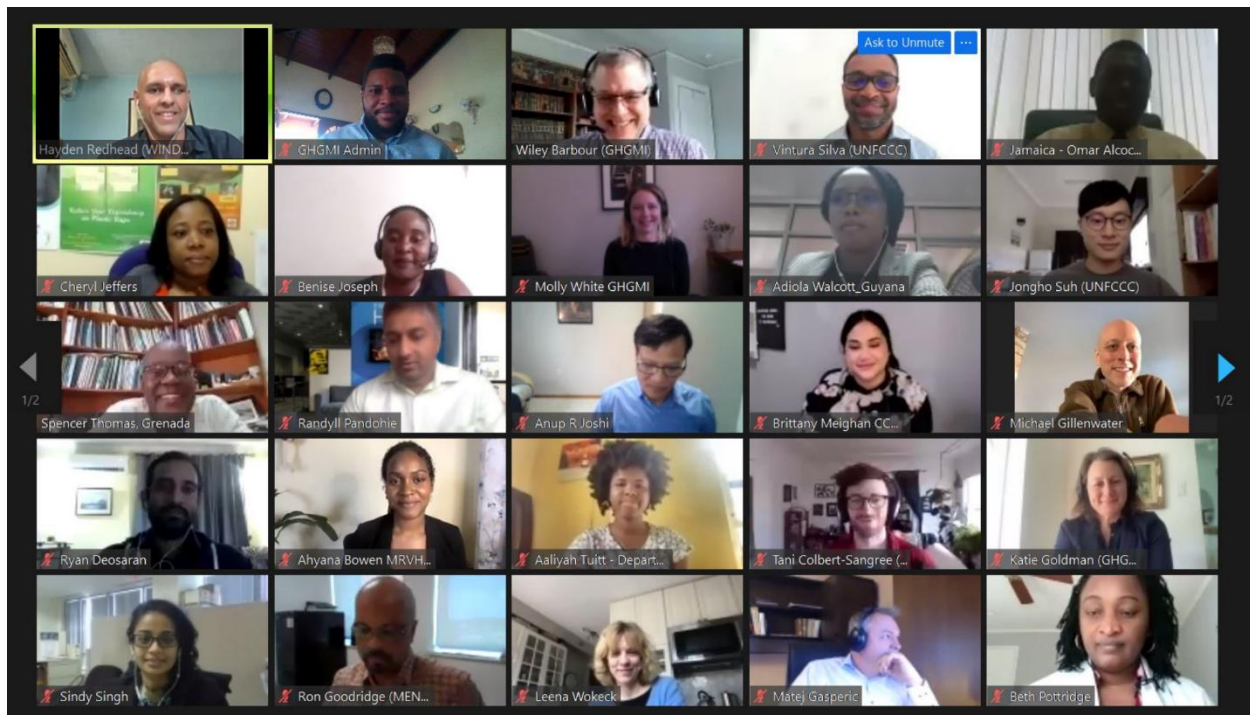


CARIBBEAN COOPERATIVE MRV HUB

Measurement • Reporting • Verification

Report of the 3rd Caribbean Cooperative Measurement Reporting & Verification Hub Annual Meeting

March 23-24, 2021
Virtual



Contents

Report Introduction & Background on the MRV Hub.....	3
Introduction.....	3
Background.....	3
Annual Meeting Session Summaries	4
1. Meeting Opening and Objectives	4
2. Lessons Learned and Outlook for MRV Hub Work Crews.....	4
3. Presentation of Work Crew Progress and Plans	5
4. Presentation on the MRV Hub Modelling and Projections Programme.....	6
5. Overview & Listing of ongoing Country-Specific Work	6
6. MRV Hub Operations – Work Plan Update and Vision for the MRV Hub.....	7
7. Country Focal Points/MRV Hub Cooperative Session.....	8
8. Meeting Close	9
Appendices.....	10
2021 MRV Hub Annual Meeting Agenda.....	10
2021 MRV Hub Annual Meeting Attendees	13
Figures.....	17
Mentimeter Outputs	22

Introduction

This report is a summary of the **3rd Annual Meeting of the Caribbean Cooperative Measurement Reporting & Verification Hub (MRV Hub)**. The meeting's objective was twofold. First, to provide member countries and partners with the status of MRV Hub outputs in 2020 as well as an overview of achievements and challenges faced by the project and its members. The MRV Hub highlighted the substantive 2020 activities which included the 2020 Annual Meeting, the launch of the MRV Hub Summer Academy, country-specific work streams, expansion of the MRV Hub staff and the continued development of sector-specific work crews. The second key objective was to garner feedback and cooperative engagement with MRV Hub Member Countries. This included presentations from Antigua & Barbuda, The Bahamas, and Saint Lucia on ongoing country-specific support from the MRV Hub and its project implementing lead, the Greenhouse Gas Management Institute (GHGMI).

Over the course of the two days the meetings were attended by a total of 64 participants including 27 representatives from all twelve of the MRV Hub Member States (See Appendix: Attendees). The meeting was recorded for attendees; slides from each session can be accessed [here](#) and video files can be accessed [here](#).

The Caribbean Cooperative MRV Hub (CCMRVH) is part of the [International Climate Initiative \(IKI\)](#). The Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU) supports this initiative on the basis of a decision adopted by the German Bundestag. And through support from the UNDP/UNEP Global Support Programme."

Background

The MRV Hub is a regional collaboration designed to support Member Countries in their efforts to: improve MRV systems, build Paris Agreement reporting capabilities, and enhance their domestic evidence-based policymaking. A key design innovation of the MRV Hub is that it functions as a true learning and mentoring cooperative. The MRV Hub is funded for five years of collaborative work, mentoring, and tool development. The only but vital contribution expected from countries is expert time and commitment to building this new empowering regional institution.

Under the Paris Agreement, countries are required to submit detailed data and supporting information every two years as a Biennial Transparency Report (BTR) starting in 2024. To achieve this, countries are working to quickly develop comprehensive climate measurement, reporting, and verification (MRV) systems to meet the new requirements. The establishment of MRV systems provides an additional challenge for small Caribbean nations because systems for climate change transparency are prone to economies of scale. To achieve its mission, activities of the MRV Hub include multi-country working sessions, bilateral mentoring trips, training sessions, research fellows and interns, tool and guidance development, and developing and strengthening data management systems. The MRV Hub is flexibly designed to adapt to evolving country needs for climate transparency.

Through cooperative activities, the MRV Hub will support member countries in the development of their National Inventory Programme and in doing so build the regional/national technical expertise to enable the reporting cycle (NC/BUR) to be institutionalised as opposed to operating on a project to project

basis. By bringing the inventory process in-house and improving technical capacity, the MRV Hub member countries are better positioned for Paris Agreement reporting, improving country access to climate finance, enhancing their national data systems (making reporting less burdensome and faster for countries), enabling domestic (non-reporting) uses of data and improving data quality and analysis.

Annual Meeting Session Summaries

1. Meeting Opening and Objectives

Mr. Hayden Redhead, MRV Hub Project Coordinator and moderator for the first session welcomed participants to the 3rd instalment of the MRV Hub's annual meetings (See Appendix: 2021 MRV Hub Annual Meeting Agenda). To begin, he provided specific guidelines to ensure the smooth running of both meeting days. At the end of Mr. Redhead's remarks, he invited Grenada's Permanent Secretary of the Ministry of Foreign Affairs, P.S. Roxie Hutchinson (Steering Committee Representative) to welcome the participants and speak on behalf of the Steering Committee Chair, Dr. Lennox Gladden. Dr. Vintura Silva, Team Lead of the UNFCCC RCC-St. Georges and Program Officer of the MRV Hub, and MRV Hub Project Director, Mr. Wiley Barbour, both gave their welcome and remarks. This was followed by brief introduction of this year's participants to end the first session by Ms. Ahyana Bowen, MRV Hub Technical Support Associate & Work Crew Coordinator.

