

Training on preparation and reporting of results of national GHG inventories under the ETF of the Paris Agreement

Tokyo, Japan 22-24 May 2024

Presentation: Design of the inventory improvement plan to facilitate improved reporting and transparency over time

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Outline of the BTR



BTR

National GHG inventory*

Progress made in implementing and achieving NDCs*

Climate change impacts and adaptation (as appropriate)

Financial, technology transfer and capacity-building support

Additional information when NCs and BTRs submitted jointly

Flexibility

Improvements in reporting

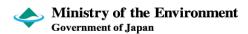
ANNEXES

Overview of chapters

- I. National inventory document of anthropogenic emissions by sources and removals by sinks of GHGs (MPGs, para. 17-58)
- II. Information necessary to track progress made in implementing and achieving NDCs under Article 4 of the Paris Agreement (MPGs, para. 59-103)
- III. Information related to climate change impacts and adaptation under Article 7 of the Paris Agreement (MPGs, para. 104-117)
- IV. Information on financial, technology development and transfer and capacity-building support **provided and mobilized** under Articles 9–11 of the Paris Agreement (MPGs, para. 118-129)
- V. Information on financial, technology development and transfer and capacity-building support needed and received under Articles 9–11 of the Paris Agreement (MPGs, para. 130-145)
- VI. Information to be reported **when NCs and BTRs are submitted joi**ntly every four years **(1/CP.24, para. 43)** (vulnerability assessment, cc impacts and adaptation measures-if not reported in section III; RSO; education, training and public awareness)
- Information on **flexibility (MPGs, para. 6)** (Indication of (1) reporting provisions to which self-determined flexibility is applied, (2) capacity constraints in relation to the application of flexibility and (3) self-determined estimated time frames for improvements in relation to those capacity constraints)
- VIII. Improvements in reporting over time (MPGs, para. 7-8) (areas of improvement, how these will be addressed, which areas are related to flexibility provisions, reporting-related CB support needs)
- IX. Any other information the Party considers relevant to the achievement of the objective of the Paris Agreement, and suitable for inclusion in its BTR

Annexes: (i) Technical annexes for REDD+, as applicable; (ii) CRTs for electronic reporting of NIR; (iii) CTFs for electronic reporting of tracking progress in NDCs, FTC support provided/mobilized and/or needed and received; (iv) Information in relation to the Party's participation in cooperative approaches, as applicable









GHG Inventory Management Tools (IMT)





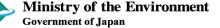
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Introduction to Inventory Improvement Plan



- 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.





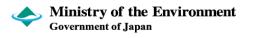




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Inventory improvement plan



Improvements:

- Potential,
- Planned, and
- Implemented improvements.

Plan: Specific actions

- Compilation
- Prioritization
- Synthesis
- Future implementation





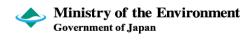




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Inventory improvement plan



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.



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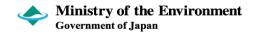


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Inventory improvement plan



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



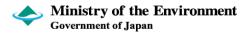


















Documentation of an improvement plan



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.





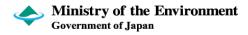




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Documentation of an improvement plan



TABLE 1.8 (NEW)

SUGGESTED DESCRIPTION OF POTENTIAL, PLANNED AND IMPLEMENTED IMPROVEMENTS IN INVENTORY IMPROVEMENT PLAN

2.Name	3.Description	4.Origin	5.Status	6.Priority	7.Owner
					3
		8			8
_	2.Name	2.Name 3.Description	2.Name 3.Description 4.Origin	2.Name 3.Description 4.Origin 5.Status	2.Name 3.Description 4.Origin 5.Status 6.Priority

- 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.

Source: 2019 Refinements to the 2006 IPCC Guidelines for National GHG inventories

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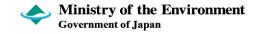
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EPA Improvement Plan Template



- 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.

Source: U.S. EPA Toolkit for Building National GHG Inventory Systems





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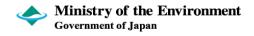








Table 7-1. Options for improvements



N°	Key Category (yes/no)	Category Code and Name	Issue	Improvement Option	Priority of Improvement	Timing of Improvement	Additional Information Needed for Improvement
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

Source: U.S. EPA Toolkit for Building National GHG Inventory Systems

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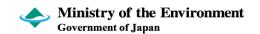






Table 7-2. Potential high-priority improvements (S) CBIT-GSP



N° (from Table 7-1)	Estimated Staff Time (workdays)	Estimated Cost for Services (local currency)	Estimated Cost of Equipment (local currency)	Reference to Further Information	Responsible Staff

Source: U.S. EPA Toolkit for Building National GHG Inventory Systems

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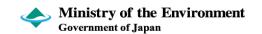




















Thank you for your attention!

For more information:

https://climate-transparency-platform.org

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