Developing an Archiving System



Africa Regional Workshop on the Building of Sustainable National Greenhouse Gas Inventory Management Systems, and the Use of the 2006 IPCC Guidelines for National Greenhouse Gas Inventories

Maseru, Lesotho 14-18 March 2016





Question:

In the process of preparing your inventory, has it been difficult to:

- find documentation on how things were done for the previous inventory?
- track down sources of activity data and emission factors?
- find previous electronic files?

Benefits of the Template Workbook



- Documents critical information, facilitates review
- Ensures roles and responsibilities are understood
- Standardizes tasks
- Accommodates varying levels of national capacity
- Creates transparency and improves credibility
- Provides a clear starting point for future inventories
- Builds a sustainable national system
- Improves inventory quality over time



UNFCCC Manual for Guidelines on Non-Annex I National Communications



National GHG Inventories - Section B. Reporting

Institutional arrangements

Paragraph 13: Non-Annex I Parties are encouraged to describe procedures and arrangements undertaken to collect and archive data for the preparation of national GHG inventories, as well as efforts to make this a continuous process, including information on the role of the institutions involved.

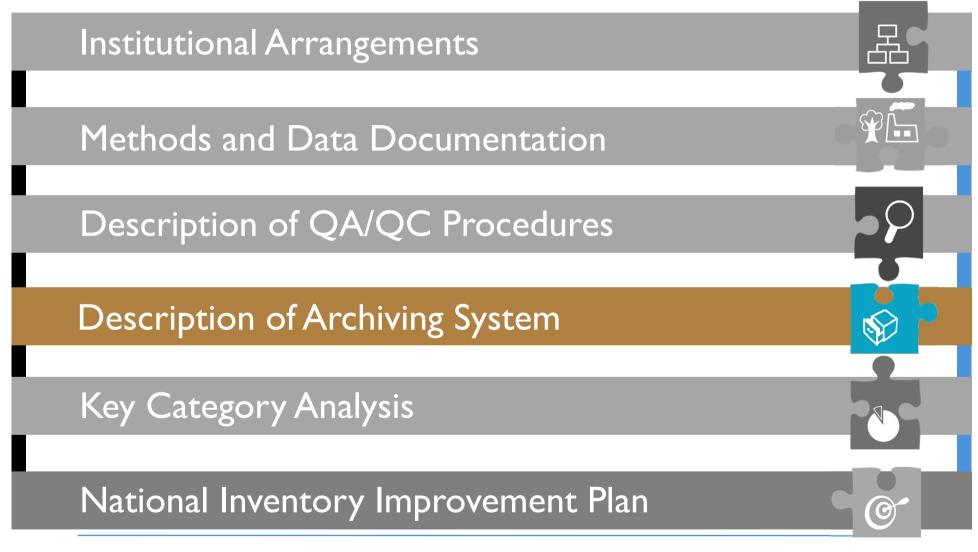
REPORTING ON CLIMATE CHANGE wer manual for the guidelines on national communications from non-Annex I Parties United Nations Framework Convention on Climate Change

