

TRANSPARENCY UNDER THE PARIS AGREEMENT

Reporting requirements for
uncertainty analysis in national
GHG inventories under the
Enhanced Transparency
Framework of the Paris Agreement

Webinar on uncertainty analysis in national GHG Inventories from
Developing Countries, 19–23 February 2024



United Nations
Climate Change Secretariat

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Decision 18/CMA.1

Modalities, procedures and guidelines for the transparency framework for action and support referred to in Article 13 of the Paris Agreement

Decision 5/CMA.3

Guidance for operationalizing the modalities, procedures and guidelines for the enhanced transparency framework referred to in Article 13 of the Paris Agreement

Parties shall...

- submit 1st BTR at the latest 31 December 2024 (18/CMA.1) – Least developed country Parties and small island developing States may submit at their discretion.
- use the 2006 IPCC Guidelines – uncertainty estimates are an essential element of a complete inventory of GHG emissions and removals. They should be derived for both the national level and the trend estimate, as well as for the component parts such as emission factors, activity data and other estimation parameters for each category.
- quantitatively estimate uncertainty and qualitatively discuss uncertainty for emission, removal estimates for all categories, including inventory totals for at least the starting year and latest year of the inventory time series.
- also estimate the trend uncertainty – use at least approach 1.
- **Flexibility** – for developing countries Parties that need it in the light of their capacity, provide, at a minimum, a qualitative discussion of uncertainty for key categories where quantitative input data are unavailable to quantitatively estimate uncertainties and encourage to provide quantitative estimate of uncertainty.



Decision 18/CMA.1

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Parties shall...

- Time series
 - report consistent time series from 1990 (with flexibility)
 - report latest reporting year T-2 (T-3 with flexibility)
- report recalculations for starting year and all subsequent years of time series together with justification and impact of recalculations
- identify key category for the starting year and the latest reporting year including and excluding LULUCF categories, using approach 1, for both level and trend assessment (with flexibility)
- report on institutional arrangements (e.g., planning, preparation and management) – uncertainty data collection, academia, statistics office
- develop a QA/QC plan (with flexibility)
- report basket of 7 gases – CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃ (with flexibility), using AR5 GWP values ([IPCC WGI AR5 Chapter08, Table 8.A.1](#))

Thank you for your
attention

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