



MEMORANDUM

TO : **The Assistant Secretary for Field Operations - Luzon and Visayas and Concurrent Director**
Environmental Management Bureau

All Regional Directors
EMB Regional Offices

The Director
Human Resource Development Service

The Director
Policy and Planning Service

The Director
Foreign Assisted and Special Projects Service

FROM : **The Undersecretary**
Finance, Information Systems, and Climate Change

SUBJECT : **PARTICIPATION TO THE TRAINING ON 2006 IPCC GUIDELINES FOR PREPARING NATIONAL GHG INVENTORY: ENERGY, IPPU AND WASTE SECTORS ON 18 - 22 MARCH 2024 IN REGION 3**

DATE : 07 March 2024

This refers to the Training on the 2006 IPCC Guidelines for Preparing National GHG Inventory: Energy, Industrial Processes and Product Use (IPPU) and Waste Sector to be held **18 - 22 March 2024 in Region 3**. The Training is co-organized by the Climate Change Service of the Department of Environment and Natural Resources, and the Capacity Building Initiative for Transparency - Global Support Programme (CBIT-GSP).

Following the concluded webinar series on the Training on 2006 IPCC Guidelines for preparing National GHG Inventory: General Reporting and Guidelines held on 13 -16 February 2024, the sectoral trainings are to be conducted to complete the training of the Philippine National Greenhouse Gas Inventory Team in preparation for the 2022 National Greenhouse Gas Inventory Cycle as a major component of the Biennial Transparency Report (BTR) due for submission on 31 December 2024.

The training is focused on providing hands-on training for the lead government agencies identified in Executive Order 174 Institutionalizing the Philippine Greenhouse Gas Inventories Management and Reporting System

(PGHGIMRS) on methodologies for the estimation of greenhouse gas (GHG) emissions in different sectors, with the support of the 2006 IPCC Inventory Software. The primary objective of this training session is to provide participants with a comprehensive understanding of the 2006 IPCC Guidelines for National Greenhouse Gas Inventory (GHGI) in the Energy, IPPU, and Waste Sectors. Participants will explore the fundamental principles, methodologies, and reporting requirements outlined in these guidelines, with a specific focus on their practical application within the unique contexts of energy, industry and waste management.

The session aims to 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.

International and national experts have been invited to serve as resource persons, facilitate discussions and hands-on training exercises throughout the event.

In line with this, may we request the following representatives from EMB Central, the DENR Central Office and EMB Regional Offices, preferably involved in the data collection and has participated in previous GHG Inventory trainings and capacity building activities:

- a. Environmental Management Bureau (EMB)
 - i. Solid Waste Management Division (2 representatives)
 - ii. Policy, Planning, and Program Development Division (2 representatives)
 - iii. Philippine Ozone Desk (1 representative)
 - iv. Environmental Quality Management Division (4 representatives - 1 per Section)
- b. EMB Regional Offices
2 representatives per Region:
 - 1 Solid Waste Management Focal Person
 - 1 Climate Change Focal Person
- c. Training and Development Division (1 representative)
- d. Policy and Planning Service (1 representative)
- e. Foreign Assisted and Special Projects Service (2 representatives)

For registration of the participants to the training, kindly register via this link: <https://forms.gle/XsFTZBELvjh5SQ2TA>. Attached is the Provisional Program¹ for the training. For queries, kindly email ccitsd@denr.gov.ph, copying sgrecabar@denr.gov.ph, lcsilva@denr.gov.ph, roabadjr@denr.gov.ph.

For your appropriate action.


