GHG Mitigation Modeling tools Introduction Webinar Series 2021

Background:

The Caribbean Cooperative Measurement, Reporting and Verification Hub (MRV Hub) Modeling and Projections Programme is dedicated to developing capacity and providing services to the MRV Hub member countries on the use of greenhouse gas (GHG) mitigation modeling and projections.

This series is brough to you in collaboration with Caribbean Center for Renewable Energy and Energy Efficiency (CCREEE) and GHG modeling tool developers.

GHG emissions modeling & projections capabilities are gaining importance for the countries' climate change divisions with need for preparation, planning, implementation, and reporting of mitigation actions for Nationally Determined Contributions (NDCs) and Long-Term Low Emission Developments (LT-LEDS) under the Paris Agreement. Additionally, projections establish baselines for emission reduction scenarios, thus providing sound climate justification when applying for climate finance and support for implementation of actions. There are several tools available and being used for GHG modelling. While the origin of some of these tools was for the purpose of long-term energy planning, some have been developed specifically for climate action planning. Each tool has its appropriate applications, capabilities, limitations, data requirements, sectoral coverage, and complexity. It is important for decision makers from climate action coordination units in countries to have some understanding of the range of options in regard to the various tools and their capabilities. With such knowledge, they will be in a position to make informed decisions on the selection of tools based on their needs and to develop in-house capacity in the countries.

The MRV Hub Modeling and Projections Programme, together with the UNFCCC RCC-St George's, and CCREEE are embarking on an effort to introduce the range of tools and models available for Caribbean countries to select from, thus imparting basic understanding of these tools. This introduction to the models will be presented through a series of webinars that will be conducted in coordination with the developers of the models.

Target Countries:

CARIFORUM countries

Target audience:

The decision makers in the climate change divisions, officers focusing on climate change mitigation, GHG inventory coordinators and developers, academics involved in climate change mitigation planning topics, and GHG inventory consultants based in the region (some sessions will invite sectoral experts from those sectors like energy/AFOLU).

Time period: April – August 2021

Sessions per month: 1-2

Duration of each session: 60 minutes

Preferred time: 1100h East Caribbean Time on Tuesdays

Platform for delivery: MS Teams (Dropbox for document sharing for each session including recordings)

# of participants per session: 20 - 30

Webinar series structure:

The course will be announced at the MRV Hub annual meeting in March followed by an invitation to countries to nominate participants for the series of introductory training webinars.

The webinar series will have a rolling registration that will allow new participants to register and attend the modules as needed. Before each module an invitation will be sent to the MRV Hub & CCREEE focal points for dissemination and to all previously registered participants.

Pre preparation phase:

1 week before the online session, relevant material will be shared via Dropbox for registered participants to review (these could vary from brochures/ manuals/ access to models if the developer provides them freely/ any other training materials or access to web courses around the models).

Delivery of online module:

This will be a 60-minute session moderated by MRV Hub and conducted with the developers of the model or an expert user. We plan to record all sessions to make available in the same Dropbox for access and future reference.

Post Online session follow up:

The participants may forward questions and requests directly to the model developers or through the MRV Hub Modeling and Projections Programme staff. A survey will be conducted for each session that will also capture interest to get more information on the content or products for future capacity building.

Session Outline:

Tentative session sequence is as follows:

#	Topic	Targeted week
1	Why Modeling & Projections, Introduction to GHG modeling and projections and tools.	April 29
2	Introduction to GAMCO	May 4
3	Introduction to LEAP	May 18
4	Introduction to Prospect +	June 8
5	Comparison of the commonly used models and guidance for selecting appropriate tools	June 22
6	(Other modeling tools to be decided based on Demand)	July 6
7	(Other modeling tools to be decided based on Demand)	July20
8	(Other modeling tools to be decided based on Demand)	August 3