Regional/Int'l organizations such as the Organisation of Eastern Caribbean States (OECS) Secretariat, the Greenhouse Gas Management Institute (GHGMI), Deutsche Gesellschaft für Internationale Zusammenarbeit, Grenada (GIZ), UNFCCC, UNEP-DTU, UNDP, the UNFCCC-Regional Collaboration Centre (RCC) at St George's, GHGMI and GGGI were also represented at the event.

2. Lessons Learned and Outlook for MRV Hub Work Crews

Mr. Wiley Barbour started the second session with a presentation on the MRV Hub Work Crews. In his presentation, he highlighted the four different ongoing work crews: Data Management Systems (DMS), On-Road Mobile Sources, Forestry and Other Land-Use (FOLU), and Maritime (Transport and Bunker Fuel). According to Mr. Barbour, one of the key lessons learned from the work crews' progress thus far, is the need to have MRV Hub Member Country Focal Points' assistance with the work crews expert member selection (see Appendix, Figure 1). He also expressed the need to have more country involvement, especially with encouraging government staff and experts to join work crews. A moderated Q&A session was conducted after the presentation.

3. Presentation of Work Crew Progress and Plans

MRV Hub Programme Officer Mr. Ryan Deosaran moderated the third session. He introduced the first presenter, Forestry and Other Land-Use (FOLU) Work Crew Lead, Dr. Anup Joshi, who presented updates on the progress made by the FOLU work crew since its establishment in September 2020. Consisting of a seven (7) member development team, the FOLU work crew hosted its Virtual Kick-off Meeting on 2nd October 2020. Dr. Joshi spoke of the training he provided on IPCC guidelines and procedures to collect and analyze data to manage emissions from the FOLU sector, within the months of October-November (see Appendix, Figure 2). He also highlighted georeferencing software platforms such as Google Earth and satellite imagery that FOLU work crew members were being trained in, to analyze and collect data.

After Dr. Joshi's presentation, Ms. Brittany Meighan, MRV Hub Programme Associate, provided an update on the On-Road Mobile Sources Work Crew (see Appendix, Figure 3). With MRV Hub experts' support, Ms. Meighan stated that they all are working together to build a system to produce annual estimates for GHG emissions from on-road mobile sources for MRV Hub member countries. She also highlighted the types of data collected which includes fuel type, fuel consumption, distance travelled by vehicles, fuel economy, vehicle type, emissions control technology, and registration data such as vehicle model year. Ms. Meighan emphasized a few challenges experienced with this work crew, such as the lack of data availability and identifying the right contact persons within each member country's ministry.

The third presentation was conducted by Mr. Randyll Pandohie on behalf of Dr. Olia Glade, DMS Work Crew Lead, who unfortunately, could not be present. Mr. Pandohie presented on the DMS work crew highlighting the success made since its initiation. He stated that the DMS work crew had completed several projects such as analysis of existing national GHG emission software and activity data template design for mobile combustion and stationary combustion. The work crew lead held a series of training programs to improve the participants' skillset in using the proper software and methodologies for data collection. The floor was then open to any questions from the participants. In addition, Mr. Pandohie gave insights into the work crew's future plans (see Appendix, Figure 4).

Leading the fourth presentation was Ms. Ahyana Bowen, Work Crews Coordinator. The session included a survey and discussion on plans for future work crews with the aid of Mentimeter, an online real-time survey tool (See Appendix: Mentimeter Outputs, Figures 11-15). The participants were asked four (4) questions. In the first question, participants ranked potential sectoral work crews according to their country's need from highest priority to least as follows; Waste Sector, Agriculture Sector and Refrigerants/F-Gases. In the second question, participants prioritized MRV Systems as a top priority for potential cross-cutting work crews, Establishment of NDCs and Tracking and Reporting of NDCs next, followed by QA/QC and Verification, followed by Mitigation and Modelling and Writing NCs and BURs chosen as the least of a priority. In question three (3), participants strongly agreed that Expert Review of Inventories, and Climate Finance Strategy and Tracking were topical issues that can be addressed through the MRV Hub work crew capacity building activities. In addition, participants highlighted a few areas that require focus through the MRV Hub work crews. Some of these areas include: How to Report BTRs; Gender Mainstreaming; Linking Monitoring of NAPs with Monitoring Systems of GHG Mitigation; and Training on Inventory Software Using In-Country Data.

4. Presentation on the MRV Hub Modelling and Projections Programme

Session four was moderated by Mr. Wiley Barbour. The session commenced with a joint presentation by Dr. Vintura Silva, Dr. Donnie Boodlal, and Ms. Benise Joseph on an Introduction to the MRV Hub Modelling & Projections Programme (MPP). Mr. Donnie Boodlal highlighted three “layers” that will be used in building capacity for mitigation analysis and modelling in the region. The first layer dealt with building awareness, where a series of virtual awareness sessions would be conducted by the MPP on the modelling tools available. These virtual sessions are expected to be undertaken from April to August of 2021. The second layer described would deliver specific courses through the GHGMI's Learning Management System. These courses would be tailored to the Caribbean Region using experience from past projects. The third layer described the need to build capacity beyond training by working with a core team from each MRV Hub Member Country to create country-specific models.

Ms. Benise Joseph, MRV Hub Programme Associate, held a Q&A session and also facilitated discussion through an interactive Mentimeter survey. Participants were asked to provide any comments on the proposed structure of the Modelling & Projections Programme. One of the comments that stood out was the need for more information on how the programme can work with countries' various data management rules. In the questions which followed, participants were asked to identify key services they would expect from the MPP. The participants suggested specific technical areas that would require support and called for tailored assistance and guidance, including having the MPP offer internships or apprenticeships to practitioners, and supporting national NDC modelling and target analysis. In closing, the participants called for ongoing training and coordination from the Modelling and Projections Programme.

5. Overview & listing of ongoing country-specific work

This session was moderated by Ms. Benise Joseph. The first presenter, MRV Hub Programme Officer Mr. Ryan Deosaran, gave an overview of the country-specific work currently being done by the MRV Hub. He stated that we learned during the MRV System Status Assessments of MRV Hub member countries (documented in Capacity Building Reports) that previous capacity building efforts in the region did not adequately address the needs of key stakeholders and data providers/collectors (see Appendix, Figure 5). Mr Deosaran stressed the importance of including sensitization training for inexperienced stakeholders and data providers as their inputs and understanding of the process and data flows is integral to the success of the reporting process. He explained that the MRV Hub approach includes the following components for all country-specific work:

- 1) sensitization training for stakeholders involved in the data collection process,
- 2) to include a train-the-trainer component to advance knowledge and skills of stakeholders as a first step towards building institutional memory,
- 3) include trained national staff in expert-led work crews to provide opportunity for continued mentoring with regional colleagues and senior GHGMI staff, and
- 4) prepare new regional guidance based on observed obstacles found in MRV Hub member countries taking into account national & regional circumstances.

Mr. Deosaran highlighted five (5) MRV Hub strategies designed to help country inventory teams begin the ownership process and bring the work in-house.