ATTY. ANALIZA REBUELTA-TEH

¹  Provisional Program-Training on National GHG Inventory-March 18-22, 2024-Region III

**Training on 2006 IPCC Guidelines for
Preparing National GHG Inventory: Energy, IPPU and Waste Sector**

Programme

March 18 to 22, 2024

Regional III

ENERGY, IPPU and WASTE Sectors

Time	Activity	Speaker
Day 01		
9: 00 - 9:15	Opening session and welcoming remarks, Mentimeter and Group Photo	Moderator: Mr. Jaypalsinh Chauhan, Asia Network Coordinator Speakers: Ms. Fatima Zahra Taibi, CBIT-GSP Global Coordinator (TBC)
9:15 – 10:15	What is GHG inventory? Overview of Key Concepts and Issues on the 2006 IPCC GHG Inventory Tool for Philippines	Buddika Hemashantha, International MRV Transparency Advisor to CBIT-GSP
10:15 – 11:30	Tools and Software for Reporting <ul style="list-style-type: none"> • Introduction to the tools and software available for facilitating reporting. • Live demo of the IPCC software tool 	Buddika Hemashantha, International MRV Transparency Advisor to CBIT-GSP
11:30 – 12:30	Institutional Arrangement <ul style="list-style-type: none"> • Overview of the current institutional arrangement for managing and overseeing emissions reporting. • Discussion on roles and responsibilities of key stakeholders. Insights into successful institutional model	Buddika Hemashantha, International MRV Transparency Advisor to CBIT-GSP
12:30 – 14:00	Lunch Break	
14:00 – 15:30	Presentation from the Philippines on BUR1 Preparation <ul style="list-style-type: none"> • Guest presentation, sharing their recent experience in preparing BUR1. • Lessons learned, challenges faced, and best practices. 	Representative from Philippines
15:30 – 15:45	Q & A Discussion	All Participants
15:45 – 16:00	Wrapping up	
Day 02 - Energy Sector		
9:00 - 9:30	Recap Day 1 and Agenda for Day 2	Mr. Jaypalsinh Chauhan, Asia Network Coordinator
9:30 - 10.15	Introduction to Energy sector in Philippines	Representative from Philippines
10:15 - 12:30	Stationary Combustion	Buddika Hemashantha, International MRV Transparency Advisor to CBIT-GSP
12:30 - 14:00	Lunch Break	

14:00 - 15:00	Mobile combustion -Road transportation	Buddika Hemashantha, International MRV Transparency Advisor to CBIT-GSP
15:00 - 16:00	Mobile combustion -Civil aviation	Buddika Hemashantha, International MRV Transparency Advisor to CBIT-GSP
Day 03 - Energy Sector		
9:00 - 9:30	Recap Day 1 and Agenda for Day 2	Mr. Jaypalsinh Chauhan, Asia Network Coordinator
9:30 - 10:30	Mobile combustion (cont.) -Civil aviation	Buddika Hemashantha, International MRV Transparency Advisor to CBIT-GSP
10:30 - 12:30	Fugitive Emissions	Buddika Hemashantha, International MRV Transparency Advisor to CBIT-GSP
12:30 - 14:00	Lunch Break	
14:00 - 15:45	Exercise on using the 2006 IPCC GHG Inventory Tool (Grouped by Sector), continuation <ul style="list-style-type: none"> • Stationary Combustion • Mobile Combustion 	All Participants
15:45 - 16:00	Wrapping-up	
Day 02 - IPPU Sector		
9:00 - 9:30	Recap Day 1 and Agenda for Day 2	Ms. Sandee G. Racabar, Chief, DENR GHG Management and Reporting Unit, Climate Change Service
9:30 - 10:00	Inventory of the IPPU sectors in the Philippines	Ms. Alith Leyba, Individual Technical Expert for IPPU
10:10 - 12:30	Methodologies for Estimating GHG Emissions from the IPPU sector: Emissions from Mineral Industry	Ms. Alith Leyba, Individual Technical Expert for IPPU
12:30 - 14:00	Lunch Break	
14:00 - 15:45	Methodologies for Estimating GHG Emissions from the IPPU sector: Emissions from Chemical Industry	Ms. Alith Leyba, Individual Technical Expert for IPPU
15:45 - 16:00	Wrapping-up	
Day 03 - IPPU Sector		
9:00 - 9:30	Recap Day 1 and Agenda for Day 2	Ms. Sandee G. Racabar, Chief, DENR GHG Management and Reporting Unit, Climate Change Service
9:30 - 10:00	Methodologies for Estimating GHG Emissions from the IPPU sector: Emissions from Metal Industry	Ms. Alith Leyba, Individual Technical Expert for IPPU
10:00 - 10:45	Methodologies for Estimating GHG Emissions from the IPPU sector: Non-Energy Products	Ms. Alith Leyba, Individual Technical Expert for IPPU

