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Strengthening the Capacity of Developing Countries to Prepare and Manage National GHG Inventories as a Basis for Effective Implementation of the ETF Under the Paris Agreement

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GHG Support Unit Activities – Key Components

Since 2018, the GHG Support Unit from the Transparency Division of the UNFCCC Secretariat has supported developing countries to prepare and manage their National GHG Inventories for an effective implementation of the ETF under the Paris Agreement.

Core components	Cross-cutting
Sustainable National GHG Inventory Management Systems (setting up, maintenance of institutional, legal, and procedural arrangements)	• Reporting requirements for MRV • Reporting requirements for ETF (MPGs) • 2006 IPCC Guidelines for national GHG inventories, including the IPCC inventory software • 2013 Supplement to the 2006 IPCC Guidelines for National GHG Inventories: Wetlands • 2019 Refinement to the 2006 IPCC Guidelines (used on a voluntary basis)
Knowledge Development (technical capacity on methods, tools, reporting requirements, etc.)	
Data Management and Quality (data improvement, data gaps filling, uncertainty analysis, time-series consistency, etc.)	



GHG Support Unit Activities – In-country QA Workshops and More

Quality Assurance GHG-IMS, GHGI

- 5-days in-country working sessions, upon request, voluntary (**Confidential**)
- Support developing country Parties establishing and maintaining sustainable national GHG inventory management systems, enhancing the technical capacity of their national experts, and improving data quality
- Findings/comments, recommendations for improvement documented in almost 200-page QA template
- *To date: 56 QA GHG-IMS organized* *Link: [GHG Support Unit main activities](#)*

Quality Assurance of Energy Information Management System and Energy statistics

- 4 days in-country working sessions (**Confidential**)
- EIMS, energy statistics, energy balance
- followed by tailored remote technical assistance (workshops II and III) to address the most critical issues identified to support national decision-making, reporting requirements – collaboration with the IEA and the UN Statistics Division
- *To date: 23 QA Energy statistics organized.* *Link: [GHG Support Unit main activities](#)*

Targeted technical assistance

- To help developing countries implement high-priority recommendations agreed upon during their GHG QA workshop
- Two possible on-demand **coaching sessions**:
 - on the **institutional arrangements** of the national GHG inventory management system
 - on the development of a **fully documented** National Inventory Improvement Plan (**NIIP**)



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GHG Support Unit Activities – NEW 4-year Methane Project

Technical support for improving CH₄ emissions data and projections in Agriculture and Waste sectors – **Only upon request, voluntary and confidential**

Aims to catalyze rapid and systematic improvement of CH₄ emissions data and projections in Agriculture and Waste – 4-year project launched in October 2025

Phase 1: Scoping and design phase → 5 days in-country workshop → findings/comments, recommendations (on GHG inventories, projections, mitigation of CH₄ emissions) documented in a Scoping Report Template → followed by Phase 2: training and implementation phase on key thematic areas identified in consultation with beneficiary countries. Phase 2 may be delivered remotely or in person, with support from specialized international institutions and resource persons. → Phase 3: Follow-up phase

– Partner institutions (GMH)



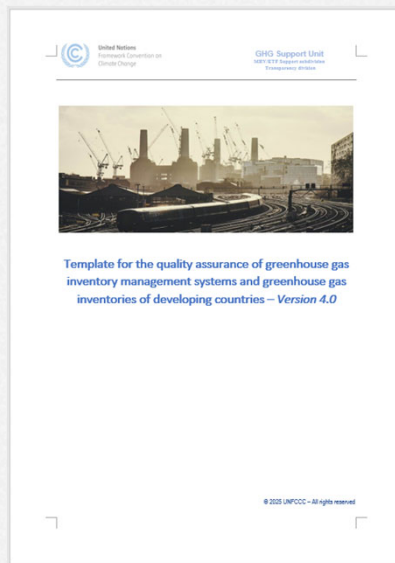
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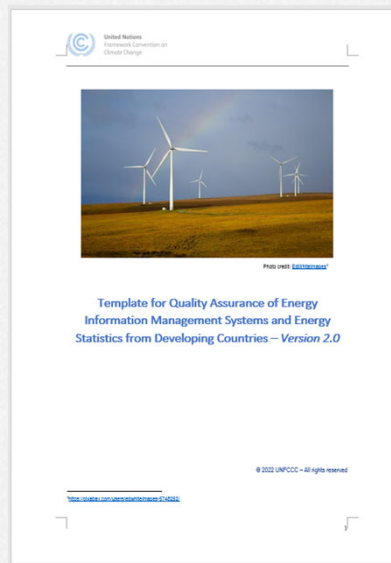
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GHG Support Unit Activities – Improved BTRs and NDCs

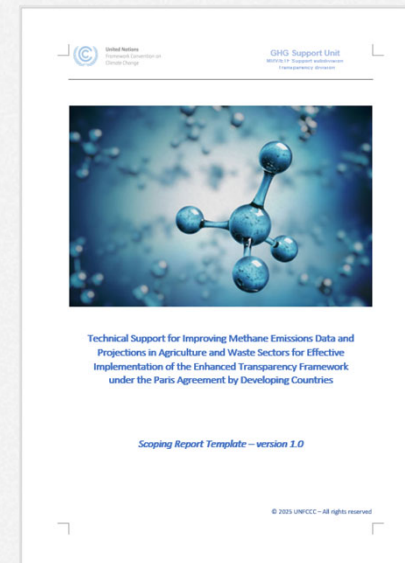
GHGI and IMS QA



Energy Statistics QA



CH₄ Support



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GHG Support Unit Activities

Thematic Workshops and Webinars

- Establishment of GHG Inventory Management Systems and the Use of the 2006 IPCC Guidelines and use of the IPCC Inventory Software: 5 days regional workshop with training sessions on reporting requirements, IA, 2006 IPCC GLs, IPCC inventory software and relevant tools
- Webinars on **Uncertainty Analysis**, the **COPERT** Model (Transportation), **SAGE** (Sectoral Activity data for GHG Emissions) and **MITICA** (Mitigation-Inventory Tool for Integrated Climate Action)

E-learning and certification programme

- Online training courses (2006 IPCC GLs, Wetlands supplement) and examination/certification
- Collaboration with GHG-Management Institute
- Input to the UNFCCC Roster of Expert

GHG Help Desk

- Interactive communication platform – continued support to developing countries on GHG inventory related topics
- <https://unfccc.int/process-and-meetings/transparency-and-reporting/support-for-developing-countries/ghg-support/ghg-help-desk>



GHG Support Unit Activities

Tools and software

- **IPCC inventory software** - <https://www.ipcc-nggip.iges.or.jp/software/index.html>
- **SAGE**. Sectoral Activity data for GHG Emissions tool. Collaboration with GHG-MI - <https://ghginstitute.org/sage/>
- **MITICA**. Mitigation-Inventory Tool for Integrated Climate Action. Collaboration with Gauss International - <https://gauss-int.com/mitica/>





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Thank you for your attention!

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