MRV Hub Strategies

1. Get to know regional experts
2. Ensure all expert teams cover basic training and understand the important concepts from the IPCC Guidelines (example- KCA, Uncertainty, data collection, QA-QC, etc.)
3. Adapt work outputs to include "train the expert" and stakeholder/data keeper sensitization
4. Include trained experts in future work and work crews to build practical experience
5. Map data flows of GHG Inventory, NDCs and FTC support received (climate finance, technology transfer, and capacity building)

The subsequent presentation was given by the Project Coordinator in The Bahamas Department of Environmental Planning and Protection, Mr. Charles Hamilton. He provided an overview of The Bahamas GHG Inventory, Mitigation Assessment, and MRV System projects and outputs (see Appendix, Figure 6). Mr. Hamilton expressed satisfaction with the excellent support provided by the Greenhouse Gas Management Institute (GHGMI) and the MRV Hub. Mr Hamilton specifically spoke to the efficiency gained by combining/sharing management calls and other systems employed to coordinate activities within these three ongoing projects.

The next presentation came from the Government of Saint Lucia represented by Mr. Kurt Inglis. He presented on the MRV Hub's support on Mitigation Assessment for the First Biennial Update Report of Saint Lucia. This was followed by a presentation from the Antigua & Barbuda Project Lead of the Initiative for Climate Action Transparency (ICAT), Mr. Oraine Nurse. He provided brief background information on the ICAT project being supported by the MRV Hub, explaining how it aims to help countries better assess the impacts of their climate policies and actions and aids in fulfilling the transparency commitments within Antigua & Barbuda. A Q&A session was held after Mr. Nurse's presentation (See Appendix: Mentimeter Outputs, Figures 16-19).

6. MRV Hub Operations – Work Plan Update and Vision for the MRV Hub

Ms. Brittany Meighan moderated the seventh session. The first speaker of the session was MRV Hub Project Coordinator, Mr. Hayden Redhead. He began the presentation by providing an update on the MRV Hub Secretariat's 2020 results and the plans for 2021. He highlighted the challenges that had been faced, such as COVID-19 restrictions which affected the ability to travel, brought on technical operation challenges and called for innovate approaches to achieving the MRV Hub's goals. Mr. Redhead spoke on a few key results achieved by the project team in 2020. Some of those results mentioned were new hires within the region, expansion of the country-specific work portfolio, successful completion of the 2020 virtual MRV Hub Summer Academy, and staffing and training of work crews. In addition, he addressed the upcoming plans for 2021, such as launching new work crews, the 2nd Edition of the MRV Hub Summer Academy, and planning and Steering Committee consultations to enable the transition of the MRV Hub to a sustainable institution in the region.

Following Mr. Redhead's presentation, Ms. Molly White, GHGMI Education Program Director, provided an overview of the 2020 MRV Hub Summer Academy. Due to challenges associated with the COVID-19 pandemic, the initially envisioned schedule of the technical program for the academy was changed to an 8-week virtual workshop format. This decision allowed the MRV Hub to space out the original programming to facilitate online delivery. The objectives of the 2020 Summer Academy were: to understand the GHG inventory development process and the application of cross-cutting issues, learn about available electronic tools to support the inventory development process, and gain a knowledge base for further inventory training and individual climate mitigation inquiry. Participants were awarded a certificate after the completion of the program. Ms. White outlined the plans for another virtual MRV Hub Summer Academy in 2021 with the new cohort of participants being a mix of member country new hires and attendees of the first MRV Hub Summer Academy in 2020. Participants in last year's MRV Hub Summer Academy 100% agreed, in a survey taken at the completion of the program, that they would recommend the Summer Academy Program to a colleague or supervisor (see Appendix, Figure 7).

Mr. Wiley Barbour ended the session's presentations with an account of the MRV Hub 2021 Work Plan and Vision for institutional sustainability (see Appendix, Figures 8 & 9). He emphasized how important the Steering Committee was to the MRV Hub in providing direction and support. The current Steering Committee consists of 10 seats with country seats being increased from four to six in 2021. After his presentation, the moderator engaged the participants with poll questions using the Mentimeter website.

7. Country Focal Points/MRV Hub Cooperative Session

In the penultimate session, participants were divided into two breakout groups to facilitate discussions between Member Country representatives and the MRV Hub team to better understand the MRV Hub Member Countries' needs. Group 1 was facilitated by Mr. Ryan Deosaran, while Group 2 was facilitated by Dr. Vintura Silva. Before the breakout session began, the participants were provided with detailed instructions and a list of questions to be discussed during the session (see Appendix, Figure 10). At the end of the breakout room sessions, participants re-joined the plenary, and each Group presented their output to the overall meeting.

Climate Change Specialist from Trinidad & Tobago, Ms. Sindy Singh, spoke on behalf of Group 1. She noted that representatives from Antigua & Barbuda conveyed the need to ensure data to be of higher quality and for more support related to quality assurance and control. As their country works on a comprehensive system for an environmental registry, the question of how to mainstream their climate change reporting aspects into a more comprehensive system would be addressed—and finding guidelines and support to get that done. In The Bahamas, representatives explained the issues with their reporting system. Currently, they are trying to formalize and institutionalize their process but are seeking further support. The remaining participants also agreed that the task to formalize and institutionalize the process for reporting is an issue that needs to be addressed. Group 1 also covered the application of good practice under the IPCC guidelines and discussed what would be necessary and the need for more granular guidance. Ms. Singh reported that representatives from St. Kitts & Nevis are currently working to establish an MRV system that is robust and compliant with the Paris Agreement requirement but would need

support in mitigation analysis and modelling. All country representatives agreed on sustainable financing for climate actions, especially with security and reporting. Representatives from Belize suggested a need to better understand climate risk and how it affects action planning. The group also discussed the need to have a potential regional platform for reporting GHG and MRV data, and all representatives agreed to make reporting mandatory.

Group 2 was facilitated by Dr. Vintura Silva, with Ms. Edalmi Grijalva of Belize reporting back to the plenary. Ms. Grijalva shared that representatives from Saint Lucia thought that there is a lack of a data management systems in their country; hence, support is needed to assist with data collection and analysis. Representatives from Barbados expressed the need to establish a memorandum of understanding for the parameters that need to be collected. St. Vincent & the Grenadines representatives urged the need for enhanced data collection and storage, and support on how to plan data collection. Grenada representatives conveyed the need to establish guidance on the different data collection frameworks and protocols to establish their domestic institutional arrangements. Lastly, representatives from Belize expressed the need for assistance with capacity building.

8. Meeting Close

The final session was closed with Mr. Wiley Barbour and Mr. Redhead expressing thanks to the respective focal points for their unwavering support to the MRV Hub, and also to the MRV Hub Secretariat for their hard work in preparing this year's virtual annual meeting.

This was followed by closing remarks from Dr. Spencer Thomas, MRV Hub Regional Project Advisor, who gave a detailed overview of what transpired throughout the two-day meeting. He highlighted the key message from the two meeting days, and the needs to be addressed next. The key message was that the MRV Hub needs to transition from a project to an institution that is permanent and sustainable.

