

**The 4th Workshop on GHG Inventories in Asia (WGIA)
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Quality Assurance/Quality Control

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Objectives

Why we need the internal and external quality assurance/control ?

- to identify potential problems and make corrections where possible
- to perform GHG inventory with good quality
 - Internal
 - External

Internal assurance/control

- Organizations and implementing units that responsible for GHG national inventory will set up working group consisted from the professional organizations and experts to check accuracy and quality of NIR
- The working group will take quality control according to **approved guidelines**

Steps

- Check AD
- Check EF
- Check Methodology
- Check calculations
- Check the completeness
- Check documentation and archiving
- Check the report

Accuracy and completeness of AD

- Check the reliability of data sources
- All AD from each source have to be checked and compared with ones of previous inventory.
- AD checked against data sources
- Any changes from the previous inventory have to be checked whether the changes adjusted appropriately

Accuracy and completeness of EF

- To check reliability of EFs used
- To check estimated CS EFs

Methodology

- Check any changes in methodology

Estimation/calculation

- Identify any mistakes in calculation
- Check the recalculations

Completeness

- Check whether all sectors are included
- Check whether all gases are estimated

Documentation and archiving

Whether documentation and archiving was
done according to the National Manual

External assurance/control

External assurance/control will be carried out by a third party that did not involve in inventory preparation

External assurance/control

Public Administrative organizations responsible for the implementation of the UNFCCC will set up a working group to take the external control/assurance.

External assurance/control

- Check and evaluate how the internal QA
- Compare the National inventory with other country`s inventory
- Recommendation for improvement

Thank you