

26th August 2021

The GHG Mitigation Modelling Tools Introduction Webinar Series 2021 comes to an end.

Launched in April 2021, the [GHG Mitigation Modelling Tools Introduction Webinar Series](#) concluded in July. The series contained 7 sessions. These sessions introduced Caribbean countries to a wide range of greenhouse gas (GHG) mitigation modeling and projection models and tools. It also provided them with the knowledge necessary to select the most suitable tool based on the circumstances. The climate change divisions of Caribbean countries are now better equipped to select appropriate tools for the preparation, planning, implementation, and reporting of mitigation actions for Nationally Determined Contributions (NDCs) and Long-Term Low Emission Developments (LT-LEDS), other reporting under UNFCCC and planning, execution, and monitoring of mitigation policies and for accessing climate finance.

This series was organized by the Modelling and Projections Programme of the Caribbean Cooperative Measurement, Reporting and Verification Hub (MRV Hub) in collaboration with Caribbean Center for Renewable Energy and Energy Efficiency (CCREEE), the UNFCCC RCC-St. George's and GHG modelling tool developers.



Each webinar session was 1-hour duration. Participants were also allowed a short question and answer session where they asked relevant questions concerning the use of the tools.

Approximately 80 participants registered for the sessions and the average attendance was 25-40 persons per session. These participants represented 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 GHG inventory consultants based in the region and sector specialists from the energy and forestry sectors.

The webinar series recordings can be accessed [here](#).

WEBINAR #1: Introduction to Modeling & Projections Tools

Date: 29th April 2021

This session introduced the GHG emission modelling and projection tools. These tools are essential for the planning of mitigation actions. The objectives of the first session were to introduce the importance of GHG modeling & projections for planning, monitoring, and reporting of climate actions, to impart basic understanding on GHG emission projection models and to introduce some of the GHG modeling and projection tools. The session was presented by Vintura Silva and Donnie Boodlal of the MRV Hub. In addition, a keynote message was delivered by Gerald Lindo from CCREEE.

WEBINAR #2: Introduction to Greenhouse Gas Abatement Cost Model (GACMO)

Date: 4th May 2021

This session was presented by Jørgen Villy Fenhann from the UNEP-DTU Partnership, developers of the [Greenhouse Gas Abatement Cost Model](#) (GACMO), a GHG modelling tool. The major outcomes of this session were to introduce the capabilities and functions of GACMO as a GHG modeling tool, to look at data and other requirements for operation of the GACMO, and to demonstrate the capabilities of the model for the GHG modeling and projections through case studies.

WEBINAR #3: Introduction to LEAP (Low Emissions Analysis Platform)

Date: 18th May 2021

This session was presented by Charlie Heaps from the Stockholm Environment Institute (SEI), developers of a GHG modelling tool known as [LEAP](#). The session objectives were to introduce the capabilities and functions of LEAP as a modeling tool, to look at data and other requirements for operation of the LEAP and to demonstrate the capabilities of the model for GHG modeling and projections through case studies.

WEBINAR #4: Introduction to PROSPECTS+

Date: 15th June 2021

This session was presented by Anna Nilsson from the NewClimate Institute, developers of a GHG modelling tool known as [PROSPECTS+](#). It is one of the tools under the “Climate action Outcomes and Mitigation Policy ASSessment” (COMPASS) toolbox of NewClimate which supports decision-makers, analysts, and civil society in assessing and understanding the impacts of climate action and policies. The specific objectives of this session were to introduce NewClimate’s COMPASS tools and their interlinkages and to introduce the capabilities and functions of PROSPECTS+ as a modeling tool, to look at input data and other requirements for operation of the PROSPECTS+ and demonstrate the capabilities of the tool for GHG modeling and projections through case studies.

WEBINAR#5: Comparison of tools and guidance for selection of GHG modeling & projection tools

Date: 29th June 2021

This session was presented by Donnie Boodlal and Benise Joseph from the MRV Hub. It provided participants with guidance for considering the requirements necessary when selecting an appropriate GHG modelling tool which meets their needs and capabilities. The session is complemented by a [guide](#) which compares GHG modeling and projection tools, created by the MRV Hub. The goals of the session were to introduce points to consider when selecting a tool for GHG modeling and projections for national uses, to perform a comparative analysis of some of the commonly used GHG modeling tools under these criteria and to announce the tools selected from the last 3 sessions based on demand from the participants.

WEBINAR #6: Introduction to FAO suite of tools for modelling and projection of GHG emissions in AFOLU sector

Date: 6th July 2021

This session introduced a suite of tools available for GHG modelling and projections in the Agriculture, Forestry and Other Land Use (AFOLU) sector, developed by the United Nations Food and Agriculture Organization (FAO). It was presented by Lorenzo Maestripieri and Alice Moreau, EX-ACT Analysts from the FAO. The objectives of this session are to introduce the [FAO suite of tools](#) for modeling and projection of GHG in the AFOLU sector, to look at data and other requirements for operation of the tools and to demonstrate the capabilities of the suite of tools for GHG modeling and projections using case studies.

WEBINAR #7: Introduction to REmap tool

Date: 28th July 2021

This session was presented in partnership with the International Renewable Energy Agency (IRENA), developers of a GHG modeling tool known as [IRENA REmap](#). The presenters were Ricardo Gorini - REmap Team Leader, Rodrigo Leme, Krisly Guerra and María Vicente García, REmap Analysts from IRENA.

The Excel based REmap tool provides a simplified but dynamic accounting framework to create and evaluate energy system developments and costs at sector (power, transport, industry, buildings) and technology level. The objectives of the session were to introduce the capabilities and functions of REmap as a modeling tool for GHG emissions, to look at data and other requirements for operation of the REmap tool and to demonstrate the capabilities of the tool for GHG modeling and projections through case studies.