Appendices

2021 MRV Hub Annual Meeting Agenda



The Caribbean Cooperative MRV Hub 2021 Annual Meeting

Agenda

23rd to 24th March

Virtual

Meeting Link: [Click Here](#)

Background

The Caribbean Cooperative MRV Hub (<https://ghginstitute.org/ccmrvh/>) is a 5-year project, currently in its second year, designed to foster regional technical excellence and generate stronger policy-relevant carbon accounting among 12 English speaking CARICOM countries. The project is funded by the International Climate Initiative (IKI) of the Federal Ministry for the Environment, Nature Conservation & Nuclear Safety (BMU) of Germany and supported by the implementing partners: Greenhouse Gas Management Institute (GHGMI), Regional Collaboration Centre of the UNFCCC (RCC-STG), UNDP/UNEP Global Support Programme (GSP) with WINDREF taking on the pivotal role as institutional host. The MRV Hub is well into the actualization of its role as a learning and mentoring cooperative for a growing network of regional experts through direct engagement by member countries for support, guidance, and training, capacity building and regional contracts.

Meeting Objective

The third annual meeting of the MRV Hub will provide an opportunity to learn about the current progress and work plans of the MRV Hub; as well as facilitate the exchange of knowledge on climate MRV and transparency among Caribbean stakeholders.

In collaboration with:

Supported by:
Federal Ministry
for the Environment, Nature Conservation
and Nuclear Safety
based on a decision of the German Bundestag



Supported by:



based on a decision of the German Bundestag

In collaboration with



DAY 1 – Tuesday March 23 rd	
8:45 - 9:00	Participant Login
Session 1	Opening & Workshop Objectives
9:00 - 9:10	Welcome, Logistics, Agenda Overview [MRV Hub Secretariat, Hayden Redhead]
9:10 - 9:40 Moderator: Hayden Redhead	Official Opening Remarks <ul style="list-style-type: none"> - MRV Hub Steering Committee Chair [P.S. Roxie Hutchinson] (5 mins) - Welcome from Grenada Country Representative [P.S. Roxie Hutchinson] (10 mins) - Welcome and Remarks from UNFCCC/RCC [Dr. Vintura Silva] (5 mins) - Remarks from MRV Hub Project Director [Wiley Barbour] (10 mins)
9:40 - 9:55	Introduction of Registered Participants [Ahyana Bowen] (15 min)
Session 2	Lessons Learned and Outlook for MRV Hub Work Crews <i>This session will clarify roles and expectations for the MRV Hub work crews and present vision for future work crews</i>
9:55 - 10:10	- Lessons Learned & Outlook for MRV Hub Work Crews [Wiley Barbour] (15 mins)
10:10 - 10:25	Morning Break (15 mins)
Session 3	Presentation of Work Crew Progress and Plans <i>This session will highlight the progress of the individual work crews. Work crew leads will present their current progress and outline next steps in supporting work on specific GHG inventory sectors and topics. Communication plans, opportunities to engage, and timelines will be shared. Country views on future work crews will be elicited and discussed.</i>
10:25 - 11:50 Moderator: Ryan Deosaran	<ul style="list-style-type: none"> - Forestry and Other Land Use Work Crew [Dr. Anup Joshi] (15 mins) - On-Road Mobile Sources Work Crew [Brittany Meighan] (15 mins) - Data Management Systems Work Crew [Dr. Olia Glade/Randyll Pandohie] (15 mins) - Questions and Answers (15 mins) - Survey and Discussion: Country Views on the establishment of future work crews [Ahyana Bowen] (25 mins)
11:50 - 12:50	Lunch (1 hour)
Session 4	Update from Regional Collaboration Centre of the UNFCCC (RCC-STG) and the MRV Hub Modelling & Projections Programme
12:50 - 1:35 Moderator: Wiley Barbour	<ul style="list-style-type: none"> - The MRV Hub Modeling and Projections Programme [Dr. Vintura Silva, RCC-STG Lead] (15 mins) - Training and capacity development for modeling and projections (Dr. Donnie Boodlal) (10 mins) - Q&A Modeling and Projections Programme, suggestions from countries, needs of countries, and existing capacity (20 mins) [Benise Joseph]
1:35 - 1:45	Group Photo (screen shot) and Coffee Break (10 mins)
Session 5	Closing of Meeting Day 1
1:45 - 2:00	<ul style="list-style-type: none"> - Summary of Day 1 and closing remarks [Dr. Spencer Thomas, MRV Hub Regional Advisor] (10 mins) - Closing Logistics [Hayden Redhead] (5 mins)
2:00	Close of Day 1

The Caribbean Cooperative MRV Hub 2021 Annual Meeting Agenda	
DAY 2 – Wednesday March 24 th	
8:45 - 9:00	Participant Login
9:00 - 9:10	Opening Remarks & Recap from Day 1 – [MRV Hub Secretariat, Molly White] (10 mins)
Session 6	Country Specific Work <i>This session will introduce the work the MRV Hub is conducting on a country-by-country basis and how the MRV Hub is coordinating regionally. Country focal points then share their experiences with 3 specific examples of actual country projects with the MRV Hub.</i>
9:10 - 10:20 Moderator: Benise Joseph	<ul style="list-style-type: none"> - Overview & listing of ongoing work [Ryan Deosaran] (10 mins) - Introduction and discussion of The Bahamas Inventory Project (15 mins) - Introduction and discussion of the Saint Lucia Mitigation Project (15 mins) - Introduction and discussion of the Antigua & Barbuda Mitigation Project (15 mins) - Survey, Q&A [15 min]
10:20 - 10:30	Morning Break (10 mins)
Session 7	MRV Hub Operations – Work Plan Update and Vision for the MRV Hub <i>This session will update participants on the MRV Hub's operational model and expected outputs in 2021. We will also discuss the vision of building a sustainable institution in the region.</i>
10:30 - 11:40 Moderator: Brittany Meighan	<ul style="list-style-type: none"> - Secretariat Update: Results and Plans for 2021 [Hayden Redhead] (15 mins) - Summer Academy: 2020 (Results) / 2021 (Plans) [Molly White] (15 mins) - MRV Hub 2021 work plan & vision for institutional sustainability [Wiley Barbour] (20 mins) - Q&A and discussion (20 min)
11:40 - 12:40	Lunch (1 hour)
Session 8	Country Focal Points/MRV Hub Planning Session – Invitation Only <i>This session will facilitate discussions between Country Representatives and the MRV Hub to better understand upcoming country needs (by invitation only).</i>
12:40 - 13:45	<ul style="list-style-type: none"> - Introduce rooms and instructions for joining [Hayden Redhead] (5 mins) - <u>Room 1</u>: Sharing of upcoming MRV Hub member country project needs and potential synergies with MRV Hub capacity/experience [Country Representatives – Group 1] [Facilitator: Ryan Deosaran] (40 min) - <u>Room 2</u>: Sharing of upcoming MRV Hub member country project needs and potential synergies with MRV Hub capacity/experience [Country Representatives – Group 2] [Facilitator: Dr. Vintura Silva] (40 min) - Breakout groups report back to plenary (20 mins)
Session 9	Closing of Meeting Day 2
13:45 - 14:00	<ul style="list-style-type: none"> - Country Focal Point recognition and remarks [TBC, Steering Committee Appointee] - Closing remarks [MRV Hub Regional Project Advisor, Amb. Spencer Thomas]
2:00	Close of Day 2

