



The quality assessment and quality control checklist for the Greenhouse Gas Inventory



Bangladesh Forest Department
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UN-REDD
PROGRAMME



Food and Agriculture
Organization of the
United Nations



UN
environment

The UN-REDD Programme, implemented by FAO, UNDP and UNEP, has two components: (i) assisting in developing countries to prepare and implement national REDD strategies and mechanisms; (ii) supporting the development of normative solutions and standardized approaches based on sound science for a REDD instrument linked with the UNFCCC. The programme helps empower countries to manage their REDD processes and will facilitate access to financial and technical assistance tailored to the specific needs of the countries.

The application of UNDP, UNEP and FAO rights-based and participatory approaches will also help ensure the rights of indigenous and forest-dwelling people are protected and the active involvement of local communities and relevant stakeholders and institutions in the design and implementation of REDD plans.

The programme is implemented through the UN Joint Programmes modalities, enabling rapid initiation of programme implementation and channelling of funds for REDD efforts, building on the in-country presence of UN agencies as a crucial support structure for countries. The UN-REDD Programme encourage coordinated and collaborative UN support to countries, thus maximizing efficiencies and effectiveness of the organizations' collective input, consistent with the "One UN" approach advocated by UN members.

The UN-REDD Bangladesh National Program is implemented by the Bangladesh Forest Department under the leadership of Ministry of Environment and Forests. United Nations Development Program (UNDP) and Food and Agriculture Organization (FAO) are the two implementing partners.

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1. Transparency

1. Is there a proper documentation which explains the assumptions and criteria for the selection of activity data and emission factors?
2. Is there a proper documentation which explains the models used in the GHGI? (e.g. descriptions, assumptions, rationale, and scientific evidence and references supporting the approach and parameters used for modelling)
3. Is there a transcription error in values, units and full technical reference?
4. Are the calculations on GHG emissions and removals fully documented?
5. Is there any document (e.g. technical report, grey literature etc..) that needs to be reviewed to support the calculation of the estimates to improve the accuracy of the GHGI?
6. Is there a proper documentation which explains a potential gap or a sharp change in the activity data in a time series GHGI?
7. Is there a proper documentation which explains a sharp change in emission and/or removals trend of GHGs in a time series GHGI?
8. Is there a proper documentation which explains why an IPCC category or a carbon pool has been excluded from the GHGI?
9. Is there any documentation which explains how the data reported in global and national databases have been calculated?

2. Consistency

1. Are the data used in a GHG I consistent among categories and carbon pools?
2. Are the methods used to estimate emissions and removals consistent in a time series GHGI?
3. Are the same parameters expressed in the same units?
4. Does the total land area of the country in a time series GHGI (e.g. time1, time 2) remain the same and the net change in land-use area is zero?
5. Are the activity data and emission factors used in a time series GHGI consistent?
6. Are the changes observed in the activity data in a time series GHGI consistent?

3. Comparability

1. Has a country-specific emission factor been compared with a default value or with emission factors from countries with similar circumstances?
2. Has the data obtained from national sources been compared with data from global databases?
3. Have the estimates on GHG emissions and removals been compared with previous estimates?

4. Have the estimates on GHG emissions and removals been compared with estimates derived from countries with similar circumstances?
5. Have the estimates on GHG emissions and removals been compared with estimates derived based on another TIER methodology?
6. Have the uncertainty estimates been compared with the IPCC default values or uncertainties reported from countries with similar circumstances?

4. Completeness

1. Are the estimates on GHG emissions and removals complete for the different IPCC categories and carbon pools?
2. Have all carbon pools and IPCC categories been included in the inventory?
3. Are the land areas properly classified?
4. Is there any land-use area that has been omitted or double counted during the inventory compilation?

5. Accuracy

1. Is the data obtained from global and national databases accurate and reliable?
2. Is there any uncertainty in the data?
3. Has any potential bias in the data or in the methods used to collect and harmonise data been identified?
4. Is the data expressed in appropriate units?
5. Are the appropriate conversion factors being used to convert the data?
6. Are the calculations on GHG emissions and removals correct?
7. Is there any uncertainty in the estimates of GHG emissions and removals? Have these uncertainties been estimated correctly?
8. Are CO₂ removals reported as negative and CO₂ emissions as positive?
9. Is the data used in the various steps of the compilation of the GHG I correct?
10. Have the models or the data being used to develop an emission factor been validated (model assumptions have been documented)