Synthesis

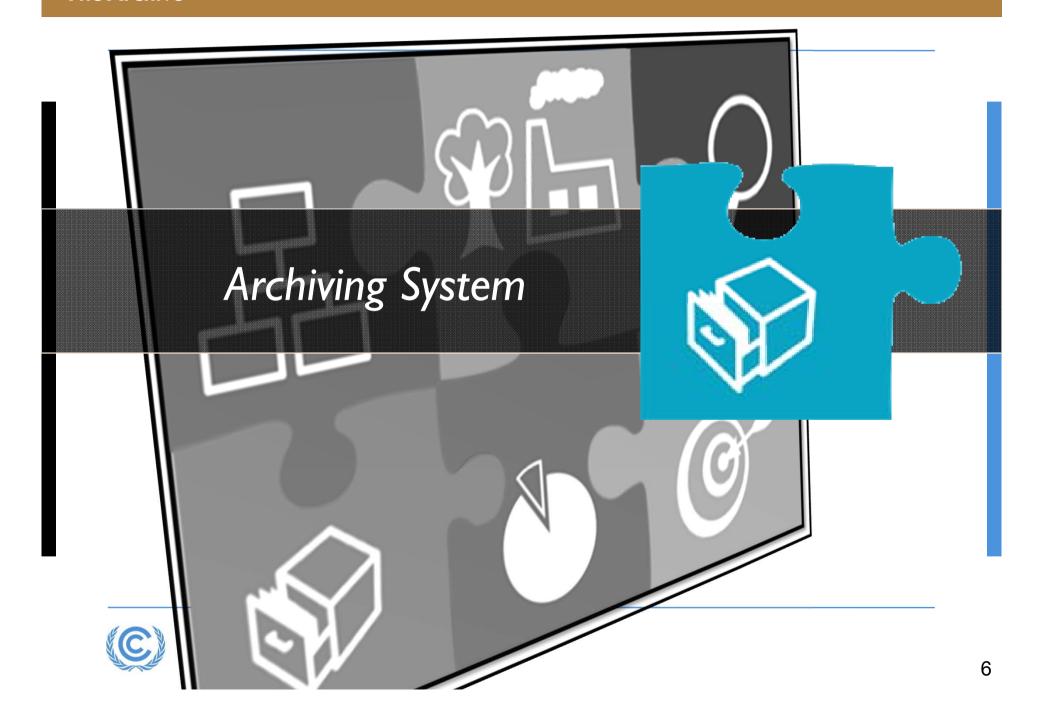
Parties are welcome to provide information about the procedures and arrangements (e.g. institutional) established in order to sustain the process of data collection and archiving. This is intended to help make inventory preparation a continuous process.



The Six Templates of the Template Workbook









An archive will help the inventory team:

- Access previous records
- Easily reproduce estimates
- Ensure credibility
- Respond to government, expert, or public inquiry
- More easily review estimates
- Safeguard against loss of information

An archive:

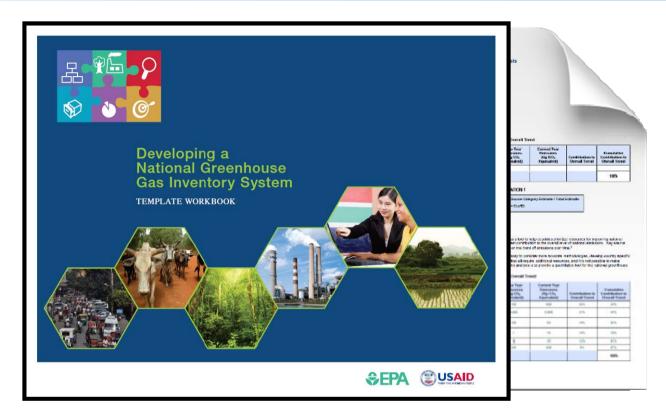
- Need not be expensive or complicated.
- Can be electronic and/or hard copy





The EPA Template Workbook Can Guide Archive Development





- Based on inventory systems developed in concert with other countries
- Each template becomes a chapter of the National Inventory System Report
 - Each template provides documentation of critical building blocks



How The Template Workbook Can Help





The archiving template will assist countries:

- Assess past archiving system
- Guidance to develop an archiving system (e.g. procedures)
- Establish roles/responsibilities /procedures consistent with inventory schedule
- Future improvements



- Access previous records
- Easily reproduce and review estimates
- Ensure credibility
- Respond to inquiries
- Safeguard against loss of data/information









- List and Copies of References
- Expert Judgment
 - (Documentation, Contact Information)
- Key Category Analysis
- Uncertainty Analysis
- QA/QC Measures
- Changes and Recalculations
- Improvement Plan
- Archiving Plan
- Review Findings and Responses
- Templates for Future Work
- Results, Analyses, Plans, Measures
- For EACH Submission



