



UNOPS ICAT

INITIATIVE FOR
**Climate Action
Transparency**



BUILDING NATIONAL MITIGATION SCENARIO MODELLING CAPABILITIES

INITIATIVE FOR CLIMATE ACTION TRANSPARENCY (ICAT) PROJECT

**SCENARIO DESIGN WORKSHOP
30TH APRIL 2021**

MEETING REPORT

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Acronyms and Abbreviations

AFOLU	Agriculture, Forestry and Other Land Use
BUR	Biennial Update Report
CAEP	Climate Action Enhancement Package
CBIT	Capacity Building Initiative Transparency
CCMRVH	Caribbean Cooperative Monitoring, Reporting and Verification Hub
DMU	Monitoring, Evaluation and Data Management Unit
DOE	Department of Environment
EPMA	Environmental Protection and Management Act
GEF	Global Environment Facility
GGGI	Global Green Growth Institute
GHG	Greenhouse Gas
GHGMI	Greenhouse Gas Management Institute
ICAT	Initiative for Climate Action Transparency
INDC	Intended Nationally Determined Contribution
MRV	Monitoring, Reporting and Verification
NC	National Communications
NDC	Nationally Determined Contribution
NGO	Non-Governmental Organization
RE	Renewable Energy
SDG	Sustainable Development Goal
SIDS	Small Island Developing States
SPPARE	Sustainable Pathways - Protected Areas and Renewable Energy
UNFCCC	United Nations Framework Convention on Climate Change
UNOPS	United Nations Office for Project Services
LEAP	Low Emissions Analysis Platform
GACMO	The Greenhouse Gas Abatement Cost Model
WTE	Waste to Energy

Summary

The Department of Environment (DOE) convened its Scenario Design Workshop on the 30th April 2021 for the **Initiative for Climate Action Transparency (ICAT) project** with the aim of **Building National Mitigation Scenario Modelling Capabilities**. This project is funded by the United Nations Office for Project Services (UNOPS). The main objective of this project is to assess the impact of climate policies and actions and ensure that participating countries fulfill their transparency commitments. The project is country driven, seeking to provide capacity development to countries that already have existing Monitoring, Reporting and Verification Systems (MRV) and other mitigation or adaptation initiatives. The project is dependent on highlighting national priorities and seeks assistance from national experts while encouraging peer-to-peer learning.

Under Activity 3, the purpose of the workshop was to receive input from key stakeholders on the elaboration and parameterization of Antigua and Barbuda's mitigation policies, actions, and associated mitigation scenarios to complement the proposed government approved NDCs, which are still being revised before final submission to UNFCCC. Stakeholders were needed to determine the plausibility and desirability of actions and policies being considered for the potential scenarios regarding Antigua and Barbuda's climate strategies. As the ICAT project progresses, the involvement and investment of these key stakeholders play an integral role in its overall success. Throughout the project, their commitment and collaboration are necessary for fulfilling their personal development objectives, through capacity building, as well as Antigua & Barbuda's goal to acquire a growing economy in a sustainable and a low carbon emitting country.

The meeting was hosted virtually. The list of attendees is included in Annex 1. The meeting was executed as follows:

- Welcome and Remarks
- Breakdown and Walkthrough of the Mitigation Template
- Closing

Welcome and Remarks

Ms. Anik Jarvis, member of the ICAT National Coordinating team (NCT) welcomed the stakeholders to the workshop. She acknowledged the presence of the stakeholders and how their continued interest will contribute to the success of the project. Participants were encouraged to engage in discussion throughout the scenario design workshop as their input contributes to the scope and ultimately, the success of the project.

Mr. Oraine Nurse, project lead and member of the ICAT NCT who greeted the stakeholders and described the purpose of the workshop. He explained that the ICAT team sought validation of the actions and policies of the mitigation template being presented, along with assistance in completing some sections of the template.

Breakdown and Walkthrough of the Mitigation Template

Template Layout

Ms. Jarvis explained the types of information being collected for the template. The column headers as seen in the template were as follows:

- Number
- Sector
- Proposed Mitigation Strategies
- Estimated Completion Year
- Source
- Description from Source
- Lead Agency
- Priority
- Status
- Can it be modelled?
- Assumptions
- Data Source

Next, Ms. Jarvis further elaborated with a mitigation action that was provided as an example with the template. After describing to the stakeholders that the NCT would seek their approval of current

actions, and any additional actions that should be considered, she began to go through the mitigation actions listed as a part of the energy sector. It was disclosed that the mitigation actions being considered were based on the proposed revised NDCs that are currently being developed and the MRV System Report that was previously produced for the DOE by the Global Green Growth Institute (GGGI).

Number	Sector	Proposed Mitigation Strategies	Estimated Completion year	Source	Description from source	LEAD AGENCY	Priority	Status	Can it be modelled?	Assumptions	Data Sources
ID	What sector does the proposed mitigation action/strategy belong to?	What is the proposed mitigation action	By what year should the mitigation action be completed	Where was the original source of the mitigation action, documents etc.	How was it defined in the source/original documentation	Agency responsible for implementing this action	Would this action be considered a national priority?	What is the status of this action (ongoing, planned, completed or just an idea)	Whether the action can be modelled in LEAP or contained in another action	What assumptions will be made in the model	What data is required? And where can it be sourced
Example:1	Energy Demand	Adoption and Implementation of Revised Building Code for all new buildings and renovations	2025	Adapted from SNC/NEP	NEP -Develop minimum energy standards for buildings.(Goal 1). Employ energy-saving approaches in building design and construction (Goal 2). Conduct periodic reviews and updates of building code in respect of energy efficiency, incorporating requirements for the efficient use of energy in buildings	Planning Division	High	Planned	Yes	Target of 15% reduction in space cooling and ventilation demand for new construction from the baseline and a 10% reduction in lighting demand.	No of buildings, types, energy consumption - source statistics division