2021 MRV Hub Annual Meeting Attendees

	Title	First Name	Last Name	Country/Organization	Role/ MRV Hub Reference
Hub Member Country Focal Points and Country Representatives					
1	Mr.	Oraine	Nurse	Antigua & Barbuda	Presenter - Session 6
2	MS	Aaliyah	Tuitt	Antigua & Barbuda / Department of Environment	Country Representative
3	Ms.	Ayana	Griffith	Antigua & Barbuda / Department of Environment	Country Representative
4	Mr.	Ron	Goodridge	Barbados	Country Representative
5	Mr.	Kareem	Reynolds	Belize	Country Representative
6	Mr.	Edalmi	Grijalva	Belize / National Climate Change Office	Country Representative
7	Mr.	Edgar	Hunter	Dominica	Country Representative
8	Mr.	Chris	Joseph	Grenada / Ministry of Tourism, Civil Aviation, Climate Resilience & the Environment	Country Representative
9	Ms.	Adiola	Walcott	Guyana / Department of Environment & Climate Change	Country Representative
10	Mr.	Omar	Alcock	Jamaica	Country Representative
11	Ms.	UnaMay	Gordon	Jamaica	MRV Hub Focal Point
12	Ms.	Ajani	Alleyne	Jamaica / Climate Change Division	Country Representative
13	Mr.	Schmoi	McLean	Jamaica / Climate Change Division	Country Representative
14	Ms.	Jermaine	Descartes	Saint Lucia	Country Representative
15	Mr.	Kurt	Inglis	Saint Lucia	Presenter - Session 6
16	Ms.	Nyasha	Hamilton	St Vincent & the Grenadines / Sustainable Development Unit	Country Representative
17	Ms.	Cheryl	Jeffers	St. Kitts & Nevis	Country Representative
18	Ms.	June	Hughes	St. Kitts & Nevis	MRV Hub Focal Point
19	Mr.	Derionne	Edmeade	St. Kitts & Nevis	Country Representative
20	Ms.	Janeel	Miller-Findlay	St. Vincent & the Grenadines	MRV Hub Focal Point
21	Mr.	Charles	Hamilton	The Bahamas / Department of Environmental Planning & Protection	Presenter - Session 6

22	Ms. Larissa Cartwright	The Bahamas / Department of Environmental Planning & Protection	Country Representative
23	Ms. Cindy Singh	Trinidad & Tobago	Country Representative
24	Mr. Kishan Kumarsingh	Trinidad & Tobago	MRV Hub Focal Point

Steering Committee Members

25	Dr Michael Gillenwater	GHGMI	MRV Hub Steering Committee Member
26	P.S. Roxie McLeish-Hutchinson	Grenada	MRV Hub Steering Committee Member
27	Ms. Tracy Smith	Guyana	MRV Hub Focal Point / Steering Committee Member
28	Dr Vintura Silva	RCC-St. George's (Grenada) - Team Lead	MRV Hub Steering Committee Member
29	Ms. Samantha Justin	Saint Lucia	MRV Hub Focal Point / Steering Committee Member
30	Mr. Damiano Borgogno	UNDP (Turkey)	MRV Hub Steering Committee Member

Organizational Partners

31	Dr	Anup Joshi	GHGMI	Staff
32	Ms.	Katie Goldman	GHGMI	Staff
33	Ms.	Molly White	GHGMI	Staff
34	Ms.	Sina Wartmann	GHGMI	Staff
35	Mr.	Tani Colbert-Sangree	GHGMI	Staff
36	Mr.	Wiley Barbour	GHGMI	Project Director
37	Mr.	Ryan Deosaran	GHGMI (Trinidad & Tobago)	Presenter - Session 6
38	Mr.	Matej Gasperic	GHGMI	Staff
39	Mr.	Randyll Pandohie	GHGMI (Trinidad & Tobago)	Presenter - Session 3
40	Ms.	Brittany Meighan	GHGMI (Belize)	Presenter - Session 7 / MRV Hub Program Associate
				Presenter - Session 6 / MRV Hub Program Associate
41	Ms.	Benise Joseph	GHGMI (Saint Lucia)	Associate
42	Ms.	Alissa Benchimol	GHGMI (USA)	Staff
43	Ms.	Beth Pottridge	GHGMI (USA)	Staff
44	Ms.	Ama Boateng	RCC-St. George's (Grenada)	Guest
45	Ms.	Camilla Piviali	UNEP (France)	Guest
46	Mr.	Per Writlind	UNEP-DTU	Guest
47	Dr	Lindy Charlery	UNEP-DTU (Denmark)	Guest
48	MR	Jigme	UNFCCC	Guest
49	Mr.	Jongho Suh	UNFCCC/RCC (Grenada)	Guest

MRV Hub Staff

50	Dr	Spencer Thomas	MRV Hub (Grenada), Project Advisor	Presenter - Session 5 & 6
51	Ms.	Ahyana Bowen	MRV Hub (Grenada), Technical Support Associate	Presenter - Session 3 / MRV Hub Secretariat
52	Mr.	Hayden Redhead	MRV Hub (Grenada), Project Coordinator	Presenter - Session 3 / MRV Hub Secretariat
53	Mr.	Quincy Augustine	MRV Hub (Grenada), Project Support Staff	MRV Hub Secretariat

Other Guests

54	Ms.	Ruenna	Haynes	Climate Analytics	GHGMI Board Member
55	Dr	Kristin	Deason	GGGI	Guest
56	Mr.	Curllan	Bhola	GIZ (Grenada)	Guest
57	Mr.	Marion	Geiss	GIZ (Grenada)	Guest
58	Dr	Donnie	Boodlal	Independent Consultant (Trinidad)	Presenter - Session 4
59	Mr.	Carlos	Matias Figueroa	México / GGGI	Guest
60	Ms.	Shanna	Emmanuel	OECS (Saint Lucia)	Guest
61	Ms.	Ria	Jharap	Suriname	Guest
62	Mr.	Cayetano	Casado	USA / NDC Partnership	Guest
63	Ms.	Leena	Wokeck		Guest
64	Ms.	Vicia	Woods		Guest

Figures

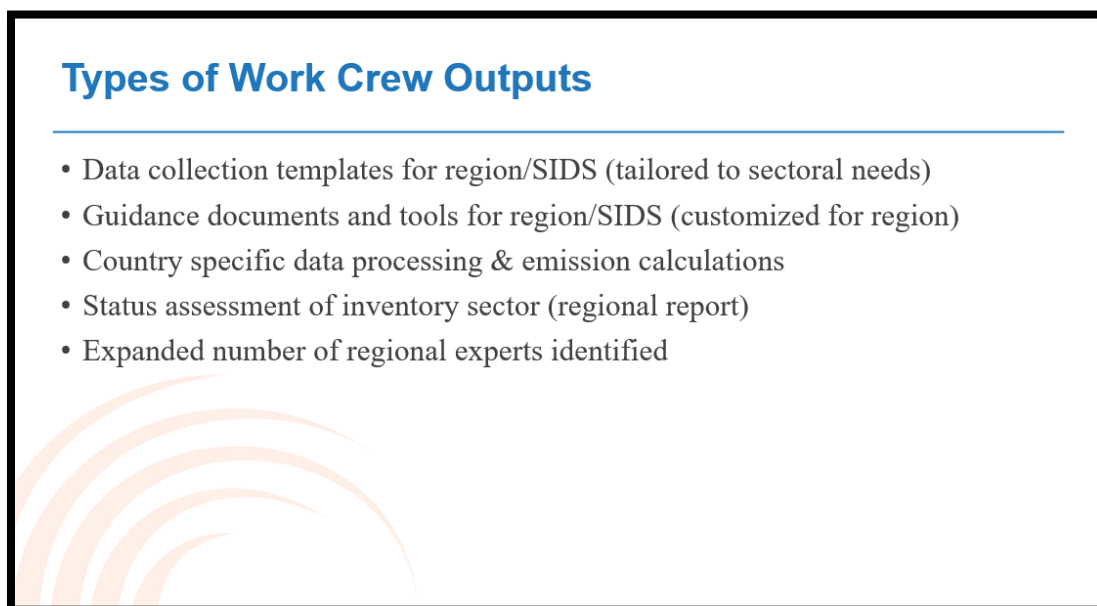


Figure 1: Project Director, Mr. Wiley Barbour highlighted 5 different types of work crew outputs