Archive All Materials for Each Inventory for Easy Retrieval



Process Descriptions

How to prepare the inventory, meeting materials, instructions for those to follow in your footsteps



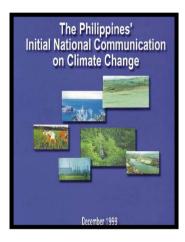
Activity Data

Sources of information, contact persons, other contact information



Methods and Emission Factors

Sources/references, reasoning for methodological choice, spreadsheets, models, instructions



Final inventory products

National
Communication,
National Inventory
Report, other materials
submitted to the
UNFCCC



An Example from the Archive Template



Template 4: Description of Archiving System



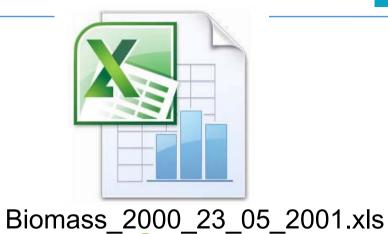
Subtask	Date Due	Task Completed	
		Initials	Date
Compile electronic versions of final versions of inventory document.			
Collect copies of expert review comment response documents from each category lead.			
Collect copies of public review comment response documents from each category lead.			
Catalogue all documents using a unique tracking number and index.			
Collect completed Institutional Arrangements and Methods and Data Documentation templates.			
Compile electronic versions of Key Category analyses. (Some files will be duplicated from the previous subtask.)		- 0	
Compile electronic versions of QA/QC checklists.			
Save all electronic files on archive CD-ROM.			
Ensure all hard copy materials are present in official archive by reviewing contents against index.			
Ensure all necessary electronic files are contained on CD-ROM and ensure that it is placed with other official archive materials.			
Distribute electronic files at start of next inventory update.		- 0	
[List additional tasks]			
Category Lead			
Send electronic versions of spreadsheets used to estimate net emissions to Inventory Coordinator (using naming convention).			
Send final text documents for sector or category to Inventory Coordinator.			
Send Methods and Data Documentation reports for category.			
Create index of draft documents and files for electronic and hard copy storage.			
Create index of final documents and files for electronic and hard copy storage.			
Compile and send electronic versions of any Key Category analyses and documents to Inventory Coordinator (add "key" to naming convention).			
Send summary or list of QA/QC steps and corrective actions (by category) to Inventory Coordinator.		3.5	
Save all final electronic files on archive CD-ROM. Label as "FINAL" with name of category/sector, date, and contact information, and send copy to Inventory Coordinator.			





1. Naming Conventions:





IPCC
Category
Name
Inventory
Year

Date the
File was
Modified





2. Organization:



Agriculture Sector Spreadsheets

Agriculture Folder



Archive manager (Data and Document manager)

- Designate an Archive Coordinator
- Source Lead responsibilities should be communicated in the kickoff memo so each source has a point person

Document Retention	Comment/Response	Data Retention
References,	Comments from Public	Calculations,
Publications	Review	Spreadsheets



Review Guidelines for An Effective Archiving System



- Information should be stored in a single location.
- Both electronic and paper storage.
- Include all emission factors, activity data, and documentation of how these factors and data have been generated and used (e.g., MDD template).
- Documentation of QA/QC procedures, reviews, key categories, and planned inventory improvements (e.g. use QA/QC template)
- Multiple copies, just in case!

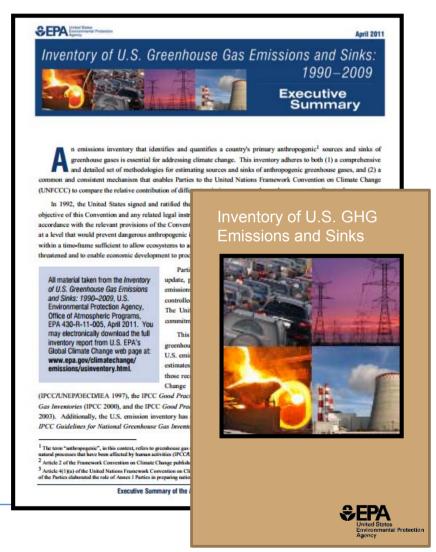




Archive of the Published Inventory Book

The Annual U.S. GHG Inventory book is formatted and printed in color

Copies are stored in the National Service Center for Environmental Publications (NSCEP) warehouse in Cincinnati, OH







Docket of Source Materials





Each reference used in the GHG
Inventory is printed and placed in
the docket and **Tracking numbers**are assigned to each component of
the docket

Each reference used in GHG Inventory is either scanned or converted to Adobe PDF and placed in an electronic docket



You need both!



