

Workshop on National GHG Inventory Preparation and Reporting under the ETF: Agriculture, IPPU and Waste Sector

-- Onsite Training --

Date: 16 – 18 April, 2024 | Time: 8:00 - to 16:30 | Venue: Orchid Bay Resort, Burrel Boom, Belize

Co-organized by the Capacity Building Initiative for Transparency - Global Support Programme (CBIT-GSP), Initiative of Climate Action for Transparency (ICAT), and the National Climate Change Office (NCCO), Belize

Background

Reporting of results of national GHG inventories transparently is a key requirement under the Paris Agreement's Enhanced Transparency Framework (ETF). It comprises detailed planning work on how to use quantitative and qualitative information to estimate in a transparent, accurate, complete, comparable and consistent manner the GHG emissions and removals that occur in the country. The MPGs, formulated to implement transparency in reporting under the Paris Agreement, defined new specific requirements for reporting the results of national GHG inventories. As such, information on national GHG inventory results should be included in a specific chapter (Chapter I) of the Biennial Transparency Report (BTR) and supporting information should be included in the annexes. In addition, all Parties must provide a national inventory report (NIR), consisting of a national inventory document (NID) and common reporting tables (CRT), to the UNFCCC as part of each Party's BTR submission process.

A large number of countries now count with the skills to prepare national GHG inventories, cultivated as part of the formulation of their previous National Communications and Biennial Update Reports (BUR). Some of them, as part of the process of preparing their BTR, have already started the work of updating their current inventories. However, the task of reporting on the associated processes that lead to the development of inventories, and using the new formats are also key aspects to ensure that countries comply with the transparency conditions established in the Article 13 and can become a challenge for the countries without the knowledge and tools to meet these requirements.

This training is a collaboration between the *Capacity Building Initiative for Transparency - Global Support Programme (CBIT-GSP)* and *The Initiative of Climate Action for Transparency (ICAT)* to provide streamlined support and capacity-building at the national level in responding to the reporting provisions under the UNFCCC and the Paris Agreement's Enhanced Transparency Framework, and ultimately increase ambition for climate action. Participants are invited to take part in training workshop aimed at improving capacities of the national teams for preparation and reporting the national GHG inventory under the Modalities, Procedures and Guidelines (MPGs) of the ETF, which was assessed as one of the priorities on capacity building for transparency for Belize. The event will be hosted by the Government Belize, and held in Burrel Boom

Objectives and purpose of the training

The primary objectives of this training session are to **support the country teams** in charge of reporting the results of the National GHG Inventory process with a comprehensive understanding of the 2006 IPCC Guidelines for National Greenhouse Gas Inventory (GHGI), **following the considerations indicated in the MPGs.**

Specific Objectives:

- Provide these national inventory teams with useful information and international experiences to facilitate their reporting to the UNFCCC following the ETF under the Paris Agreement.
- Provide an overview of the fundamental principles, methodologies, and reporting requirements outlined in these IPCC 2006 guidelines, with a specific focus on their practical application within the **Agriculture, IPPU** and **Waste** sectors.
- Equip participants with the knowledge and insights necessary to actively contribute to accurate measurement and reporting of greenhouse gas emissions, fostering a deeper understanding of sustainability practices in these critical sectors.

Methodology and approach

The training focused on hands-on training of the Belize experts on methodologies for the estimation of GHGs emissions in different sectors. The following sections describe the main activities conducted, topics discussed and results to achieved for energy and waste IPCC GHG inventory sectors.

This session will be divided into four modules: The Crosscutting module will provide an overview of general requirements for reporting National GHG Inventories by the IPCC 2006 guidelines, as well as key aspects to comply with transparency conditions established in MPGs for preparing countries' first BTR.

The other modules include sector specific sessions in the **Agriculture, IPPU, and Waste sectors** based on the capacity needs of the country. In each of the sessions, a presentation will be delivered to explain the key concepts and to discuss methodologies which will be used to estimate emissions using different methodological tier approaches. Moreover, sources of data, QA/QC, and sources of uncertainty in each of these sectors will be discussed, followed by exercises using country specific circumstances.

Audience

This training is intended for technical officers who work as coordinators of the national GHG inventory and sectorial coordinators of the inventory. This includes government staff at the national and sectoral levels, and staff from other institutions that are part of countries' institutional arrangements for reporting inventories under the UNFCCC and the Paris Agreement.

