



GHG Mitigation Modelling Tools Introduction Webinar Series 2021

Session 7: Introduction to REmap Tool

28 July 2021, Wednesday, 1000h-1100h AST

Background:

This is the seventh session of the series which introduces one of the tools for energy and CO₂ Modelling developed by the International Renewable Energy Agency (IRENA)'s REmap programme - IRENA REmap. The Excel® based REmap tool as well as the FlexTool allows IRENA's analysts and national experts to evaluate and create a country-level analysis to assess renewable energy technology options on sector level. The 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. It primarily provides renewable energy scenario analysis and has the capacity to model and project CO₂ emissions from energy sector activities and various energy scenarios.

This capability was used by IRENA in collaboration with UNFCCC/CCMRVH to model the reference scenario and NDC scenarios during the revision of the NDC in Belize during 2020.

The seventh session of the GHG Mitigation Modeling tools Introduction Webinar Series 2021 is brought to you by the MRV Hub in collaboration with CCREEE and UNFCCC-RCC St. George's. It introduces IRENA's REmap tool as a tool for energy and CO₂ modelling and projections. This session will be presented to you in partnership with IRENA, developers of the REmap tool.

The session will specifically focus on:

- Introducing the capabilities and functions of REmap & FlexTool as a modelling toolkit for energy and CO₂ emissions;
- Looking at data and other requirements for operation of the REmap & FlexTool;
- Demonstrating the capabilities of the tool for CO₂ modelling and projections through case studies.

Target audience:

The 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. Planners involved in energy sector with an interest in understanding of climate change actions and their impacts in respective sectors. The participants must be from the Caribbean or be based in the Caribbean region.



Structure and content of the virtual seminar

The webinar will be structured into three stages:

- **Pre-Webinar preparation** Use the Dropbox link provided in the meeting invitation to access the material to read in preparation for the webinar. Those interested may find more information about REmap & FlexTool using the links below:
 - <https://irena.org/remap>;
 - <https://www.irena.org/energytransition/Energy-System-Models-and-Data/IRENA-FlexTool>
- **Webinar (60-min)** Introduction to REmap & FlexTool, its capabilities and walk-through case studies to understand the functionalities and capabilities for energy and CO₂ modelling and projections.
- **Follow-up stage**, during which participants are asked to provide feedback on the webinar approach. Furthermore, a helpdesk for interested Parties will be provided to discuss follow-up questions, further topics of interest and as a channel of direct communication with the MRV Hub Secretariat.

The virtual seminar will be conducted via **ZOOM**.

Preliminary Outline of the Webinar

5min	Introduction by the moderator - <i>Opening, objectives, engagement rules, tour de table</i>
25min	Introduction to REmap tool & FlexTool: <i>International Renewable Energy Agency (IRENA) will present the tool, outline its capabilities and functionalities including data and resource requirements</i>
15min	Case studies: <i>International Renewable Energy Agency (IRENA)</i>
10min	QA session with participants
5min	Closing & introduction to next sessions