

Deep-dive into preparation and reporting of results of national GHG inventories under the ETF of the Paris Agreement

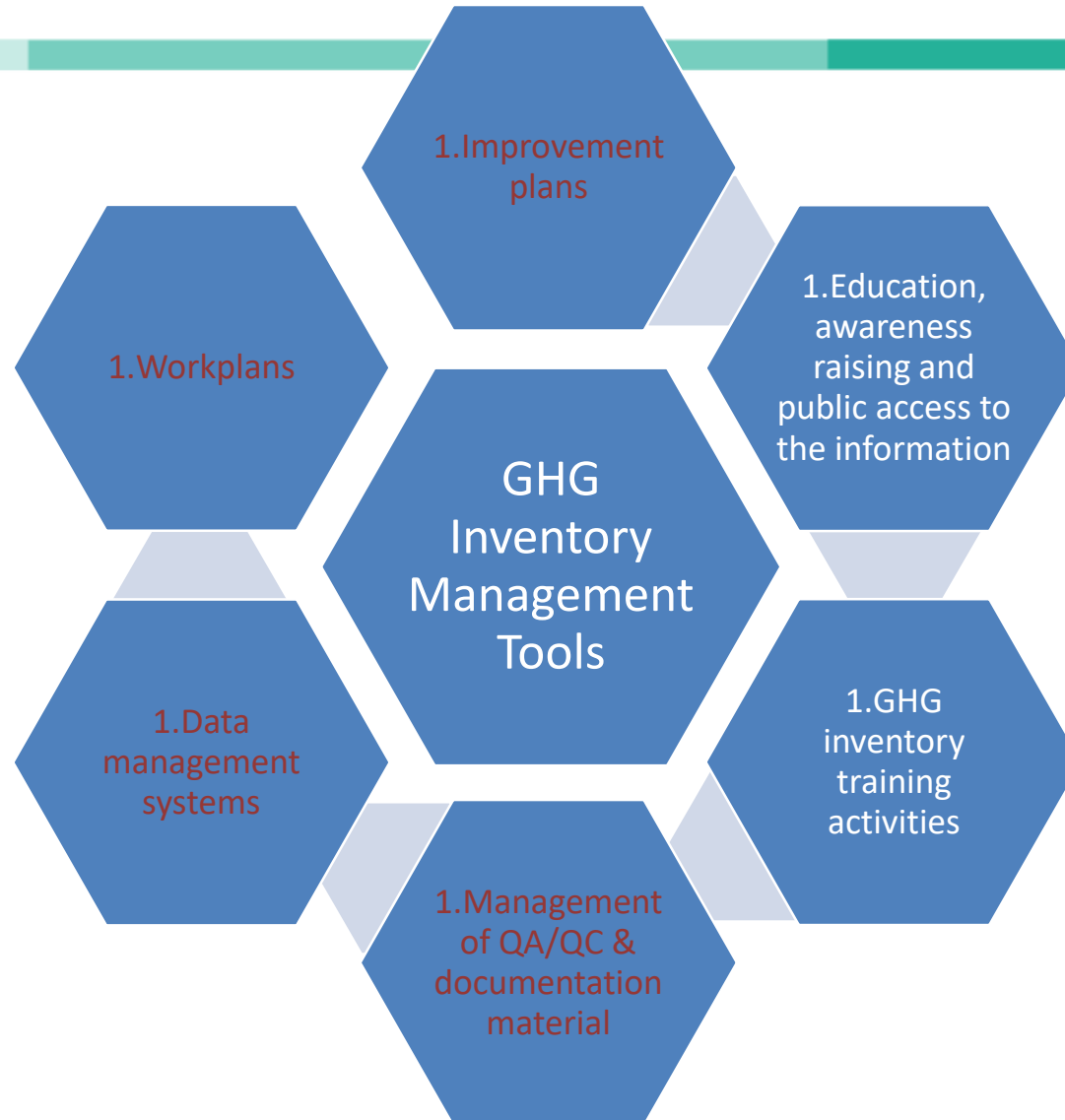
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Presentation:
The Inventory Improvement Plan (IIP)

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GHG Inventory Management Tools



Source:
2019 IPCC
Refinements

Introduction to Inventory Improvement Plan

- Each country should have a plan to improve the quality (TACCC) of inventory over time ([continuous improvement](#)).
- The improvement plan is consistent with the reporting requirements of the ETF, including [reporting on flexibility](#) and reporting on [areas for improvement](#).