Figure 1. Mitigation Template with an example

The question of whether the three energy strategies were considered sufficient for inclusion in a mitigation model was posed to the stakeholders. Ms. Melissa LeBlanc, Project Technical Officer at the DOE requested clarity on what was meant by “sufficient”, and Mr. Nurse explained with detail that the table was being developed to determine mitigation priorities for Antigua and Barbuda while providing the necessary information to input those actions into a model for the country. Ms. LeBlanc then asked about the expectations of the stakeholders during the workshop as it relates to the strategies listed to which Mr. Nurse confirmed that the stakeholders were expected to rate each strategy in order of priority, verify if the strategies have been put in place, and include additional proposed mitigation strategies not being considered.

Ms. Alisha Koulen, member of the ICAT NCT presented on the mitigation options. She opened by reiterating that the National Coordinating Team was seeking to populate the mitigation template with as much information as possible that could be provided by the stakeholders. In the event that the information is not on hand, a guide to the source of the information would also be acceptable. She stated that for some strategies which appeared more like objectives, suggestions of ways to make them more actionable would be helpful, particularly for modelling.

Mitigation Strategies Discussion

Energy Sector

Subsequent to Ms. Koulen's opening remarks, Mr. Vekash Khan communicated a message on behalf of Ms. LeBlanc regarding mitigation action number two (per the mitigation strategies populated) that would have been sourced from the 2015 Intended Nationally Determined Contribution (INDC). He continued to state, that along with the INDC, the Customs Department and Bureau of Standards would share responsibility as the lead agencies and serve as data sources. Participant, Mr. Zepherinus Churchill Norbert confirmed that the Bureau of Standards houses the national standards relating to energy efficiency (EE) standards and appliance standards. He believed that the target in question, "Establish efficiency standards for the importation of all appliances" is a high priority. Mr. Norbert also offered to share 2019 report that would provide additional information regarding proposed and intended targets in energy efficiency. Ms. Benise Joseph of the Caribbean Cooperative Monitoring, Reporting and Verification Hub (CCMRVH) and ICAT team asked whether there was a list of appliances considered for the energy efficiency standard, what the initial baseline was and what were the new EE standards. Mr. Norbert confirmed that this information could be found in the report.

Electricity Sector

Ms. LeBlanc pointed out that most of the mitigation strategies listed for this sector was sourced from the revised NDC proposal with the exception of one previous target, which was sourced from the INDC. Ms. Jarvis replied noting that she was correct in stating that the strategies presented were based on the proposed NDCs, however, the NCT was seeking to determine what policies informed those proposed revised NDCs. Ms. LeBlanc further questioned whether the team was looking for established or planned policies, to which Ms. Koulen responded by explaining that the policies could either be implemented or planned, once they are feeding into these NDCs.

Per the mitigation template, Mr. Daniel Perreira suggested that the priority for mitigation target number 4 (100 MW of renewable energy generation capacity available to the grid) be listed as high, while INDC mitigation target number 5 (50 MW of renewable energy generation capacity owned by farmers who can sell electricity to off-takers) and target 6 (100 MW of renewable energy generation capacity owned by social investment entities) be considered medium priority. Mr.

Norbert asked if these targets could be looked at from the energy perspective rather than the demand perspective. Ms. Koulen deferred to Ms. Ezra Christopher, the Coordinator of the NDC Update process. Ms. Christopher noted that the NDCs are still under technical review and that further changes will be made.

Mr. Dudley Williams, a member of the RE team at the Department of Environment, asked if the source document required detailed information on the mitigation strategies being presented. Ms. Koulen confirmed that it would be beneficial to have documentation that provides details not just about the planned actions, but also the steps that will be taken to achieve the actions or implement strategies. Mr. Williams continued that he would provide the title of a document that touched on mitigation strategy number 15 (30,000 or 50% of pre-2020 homes to have back-up RE systems for at least 4-6 hours of energy) for the team's exploration. Ms. LeBlanc informed that target number 15 has been started by different project: IRENA/ADFD Phase 2, SIRFF, AF, SCCF and EDA, while number 14 (100% of Water supply infrastructure powered by own grid interactive renewable energy sources) has been started by the Sustainable Pathways - Protected Areas and Renewable Energy (SPPARE) project. Mr. Perreira voiced that target 10 (Elimination of the fuel surcharge tax on electricity bills) may have APUA as the lead agency and would likely be a high priority strategy.

Agriculture, Forestry and Other Land Use (AFOLU) & Remaining Sectors

The strategies of the remaining sectors were not addressed. In lieu of that, Mr. Nurse suggested that the template be shared with the stakeholders to allow them more time to go through and add the relevant information. To finish up the template presentation, Ms. Koulen went through a few of the strategies listed in the AFOLU sector and encouraged the stakeholders to consider any other strategies that have not been included in the template.

Closing

Mr. Nurse closed by thanking Alisha for presenting the template and the stakeholders for engaging in discussions during the workshop. He reassured the stakeholders that further communication will take place as the mitigation template continues to be populated and encouraged continued participation in future ICAT activities.

Next Steps

The next steps for ICAT project implementation are as follows:

- Completion of the Baseline Scenario Specification Report
- Completion of the Mitigation Scenario List
- Commencement of model building for Antigua and Barbuda with simultaneous advanced training
- Identification of data gaps and additional data collection