Training Agenda

Time	Activity	Speaker
Day 01 - 16/04/2024 (Crosscutting)		
8:45 – 9:00	Registration	
9:00 - 9:15	Opening session and welcoming remarks	NCCO Ministry of Sustainable Development, Climate Change, and Disaster Risk Management
9:15 - 9:30	Introductions, Purpose and Objectives for the next 3 days	Brittany Meighan Rancharan, CBIT-GSP
9:30 - 10:00	Presentation: Introduction to the Provisions of the ETF & MPGs, new requirements for Biennial Transparency Reports (BTR) and reporting national GHG inventories under the Paris Agreement and associated flexibility provisions. Presentation of contents of the Common Reporting Table (CRT)	Brittany Meighan Rancharan, CBIT-GSP
10:00 – 10:15	Q&A and sharing of opinions	Facilitator
10:15 - 10:35	Coffee Break	
10:35 - 10:50	Exercise: applying different flexibility provisions for developing countries (tables and text).	Brittany Meighan Rancharan, CBIT-GSP
10:50 – 11:05	Presentation: GHG Inventory Linkages to National Agenda <ul style="list-style-type: none"> - Linkage to upcoming projects (BTR, REDD+, CBIT) - Legal Arrangements 	Kamil Salazar, NCCO
11:05 - 11:20	Presentation: BTR status, plans for preparation of National GHG Inventory for BTR, Challenges in preparing GHG Inventory under the ETF (NID/BTR) compared with the MRV (BUR), Institutional Arrangements	Brittany Meighan Rancharan, CBIT-GSP
11:20 – 12:00	Exercise on BTR Planning Tool	All Participants
12:00 – 13:00	Lunch Break	
13:00 - 14:00	Presentation on IPCC National GHGI Reporting and Guidelines: <ol style="list-style-type: none"> a) Approaches to Data Collection, Existing data management system, gaps, and suggestions b) Uncertainty analysis c) Methodological Choice and Identification of Key Categories Followed by Q&A session	CBIT-GSP
14:00 – 15:00	Presentation on IPCC National GHGI Reporting and Guidelines:	CBIT-GSP

	<p>d) Time Series Consistency including splicing techniques (Including practical exercise)</p> <p>e) Quality Assurance/Quality Control and Verification</p> <p>f) Reporting Guidance and Tables</p> <p>g) Recalculation</p> <p>Followed by Q&A session</p>	
15:00 - 15:20	Coffee Break	
15:20 – 16:00	<p>Tools and Software for Reporting</p> <ul style="list-style-type: none"> • Introduction to the tools and software available for facilitating reporting. • Live demo of the IPCC Inventory software tool • Information on UNFCCC ETF Reporting Tool 	CBIT-GSP
16:00 - 16:15	Closing remarks and expectations for following workshop days	Organizers and Host Country
Day 02 - 17/04/2024 (Agriculture & IPPU Sector)		
8:45 - 09:00	Registration, Recap Day 1 and Agenda for Day 2	Facilitator
9:00 – 9:10	Introduction to the Agriculture Sector	CBIT-GSP
09:10 – 9:25	Overview of Belize’s Agriculture GHG Inventory	Host Country
9:25 – 10:15	<p>Agriculture Sector</p> <p>Methodological overview for the Agriculture sector</p> <p>Livestock-related emission sources, data collection</p>	CBIT-GSP
10:15 - 10:30	Coffee Break	
10:30 – 11:15	Soil and crop-related emission sources, data collection, and estimation methods	CBIT-GSP
11:15 - 12:00	Agriculture Data Exercise with Belize’s GHG Inventory	CBIT-GSP
12:00 - 13:00	Lunch Break	
13:00 – 13:15	Overview of Belize’s IPPU GHG Inventory	Host Country
13:15 – 14:15	<p>IPPU Sector Overview</p> <p>Mineral Industry: Cement, Lime, Glass, Use of Carbonates</p>	CBIT-GSP
14:15 – 14:45	Non-Energy Products from Fuels and Solvent Use: Lubricant, Paraffin, Solvent Use, Other	CBIT-GSP
14:45 - 15:00	Coffee Break	
15:00 - 16:00	Product Uses as Substitutes for Ozone Depleting Substances: Refrigeration and Air Conditioning, Foam Blowing Agents, Fire Protection, Aerosols, Solvents, Other Applications	CBIT-GSP
16:00 – 16:15	Discussion and wrapping up	Organizers and Host country
Day 03 - 19/03/2024 (Waste Sector)		
8:45 - 09:00	Registration, Recap Day 2 and Agenda for Day 3	Facilitator
09:00 - 09:15	General Overview of Waste Sector	CBIT-GSP

09:15 - 09:30	Overview of Belize's Waste Sector GHG Inventory	Host Country
9:30 - 10:30	Waste Generation and Management Data, Waste composition data Followed by Q&A session	CBIT-GSP
10:30 – 10:45	Coffee Break	
10: 45 – 12:00	Solid Waste Disposal: Managed and Unmanaged Incineration and Open Burning Followed by Q&A session & Exercise	CBIT-GSP
12:00 - 13:00	Lunch Break	
13:00 - 14:00	Knowledge Check Exercise	CBIT-GSP
14:00 - 14:45	GHG Inventory Team Planning Session	NCCO + Sector Leads
14:45 – 15:00	Coffee Break	
15:00 - 15:15	Main learnings and evaluation of the event – next steps	Organizers and Host Country
15:15- 16:00	Closing of the Session	Organizers and Host Country