	from Fuels and Solvent Use	
10:45 - 11:15	Methodologies for Estimating GHG Emissions from the IPPU sector: Emissions from Electronics Industry	Ms. Alith Leyba, Individual Technical Expert for IPPU
11:15 - 12:30	Methodologies for Estimating GHG Emissions from the IPPU sector: Emissions of Fluorinated Substitute for Ozone Depleting Substances	Ms. Alith Leyba, Individual Technical Expert for IPPU
12:30 - 14:00	Lunch Break	
14:00 - 14:30	Methodologies for Estimating GHG Emissions from the IPPU sector: Other Product Manufacture and Use	Ms. Alith Leyba, Individual Technical Expert for IPPU
14:30 - 15:45	Exercise on using the 2006 IPCC GHG Inventory Tool (Grouped by Sector)	Ms. Alith Leyba, Individual Technical Expert for IPPU
15:45 - 16:00	Wrapping Up	
Day 04 - Waste Sector		
9:00 - 9:30	Recap Day 3 and Agenda for Day 4	Moderator: Mr. Jaypalsinh Chauhan, Asia Network Coordinator
9:30 - 10:30	Waste Sector Characteristics and Statistics in Philippines	Representative from Philippines
10:30 - 11:45	General Overview of Waste Sector Waste Generation and Management Data, Waste composition Data	Buddika Hemashantha, International MRV Transparency Advisor to CBIT-GSP
11:45 - 12:30	Solid Waste Disposal Sites: Managed	
12:30 - 14:00	Lunch Break	
14:00 - 14:45	Solid Waste Disposal Sites: Unmanaged and Uncategorized	Buddika Hemashantha, International MRV Transparency Advisor to CBIT-GSP
14:45 - 15:15	Incineration and Biological Treatment	
15:15 - 15:45	Q & A Discussion	All Participants
15:45 - 16:00	Wrapping-up	
Day 05		
9:00 - 9:15	Recap Day 4 and Agenda for Day 5	Moderator: Mr. Jaypalsinh Chauhan, Asia Network Coordinator
9:15 - 10:15	Introduction to Wastewater handling in Philippines	Buddika Hemashantha, International MRV Transparency Advisor to CBIT-GSP
10:15 - 10:45	Wastewater Handling: Domestic	
10:45 - 11:15	Wastewater Handling: Industrial	
11:15 - 12:30	Exercise on using the 2006 IPCC GHG Inventory Tool (Grouped by Sector), continuation - Waste sector	Buddika Hemashantha, International MRV Transparency Advisor to CBIT-GSP
12:30 - 14:00	Lunch Break	All Participants
14:00 - 15:00	Presentation on IPCC National GHGI Reporting	

	<p>and Guidelines for Energy and Waste Sectors</p> <ul style="list-style-type: none"> a) Approaches to Data Collection, Existing data management system, gaps, and suggestions b) Uncertainty analysis (Including practical exercise) c) Methodological Choice and Identification of Key Categories 	<p>a: Buddika Hemashantha, International MRV Transparency Advisor to CBIT-GSP</p> <p>b&c: Mr. Jaypalsinh Chauhan, Asia Network Coordinator</p>
15:00 - 15:45	<p>Presentation on IPCC National GHGI Reporting and Guidelines for Energy and Waste Sectors CONT..</p> <ul style="list-style-type: none"> d) Time Series Consistency including splicing techniques (Including practical exercise). e) Quality Assurance/Quality Control and Verification f) Reporting Guidance and Tables g) Recalculation 	<p>d&e: Mr. Jaypalsinh Chauhan, Asia Network Coordinator</p> <p>f&g: Buddika Hemashantha International, MRV Transparency Advisor to CBIT-GSP</p>
15:45 - 15:55	2022 GHG Inventory: Data Collection and Timelines	Climate Change Commission
15:55 - 16:00	Wrapping-up	