

# Technical Assistance on Implementing 2006 IPCC Guidelines and IPCC Inventory Software in Suriname: Enhancing National GHG Emissions Estimation Capacity

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--Virtual Training --

**Date: October 14– November 1, 2024**

**Supported by Capacity Building Initiative for Transparency - Global  
Support Programme (CBIT-GSP)**

## Background

Greenhouse Gas (GHG) inventories offer valuable insights into the emissions and removals of GHG from various sources and sinks in the different sectors of the economy. Countries that are parties to the United Nations Framework Convention on Climate Change (UNFCCC) and also the Paris Agreement must regularly submit their GHG inventories. From 2024 onwards, countries have to submit the Biennial Transparency Report (BTR) and one of the mandatory elements is the national inventory report, including the national GHG inventory document (NID) and common reporting tables.

For preparing and reporting national GHG inventories for the BTR, countries must use the 2006 Intergovernmental Panel on Climate Change (IPCC) 2006 guidelines and the adopted common reporting tables (CRT), as prescribed by the relevant CMA decisions (dec. 18/CMA.1, 5/CMA.3). Furthermore, to improve GHG inventories over time, countries need to have a deep understanding of the importance of various components involved in the preparation and management of a GHG inventory, such as data collection and management (e.g. archiving), quality assurance and quality control (QA/QC), verification, key category analysis, recalculation and uncertainty assessment, and improvement planning.

Suriname has recently completed its Third National Communication (3NC) in 2023 which included a national greenhouse gas (GHG) inventory covering the period 2000-2017. With the upcoming submission of its first Biennial Transparency Report (BTR) in December 2024, Suriname is aiming to update its GHG inventory to include data from 2018 to 2022.

To meet this deadline, Suriname's Climate Change Directorate, in collaboration with relevant sectoral departments, will undertake the task of compiling and reporting the GHG inventory. The Forestry Department will independently complete the Forest and Other Land Use (FOLU) sector inventory and prepare Suriname's Forest Reference Emission Level (FREL) which should be submitted along with its 1BTR. The need for targeted support and training has been

identified to ensure that the inventory meets the requirements under the Paris Agreement's Enhanced Transparency Framework (ETF).

The Capacity Building Initiative for Transparency – Global Support Programme (CBIT-GSP) will provide this support virtually, guiding Suriname's national team through the inventory development process. This support will focus on developing a robust and accurate GHG inventory, ensuring that the country meets its reporting obligations under the Enhanced Transparency Framework (ETF) of the Paris Agreement.

## **Objectives and purpose of the training**

The primary objectives of this training workshop are to provide participants with a comprehensive understanding of the 2006 IPCC Guidelines for National Greenhouse Gas Inventory in all Sectors. Participants will explore the fundamental principles, methodologies, and reporting requirements outlined in these guidelines, with a specific focus on their practical application.

The workshop aims to equip participants with the knowledge and insights necessary to actively contribute to accurate measurement and reporting of greenhouse gas emissions.

The support will be delivered through a series of virtual sessions, empowering the national team to complete the inventory with ongoing guidance from CBIT-GSP experts.

### **Specific objectives:**

- Equip participants with a deeper understanding of the IPCC 2006 guidelines for GHG inventory across five sectors.
- Familiarize participants with the Biennial Transparency Report requirements under the Paris Agreement and its Enhanced Transparency Framework (ETF).
- Guide participants in developing a comprehensive national inventory document and offer practical training on how to effectively employ the common reporting table for reporting.
- Exchange experiences and lessons learned, corresponding to the application of IPCC and UNFCCC tools and systems for reporting inventory data with ETF provisions.

## **Scope of Work**

The support will be structured around the following key components:

### **1. Initial Assessment and Planning:**

- Conduct an initial assessment of Suriname's existing data, capacity, and institutional framework for GHG inventory development.

- Develop a detailed work plan, including timelines, responsibilities, and key milestones, to ensure timely completion of the inventory.

## **2. Capacity Building and Training:**

- Provide targeted virtual training sessions on GHG inventory methodologies, data collection, and reporting standards aligned with the IPCC guidelines.
- Equip the national team with the skills needed to use relevant IPCC 2006 software for compiling their inventory, and using Common Reporting Tables (CRTs) to present their results in their National Inventory Document (NID)

## **3. Data Collection and Management:**

- Guide the national team in identifying and collecting necessary data from relevant sectors, including energy, waste, and industrial processes and product use (IPPU).
- Support the establishment of data management systems to ensure consistency, transparency, and accuracy in GHG data handling.

## **4. Inventory Compilation and Reporting:**

- Guide and assist the national team in compiling the GHG inventory, ensuring that all key sources and sinks are accounted for the years 2018-2022
- Review and provide feedback on draft inventory reports to ensure they meet UNFCCC standards and guidelines.

## **5. Quality Assurance and Finalization:**

- Conduct quality assurance checks on the final GHG inventory to identify and address any gaps or inconsistencies.
- Support the finalization of the inventory for inclusion in Suriname's 1st BUR.

## **Roles and Responsibilities**

### **CBIT-GSP Programme:**

- Provide expert guidance and technical support through virtual sessions.
- Develop training materials and resources tailored to Suriname's needs.
- Conduct regular check-ins and reviews to monitor progress and provide feedback.

### **Suriname National Team:**

- Lead data collection and inventory compilation efforts with guidance from CBIT-GSP experts.

- Participate actively in all training sessions and capacity-building activities.
- Ensure timely completion of tasks according to the agreed work plan.

**Participants:** Key ministries’ climate change focal points and Inventory/ MRV experts.

## Training Agenda

**Time: 12:00 – 14:00 Suriname time /each session**

Date	Session	Objective	Duration	Participants
October 14, 2024	Session 1 & 2: Overview of GHG inventory process & Energy Sector	Overview of GHG inventory process, NID, CTF tables.  Basics of IPCC software  Introduction to data input, emission factor selection, and reporting for the Energy sector.	3 hrs	CBIT-GSP, National inventory team and Energy Sector Experts
October 22, 2024	Session 3: Waste Sector Training	Data input, methodologies, and reporting for the Waste sector.	2.5 hrs	Waste Sector Experts
October 28, 2024	Session 4: IPPU Sector Training	Data collection, input, and methodologies for the IPPU sector.	2 hrs	IPPU Sector Experts
November 1, 2024	Session 5: Inventory Presentation and QA/QC Review	Country team presents the compiled inventory (2018-2023) and methods used, followed by QA/QC review.	2 hrs	National stakeholders involved in validation/review of National reports