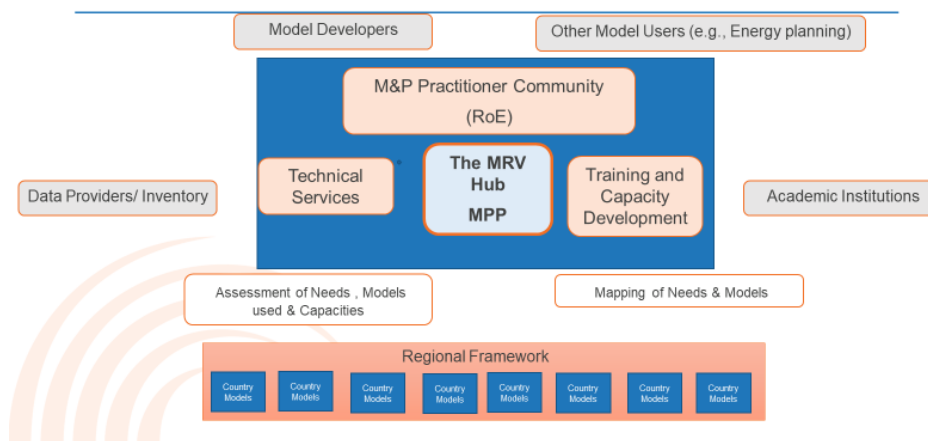


MRV Hub GHG Modeling & Projections Programme Launched

Greenhouse gas (GHG) emissions modeling and projections capabilities are gaining importance for national climate change departments engaged in the preparation, planning, implementation, and reporting of mitigation actions for Nationally Determined Contributions (NDCs), Biennial Transparency Reports (BTRs) 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 domestic implementation of actions. Currently most climate change departments in the Caribbean region rely on international consultants to develop models and mitigation scenarios in order to meet these requirements.

Recognizing the demand, the Caribbean Cooperative MRV Hub (“MRV Hub”) developed a comprehensive work programme around modeling and projections. The Modeling and Projections Programme (“MPP”) was first announced and launched during the MRV Hub Annual Meeting earlier this year.

Caribbean MRV Hub Modeling & Projections Programme (MPP)



The MRV Hub MPP covers a wide scope and offerings including:

- Introduction and evaluation of various modeling tools;
- Assessment of the availability of existing technical capacity;
- Developing new expertise through comprehensive training on prioritized modeling tools;
- Continuous updating of expert’s knowledge through a community of practice; and
- Providing services for the region through mitigation scenario assessment services.

Although launched recently, the MRV Hub has been planning meticulously for this program since end of 2020 and this groundwork enabled the MPP to already achieve key milestones in such a short period after launching. These milestones include:



The MPP hosted a GHG Mitigation Modeling tools Introduction Webinar Series in partnership with the UNFCCC–Regional Collaboration Centre St George’s (RCC-STG), CCREEE, and developers of various modeling tools. The series is already into the third session with each session dedicated towards introduction of various modeling and projection tools. There are several tools currently available and being used for GHG modelling. 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 MPP in partnership with GHGMI and Stockholm Environment Institute (SEI) has also started supporting countries with the development of modeling and projections to draft the mitigation assessment chapters of several National Communications and Biennial Update Report work. MPP staff have worked with SEI and GHGMI under The Technical Assistance Programme for Sustainable Energy in the Caribbean (TAPSEC) programme, for developing capacity in the region through LEAP modeling training. In Antigua & Barbuda, the MPP team is supporting GHGMI on an ICAT project working on a yearlong training and mentoring initiative to develop domestic modeling and projection capabilities.

The MRV Hub together with the UNFCCC RCC-STG, IRENA and FAO partnered to support Belize with development of the revised NDC through the development of reference scenarios and NDC mitigation scenarios.

One of the main focus areas for the MPP is to work together with SEI to build and share a regional LEAP model covering the 12 member countries of the MRV Hub, that will provide a framework for efficiently adapting and developing LEAP models for each of the MRV Hub member countries in the future.

The MRV Hub MPP team plans to expeditiously build the necessary capacity in the region to meet the growing demand for mitigation scenario assessments and update and tracking of NDC, LT-LEDS progress and reporting under the ETF.

Meet the MRV Hub Modeling & Projections Programme Core Team

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