secured.

Specifically, gender equality can be ensured by actively integrating women and men into the development of the NDC through consultations, as well as in the decision-making throughout the process. There will also be equal inclusion of men and women in capacity building and training activities.

By equally integrating both genders it can be ensured that their local knowledge is incorporated, given that genders have traditionally played different roles they may have different information. It will also result in greater responsiveness to the communities and citizens' needs, thus increasing cooperation. Involving more women will ensure that social benefits are incorporated into the NDC, as gaps will be minimized and differentiated needs and interest will be met, increasing the adaptive capacity of all involved.

Key stakeholders:

Please list the stakeholders who will be involved in the implementation of the requested CTCN technical assistance and describe their role during the implementation (for example, government agencies and ministries, academic institutions and universities, private sector, community organizations, civil society, etc.).

Stakeholders	Role to support the implementation of the technical assistance
National Climate Change Office	Oversight of NDC development, planning, coordination of all activities, NCCO staff support, logistical assistance
Ministry of Agriculture, Fisheries, Forestry, the Environment, Sustainable Development and Immigration	Oversight and direction of activities, ensure that the NDC has widespread government support
National Women's Commission	Technical assistance and expertise provided on gender, provision of information and resources
Sustainable Development Unit	Technical assistance, SDG alignment, provision of information and resources
Public and private sector, NGOs, CBOs, Educational and research institutions, relevant government sectors	Technical assistance where necessary, participation in all stakeholder consultations, development of NDC actions, provision of information and resources

Alignment with national priorities (up to 2000 characters including spaces):

Please describe how the technical assistance is consistent with national climate priorities such as: Nationally Determined Contribution, national development plans, poverty reduction plans, technology

needs assessments, Low Emission Development Strategies, Nationally Appropriate Mitigation Actions, Technology Action Plans, National Adaptation Plans, sectorial strategies and plans, etc.

Reference document (please include date of document)	Extract (please include chapter, page number, etc.).
Nationally Determined Contribution (NDC), 2016	Directly aligned to entire NDC, looking at mitigation and adaptation actions, as the technical assistance will aid in updating and enhancement of Belize's NDC. It states that "Belize's mitigation potential is framed on an action-based approach, covering multiple sectors (forestry, energy, waste, transport) that is conditional on availability of cost-effective technology, capacity building and adequate financial support." (Pg. 3, Section 3, Mitigation) It also states that "the Government of Belize considers adaptation to climate change as a high priority." (Pg. 9, Section 4, Adaptation)
Technology Needs Assessment – Mitigation, 2017	The TNA – mitigation looks at addressing technology barriers and gaps in key sectors with mitigation potential that are included in Belize's NDC.
Technology Needs Assessment – Adaptation, 2017	The TNA – adaptation looks at key sectors in CCA which are also addressed in Belize's NDC, and addresses technology barriers and gaps for implementation of adaptation actions.
National Climate Change Policy, Strategy and Action Plan	One of the main objectives of the NCCPSAP is to: integrate climate change adaptation and mitigation into key national development, plans, strategies and budgeting. This, as well as its other objectives, are in line with the development and implementation of the NDC. (Chapter 5, Section 5.4, Pg. 74)
National Gender Policy, revised 2013	This policy is the guiding principles for gender issues in Belize and its overarching goal is "to advance the achievement of de jure and de facto gender equality and equity in Belize." (Section 6.0, Pg., 12) Although this policy does not make mention of Belize's NDC, it is intrinsically linked to ensuring gender-responsive climate action.
Growth and Sustainable Development Strategy, 2016-2019	This is the nation's primary planning document and provides detailed guidance on priorities and actions. It adopts an integrated, systematic approach and encompasses medium-term economic development, poverty reduction and longer-term sustainable development issues. It also helps to increase Belize's resilience to climate change and outlines four critical success factors, under which CSF 3, necessary condition 3.1.3 looks at Disaster Risk Management and Climate Change Resilience. (Chapter IV, Pg. 65)

Development of the request (up to 2000 characters including spaces):

The request for technical assistance for updating of the NDC was developed by the National Climate Change Office (NCCO), under the **Ministry of Agriculture, Fisheries, Forestry, the Environment, Sustainable Development**, and Immigration. The process was initiated by the NCCO and CTCN focal point, after which it underwent an internal review by the Office for submission to CTCN.

Background documents and other information relevant for the request:

- Please list all relevant documents that will help the CTCN analyse the context of the request and national priorities. Please note that all documents listed/provided should be mentioned in this request in the relevant section(s), and that their linkages with the request should be clearly indicated. For each document, please provide web-links (if available) or attach to the submission form. Please add any other relevant information as required.
 - [Nationally Determined Contributions \(NDC\)](#)
 - [Technology Needs Assessment Mitigation Report](#)
 - [Technology Needs Assessment Adaptation Report](#)
 - [National Climate Change Policy, Strategy and Action Plan](#)
 - [National Gender Policy](#)
 - [Growth and Sustainable Development Strategy](#)
- **Please indicate if this request has been developed with the support of the CTCN Request Incubator.**
This request was not developed with the support of the CTCN Request Incubator.

OPTIONAL: Linkages to Green Climate Fund Readiness and Preparatory Support

The CTCN is collaborating with the GCF in order to facilitate access to environmentally sound technologies that address climate change and its effects, including through the provision of readiness and preparatory support delivered directly to countries through their GCF NDA. These actions are in line with the guidance of the GCF Board (Decision B.14/02) and the UNFCCC, particularly paragraphs 4 and 7 of 14/CP.22 that addresses Linkages between the Technology and the Financial Mechanisms².

The CTCN is therefore implementing some of its technical assistance using GCF readiness funds accessed via the country's NDA. Any application for GCF support, including the amount of support provided, is subject to the terms and conditions of the GCF and should be developed in conjunction with the NDA.

Please indicate whether this request has been identified as preliminarily eligible by the NDA to be considered for readiness support from the GCF.

Initial engagement: The GCF NDA of the requesting country has been engaged in the design of this request and the NDA will be involved in the further process leading to an official agreement for accessing GCF readiness support.

Advanced engagement (preferred): The GCF NDA of the requesting country has been directly involved in the design of this request and is a co-signer of this request, the signature indicating provisional agreement to use readiness national funds to support the implementation of the technical assistance.

NDA name:

² Please see:

https://unfccc.int/files/meetings/marrakech_nov_2016/application/pdf/auv_cop22_i8b_tm_fm.pdf

Date:

Signature:

Monitoring and impact of the assistance:

By signing this request, I affirm that processes are in place in the country to monitor and evaluate the technical assistance provided by the CTCN. I understand that these processes will be explicitly identified in the CTCN Response Plan and that they will be used in the country to monitor the implementation of the technical assistance following standard CTCN procedures.

I understand that, after the completion of the requested assistance, I shall support CTCN efforts to measure the success and effects of the support provided, including its short, medium and long-term impacts in the country.

Signature:

NDE name:

Lennox Gladden (PhD)

Date:

19/12/19

Signature:



THE COMPLETED FORM SHALL BE SENT TO THE CTCN@UNEP.ORG

The CTCN is available to answer all questions and provide guidance on the application process.