Archiving Various Types of Source Materials

Books, Databases or Large Reports:

- I. Print and scan cover/title page
- 2. Print and scan relevant pages of the book/report or screenshots of the database showing the actual source data

Small Reports, Websites, Spreadsheets:

 Print and scan entire report, full website, or spreadsheet ensuring all source data is included

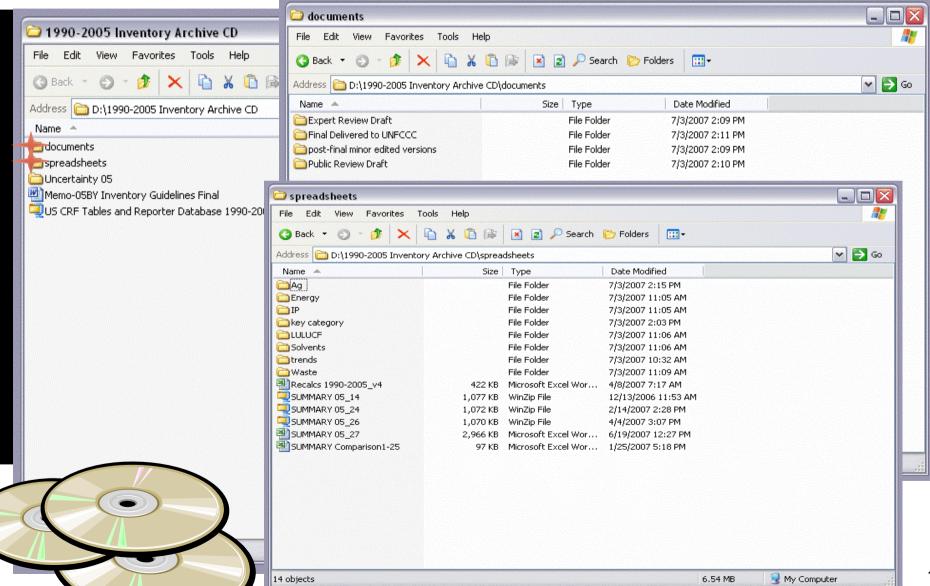
Personal Communications/Interviews with Experts:

- Create a log listing the expert, interview date, mode of communication (email, in person interview, phone), and the experts contact information
- 2. Include as much detail as possible from the expert source, including all source data
- 3. Print and scan the log





Each New Inventory Has its Own Archive CD



Where does Archiving fit into the National Inventory Cycle?



National Inventory Schedule

Submit to U.N., Prepare National Cycle Begins Inventory Improvement Plan

Again

Finalize Inventory Draft, Key Category Analysis, and Prepare Archives

Address Errors and Comments from Review

Improve

QA of Draft Report

Write

Prepare and QC Draft Report

Inventory Kickoff Meeting: Meet with Sector Experts, Data Providers, and Data Compilers Identified in Step One

Invite all those

Plan

Choose Methods and Identify Available Data

Send Letters to Collaborators and Organizations

Collect

Collect and QC Data and Emission Factors Organize Activity Data, **Emission Factors**

Estimate

Prepare and QC Initial Estimates

Draft and QC Key Category Analysis



Question:

After hearing Archiving described, what systems do you have?

How does your current archiving system handle:

- Data retention?
- Document retention?
- Storage mechanisms?

Do you have lessons learned from past experiences?

What could be improved and what systems might work best for your country?

Thank you!







