

## Greenhouse Gas Mitigation Modelling Tools Webinar Series 2023

### **Background:**

The Caribbean Cooperative Measurement, Reporting and Verification Hub (the MRV Hub) Modelling and Projections Programme is a comprehensive work program which focuses on developing modelling capacity within the Caribbean region and provides services to the MRV Hub member countries on the use of greenhouse gas (GHG) mitigation modelling tools.

GHG emissions modelling & projection capabilities are essential for countries to be able to meet the growing demand for mitigation assessments and to update and track the progress of Nationally Determined Contributions (NDCs) under the Paris Agreement. Modelling and projections help establish baselines and pathways for emission reduction scenarios, thus providing sound climate justification when applying for climate finance and support for the implementation of mitigation 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 regarding the various tools and their capabilities. With such knowledge, they will be able to select suitable tools to fulfil their needs and develop in-house capacity in the countries.

Through this webinar series, the Modelling and Projections Programme (MPP) seeks to promote awareness across the region on the wide range of tools available and suitable for use in mitigation assessments. In addition, we aim to facilitate expertly led sessions, which allow stakeholders to gain a general understanding of the functions and capabilities of the modelling tools.

### **Target Countries:**

CARIFORUM countries

### **Target audience:**

- Decision-makers in climate change divisions
- Officers focusing on climate change mitigation
- GHG inventory coordinators and developers
- Academics involved in climate change mitigation planning topics and other interested parties.
- Planners involved in the Energy sector, Agriculture, Land Use, Land Use Change and Forestry (LULUCF) Waste and Industrial Process & Product Use (IPPU) sectors with interest in understanding climate change actions and their impacts in the respective sectors.

All Participants are welcomed, but the major focus will be on the Caribbean region.

**Time period:** May – July 2023

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**Session Frequency:** Weekly

**Duration of each session:** 60 - 90 minutes

**Preferred time:** 1000h East Caribbean Time on Wednesdays

**Delivery Platform/Mode:** ZOOM Meetings

**Webinar Material Access:** <https://mrvhub.org/mppwebinars2023/> for presentations and recordings

**Number of participants per session:** 20 -30

**Webinar series structure:**

The series will be announced using circulated flyers via email communication to the MRV Hub Focal Point network, RCC networks and other relevant networks and organizations, in February. Further announcement will occur at the MRV Hub annual meeting, in April 2023.

The webinar series will have a rolling registration which will allow new participants to register throughout the series. Before each session an invitation will be sent to the MRV Hub & RCC 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 the MRV Hub website 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 to 90-minute session moderated by MRV Hub and conducted with the developers of the model or an expert user. All sessions will be recorded and made available via the MRV Hub website for access and future reference. Each session will also feature a feedback poll to help improve future webinars.

*Post Online session follow-up:*

The participants may forward questions and requests directly to the model developers or through the MRV Hub Modelling and Projections Programme staff.

**Session Outline:**

The tentative session sequence is as follows:

#	Topic	Targeted week
1	Mitigation in the Region and possible tools for modelling and projections	May 24
2	Basics of GACMO	May 31

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3	Basics of LEAP	June 7
4	The MRV Hub regional data collection guidance documents – [LEAP, GACMO, On-Road Mobile]	June 14
5	Basics of the FAO EX-ACT Tool for AFOLU sector modelling	June 21
6	Basics of PyPSA	June 28

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