Inventory improvement plan

Improvements:

- Potential,
- Planned, and
- Implemented improvements.

Plan: Specific actions

- Compilation
- Prioritization
- Synthesis
- Future implementation

Inventory improvement plan

Source of ideas for improvement:

- Own national team
- External contributions:
 - UNFCCC QA processes (BUR assessments, future [Technical Expert Reviews \(TER\)](#))
 - Other QA processes
- The improvement plan must [assign a priority level](#).



Inventory improvement plan

Benefits:

- Find better data
- Facilitate coordination
- Train current staff members
- Enhance QA/QC procedures
- Guide new staff
- More efficient use of resources

Source: based in US-EPA (2023)

But resources needed to implement the plan!

- Staff availability
- Staff expertise
- Cost
- Time
- Responsible

Important to **prioritize**

Documentation of an improvement plan

An improvement plan may include a simple table that contains, for example:

- **Categorisation**: include sector(s) and type of improvement activity (e.g. improved QA/QC processes, improved uncertainties or key category analysis, improved activity data, shift to higher-level methods).
- **Name**: short and unique, ideally reflecting the spirit of improvement.
- **Description**: includes information about the deadlines and technical details for its development.
- **Origin**: recommendation or suggestion of experts or international review process.
- **Status**: suggested, proposed, planned, in progress, implemented, etc.
- **Priority**: key category analysis can be used as input.
- **Owner**: the person or entity responsible for implementing the improvement.

Example of an improvement plan table

| TABLE 1.8 (NEW) SUGGESTED DESCRIPTION OF POTENTIAL, PLANNED AND IMPLEMENTED IMPROVEMENTS IN INVENTORY IMPROVEMENT PLAN | | | | | | |
|---|--------|---------------|----------|----------|------------|---------|
| 1.Categorisation | 2.Name | 3.Description | 4.Origin | 5.Status | 6.Priority | 7.Owner |
| | | | | | | |
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| | | | | | | |

1. The **categorization** of the improvement. This could include the sector or categories, and the type of improvement activity (e.g. improved QA/QC processes, improved uncertainties or key category analysis, improving activity data, moving to higher tier methods).

2. A short unique **name**.

3. Improvement **description** including information on timeframes and technicalities for development.

4. The **origin** of the improvement (e.g. recommendation or expert suggestion or international review process).

5. The **status** (e.g. suggested, proposed, planned, work in progress, implemented) of the improvement.

6. **The priority** of the improvement (informed by the *key category* analysis).

7. The **owner** is the person or entity responsible for implementing the improvement.

EPA Improvement Plan Template

- The [EPA National Inventory Systems Toolkit](#) includes a specific template for the inventory improvement plan.
- The template provides guidance on efforts to increase the quality (TACCC) of future inventories.
- The workforce will be able to report on overall inventory improvements, including institutional capacity-building in the coming years.
- Improvements can be identified through documentation of existing institutional arrangements, category-by-category analysis of methods and data, QA/QC procedures, key categories and the archiving system.
- [Table 7-1](#) identifies improvement options and their priority level, while [Table 7-2](#) proposes inventory improvements consistent with the high priority options in [Table 7-1](#).

Table 7-1. Options for improvements

| N° | Key Category (yes/no) | Category Code and Name | Issue | Improvement Option | Priority of Improvement | Timing of Improvement | Additional Information Needed for Improvement |
|----|-----------------------|------------------------|-------|--------------------|-------------------------|-----------------------|---|
| 1 | [Enter Text] | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
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References

- **IPCC:** <https://www.ipcc.ch/report/2019-refinement-to-the-2006-ipcc-guidelines-for-national-greenhouse-gas-inventories/>
- **MPGs:** https://unfccc.int/sites/default/files/resource/cp24_auv_transparency.pdf
- **CGE:** <https://unfccc.int/process-and-meetings/transparency-and-reporting/support-for-developing-countries/consultative-group-of-experts/enhanced-transparency-framework-technical-material>
- **UNFCCC GHG Inventories:** <https://unfccc.int/process-and-meetings/transparency-and-reporting/support-for-developing-countries/ghg-support>
- **US-EPA Templates:** <https://unfccc.int/process-and-meetings/transparency-and-reporting/support-for-developing-countries/ghg-support/ghg-help-desk/ghg-documents>

Thank you for your attention

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