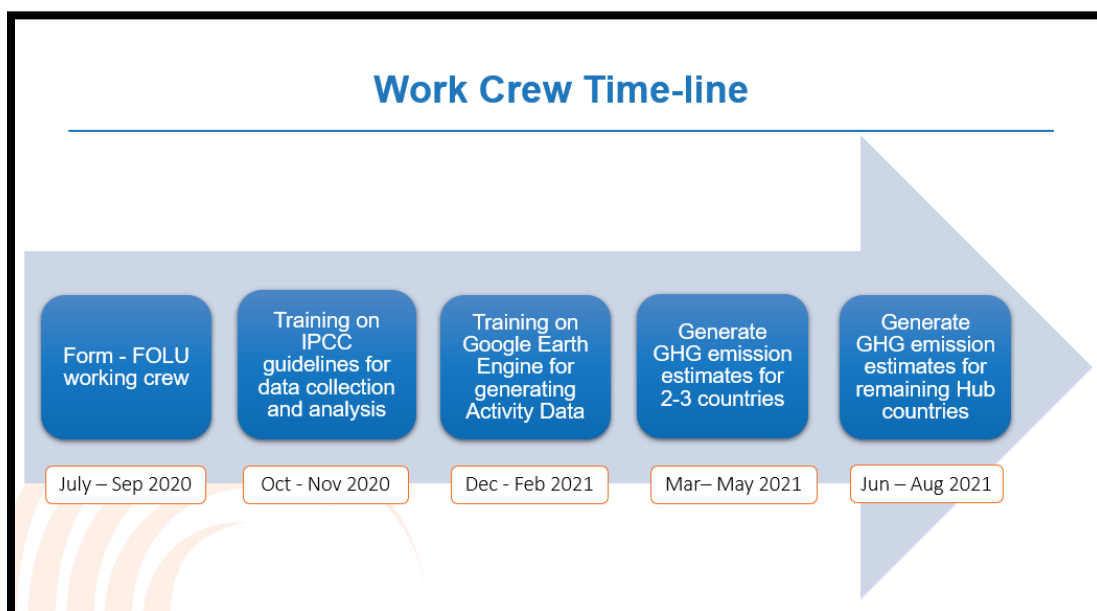


Figure 2 Work Crew Timeline from Dr. Anup Joshi's presentation. Dr. Joshi explained the success of the Training on Google Earth engine for generating Activity Data. The next activity on the agenda will be to generate GHG emission estimates for 2-3 countries within the months of March-May 2021

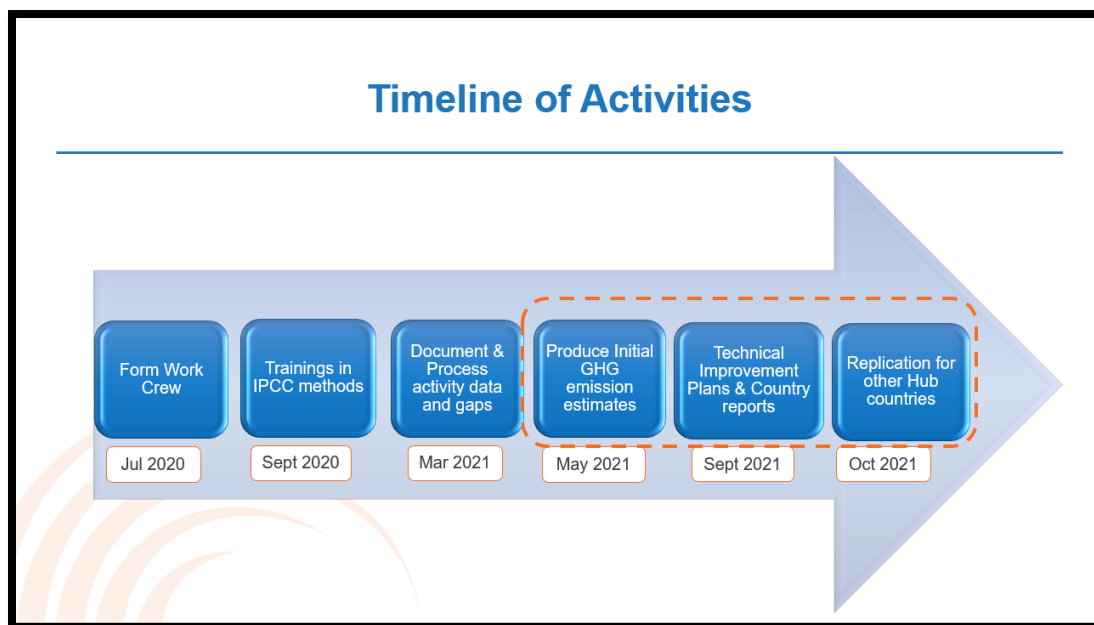


Figure 3 Ms. Brittany Meighan addressed 3 upcoming activities on the timeline. These are to produce initial GHG emission estimates, technical improvement plans & country reports and replication for other hub countries. Each activity will occur from May to October 2021

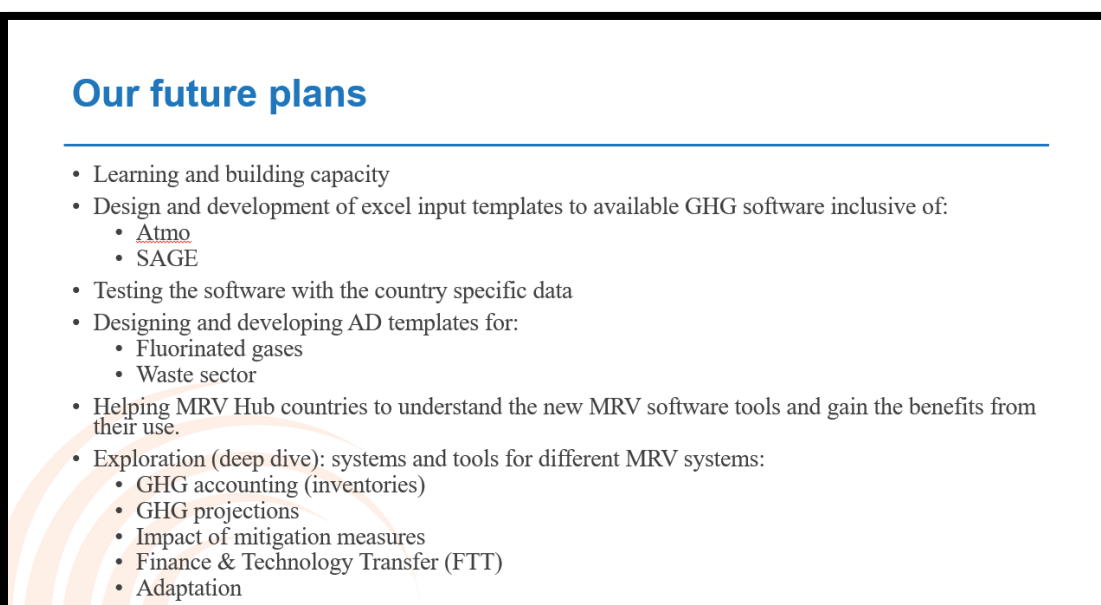


Figure 4 Dr. Olia Glade/Randyll Pandohie outlined key future plans for the DMS work crews

Takeaways from Country Engagements

- More in-depth knowledge of varying national circumstances for the MRV Hub to adapt its workplan to the needs of member countries
- New Regional Guidance Documents (data collection and QA/QC)
- Potential new topics for Work Crews
- Countries can now go to Work Crews for Guidance
- Roster of Experts
- Institutionalising technical capacity for Governments/Coordinating Entities

Figure 5 Six (6) takeaways were highlighted by Programme Officer, MR. Ryan Deosaran in his presentation on the MRV Hub's country specific work

The Bahamas MRV System Project – Main Outputs

- **Output 4.5:** MRV System Assessment & Roadmap for The Bahamas to support its future design, set-up, and operationalization
- **Output 4.7:** Produce MRV Assessment Report, MRV System Roadmap Report, MRV Chapter for BUR1, Support Received Chapter for BUR1
- **Output 4.8:** Lead the national training workshop on the validated MRV system roadmap, and provide recommendation

Tracking and improving the implementation of national mitigation, climate finance/support, and adaptation goals and policies, according to the Paris Agreement ETF

Figure 6 In Mr. Charles Hamilton presentation on The Bahamas MRV System Project, three (3) main outputs were outlined

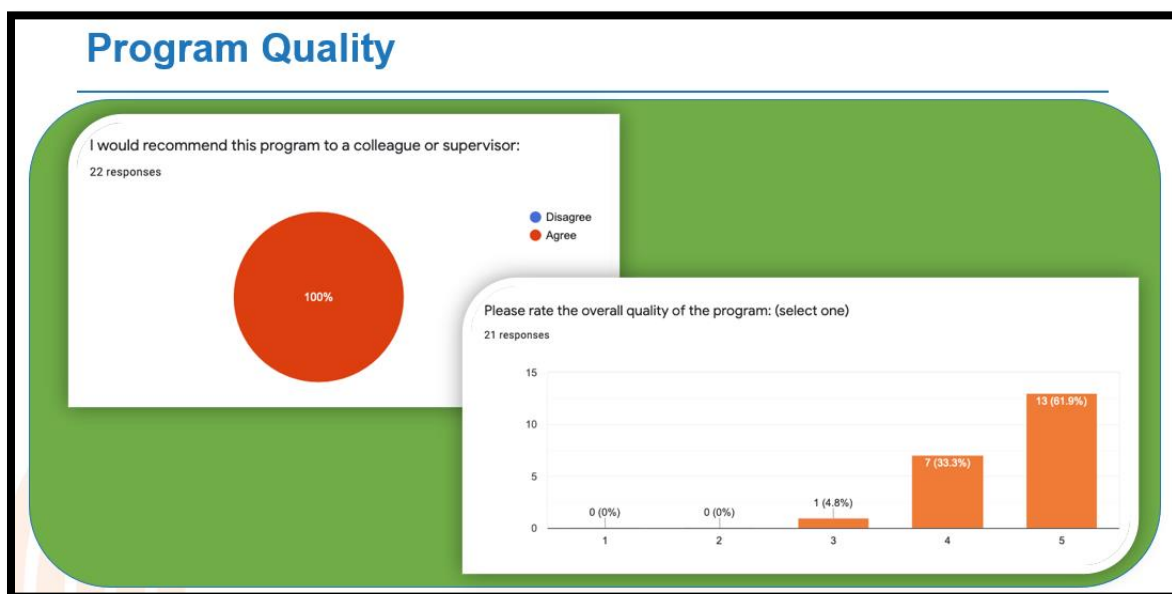


Figure 7: Ms. Molly White presented on the successful Summer Academy that occurred in 2020. From the poll questions, participants 100% agreed that they would recommend the Summer Program to a colleague or supervisor

Work plan overview for 2021

- Multi-country working & training sessions (remote /online)
- Collaborative progress through Work Crews (remote /online)
- Tools, templates, demos, regionally appropriate guidance documents
- 2021 Summer Academy (remote /online) (In-person capstone event possible?)
- Country-specific support under the IKI grant
- Country-specific engagements (inventory/mitigation analysis/MRV system)

Figure 8 From the final presentations, Project Director, Mr. Wiley Barbour highlighted the MRV Hub's work plans for 2021

Vision for institutional sustainability

- The MRV Hub is currently a program developed under the IKI grant
- Continue relationships with GHGMI, WINDREF and RCC-STG
- Pursue diversified sources of income (grants, contracts, other)
- Secure new work assignments under contracts that can be transferred to the new non-profit entity
- Continue to selectively hire staff in the region to begin work at the MRV Hub, and build their expertise through on-the-job training
- Create a new nonprofit organization under applicable laws
- Transfer staff, contracts and MOUs to the new entity and launch in 2023

Figure 9 Project Director, Mr. Wiley Barbour highlighted the MRV Hub's vision for institutional sustainability

- Do the current activities and proposed plans of the MRV Hub meet your country's near-term priorities?
- What guidance/assistance/tools should the MRV Hub prioritise based on your country's needs?
- What keeps you up at night? What is your biggest worry?

Figure 10 Using the questions above during the breakout room session, country representatives and the MRV Hub team were engaged in discussions to better understand the MRV Hub Member Countries' needs

Mentimeter Outputs

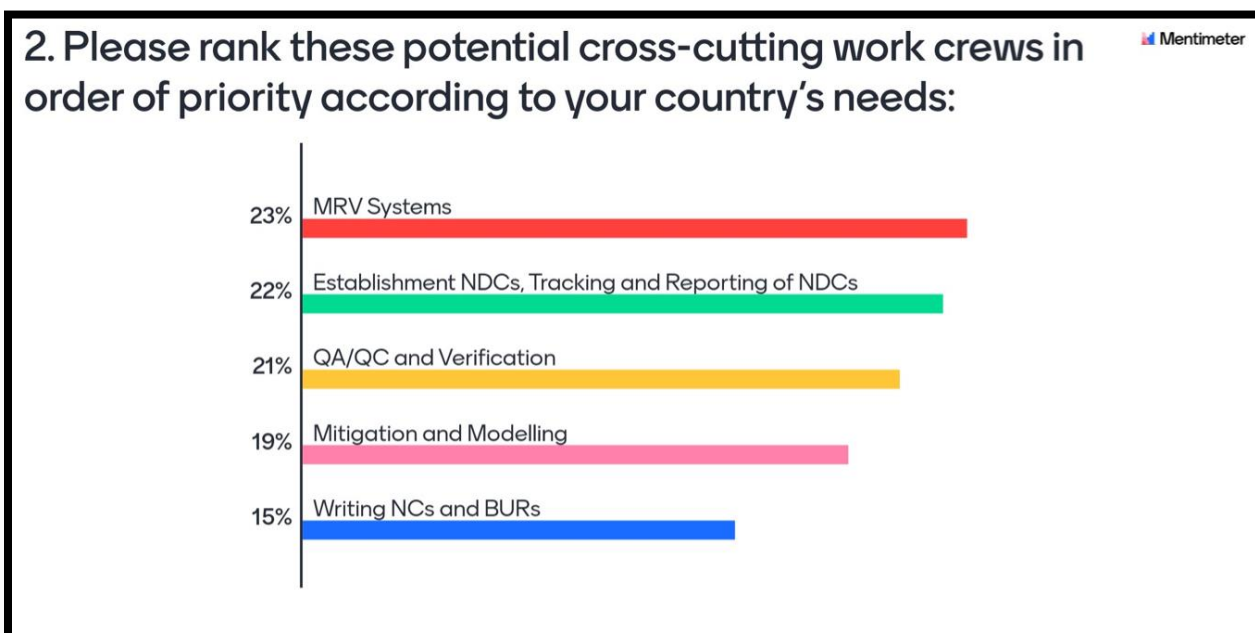


Figure 11: 2021 MRV Hub Annual Meeting, Day 1, Session 3, Survey and Discussion: Country views on the establishment of future work crews, Presenter Ms. Ahyana Bowen, Question 2

3. What are some other country topical issues that can be addressed through the Hub work crew capacity building?

Mentimeter



Figure 12: 2021 MRV Hub Annual Meeting, Day 1, Session 3, Survey and Discussion: Country views on the establishment of future work crews, Presenter Ms. Ahyana Bowen, Question 3

4. Are there other areas that require focus that have not yet been mentioned?

Mentimeter

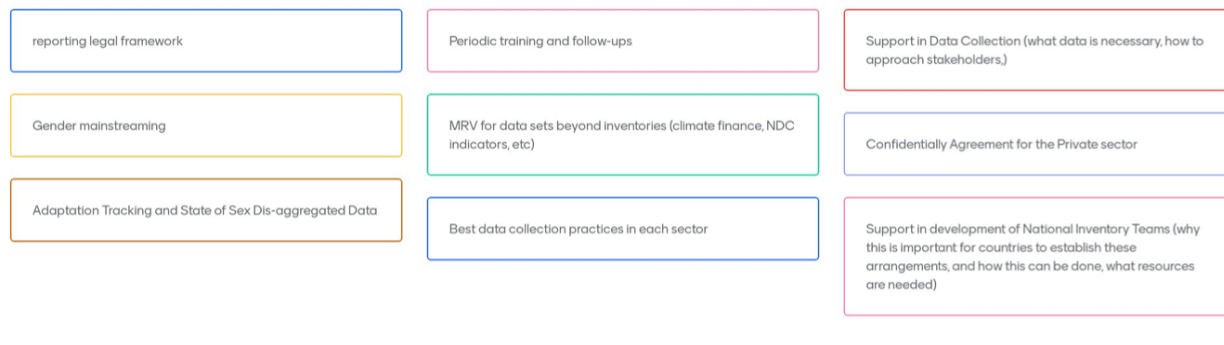


Figure 13: 2021 MRV Hub Annual Meeting, Day 1, Session 3, Survey and Discussion: Country views on the establishment of future work crews, Presenter Ms. Ahyana Bowen, Question 4a



Figure 14: 2021 MRV Hub Annual Meeting, Day 1, Session 3, Survey and Discussion: Country views on the establishment of future work crews, Presenter Ms. Ahyana Bowen, Question 4b

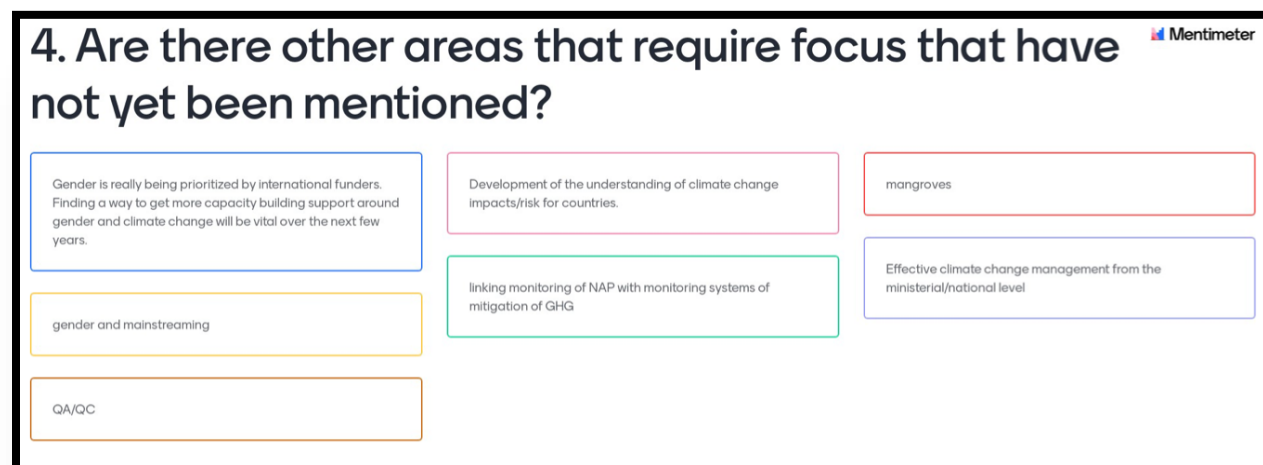


Figure 15: 2021 MRV Hub Annual Meeting, Day 1, Session 3, Survey and Discussion: Country views on the establishment of future work crews, Presenter Ms. Ahyana Bowen, Question 4c

What sectors would you recommend to be modeled in more detail?

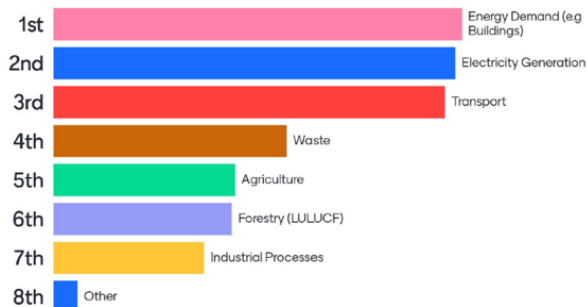


Figure 16: 2021 MRV Hub Annual Meeting, Day 2, Session 6, Introduction and Discussion of the Antigua & Barbuda Mitigation Project, Presenter Mr Oraine, Mentimeter Poll Question 1

If you had to pick only one time frame for this analysis/modelling, which one would you choose?

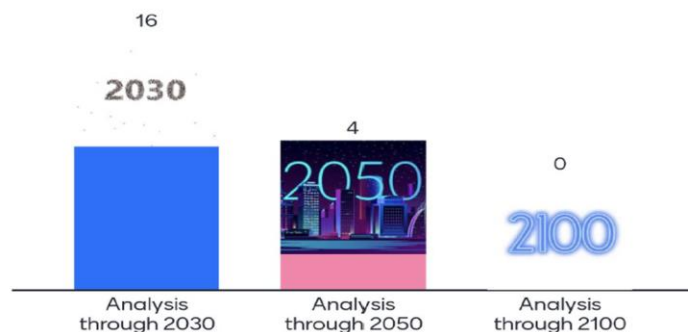


Figure 17: 2021 MRV Hub Annual Meeting, Day 2, Session 6, Introduction and Discussion of the Antigua & Barbuda Mitigation Project, Presenter Mr Oraine, Mentimeter Poll Question 2

What other Sustainable Development impacts should be analysed in addition to GHGs?



Figure 18: 2021 MRV Hub Annual Meeting, Day 2, Session 6, Introduction and Discussion of the Antigua & Barbuda Mitigation Project, Presenter Mr Oraine, Mentimeter Poll Question 3

Which of the following, in your opinion, is the highest priority for Antigua and Barbuda?



Figure 19: 2021 MRV Hub Annual Meeting, Day 2, Session 6, Introduction and Discussion of the Antigua & Barbuda Mitigation Project, Presenter Mr Oraine, Mentimeter Poll Question 4