



Expected Outcomes of the Scoping Meeting

IPCC Scoping Meeting
Methodology Report on Short-lived Climate Forcers (SLCFs): 2027 Supplement to the 2006 IPCC Guidelines
Brisbane, Australia, 26-28 February 2024
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Outline

- Expected outcomes:
 - Recommendation on the title and format of the Methodology Report
 - Draft Terms of Reference (TOR)
 - Draft Table of Contents (TOC)
 - Draft Instructions to Experts and Authors

Working drafts of these documents have been provided to support the work of the Scoping Meeting.

- These outputs will be the core documents of the proposal by TFI Bureau to the IPCC Panel for its consideration.

Recommendation on the title and format of the Methodology Report

- Methodology Report on SLCFs will provide guidance on the preparation and reporting of a national inventory of SLCFs emissions.
 - **Title:** e.g., “*2027 Supplement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories: Short-lived Climate Forcers (2027 Supplement on SLCFs)*”
 - **Format:** One single Methodology Report comprising an Overview Chapter and five volumes following the format of the *2006 IPCC Guidelines*

Draft TOR: Scope

- SLCF species
 - NO_x, CO, NMVOCs, SO₂, NH₃, BC and OC (BC and OC can be presented in terms of fraction of PM_{2.5})
- Emissions
 - Anthropogenic
 - National
 - Annual
 - Reported in mass units for each individual emitted species

Draft TOR: Scope

- Inventory sectors
 - Energy
 - Industrial Process and Product Use (IPPU)
 - Agriculture, Forestry and Other Land Use (AFOLU)
 - Waste

Draft TOR: Approach

- The authors will ensure consistency of the categorization of the source categories and of methodological guidance with the *2006 IPCC Guidelines, Wetlands Supplement* and *2019 Refinement*.
- *The authors* will follow “Instructions to Experts and Authors” to ensure a consistent and coherent approach across all the volumes and chapters, including the use of common terminology.
- Guidance in the Methodology Report on SLCFs builds on guidance provided in the *2006 IPCC Guidelines*.

Draft TOC

- It covers all inventory sectors and general guidance and reporting.

Annex 1. Draft Table of Contents[↵]

**2027 Supplement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories:[↵]
Short-lived Climate Forcers (2027 Supplement on SLCFs)[↵]**

Overview[↵]

Volume 1. General Guidance[↵]

- Introduction [↵]
- Approaches to Data Collection [↵]
- Uncertainty Analysis[↵]
- Methodological Choice and Identification of Key Categories[↵]
- Timeseries consistency[↵]
- QA/QC and Verification[↵]
- Reporting guidance and Tables [↵]

Volume 2. Energy Sector[↵]

- Introduction[↵]
- Fuel combustion Activities: Stationary and Mobile[↵]
- Fugitive Emissions[↵]
- Other [↵]

Volume 3. IPPU Sector[↵]

- Introduction[↵]
- Mineral Industry[↵]
- Chemical Industry[↵]
- Metal Industry[↵]
- Non-Energy products from fuels and Solvent Use[↵]
- Other [↵]

Volume 4. AFOLU Sector[↵]

- Introduction[↵]
- Generic methodologies[↵]
- Consistent representation of land[↵]
- Land use [categories](#)[↵]
- Emissions from Livestock and Manure Management[↵]
- Managed soil⁹[↵]
- Other [↵]

Volume 5. Waste Sector[↵]

- Introduction[↵]
- Solid Waste Disposal[↵]
- Biological Treatment of Solid Waste[↵]
- Incineration and Open Burning of Waste[↵]
- Wastewater Treatment and Discharge[↵]
- Other [↵]

⁹ As expanded by the Wetlands Supplement guidance/categorization[↵]

Draft Instructions to Experts and Authors

- Here the term “Experts” covers Co-Chairs, members of the TFI Bureau (TFB), TSU Staff, Coordinating Lead Authors (CLAs), Lead Authors (LAs), and Review Editors (REs) as well as Contributing Authors (CAs) and Expert Reviewers.

Procedures for the preparation, review, acceptance, adoption, approval and publication of IPCC Reports are explained in [Appendix A](#) to the Principles Governing IPCC Work

<https://www.ipcc.ch/documentation/procedures/>

Draft Instructions to Experts and Authors: Authors

- **Confidentiality:** Authors meetings are closed meetings and discussions are confidential except for any published report of the meeting. Draft reports, prior to acceptance, to be “pre-decisional”, and provided in confidence to reviewers, and not for public distribution, quotation or citation.
- **Conflict of Interest:** The IPCC implements a [Conflict of Interest Policy](#) that applies to all individuals directly involved in the preparation of IPCC reports. Experts involved in IPCC activities shall avoid any conflict of interest.
- **Tasks and responsibilities of authors** are explained in [Annex 1](#) of the Appendix A to the Principles Governing IPCC Work.
- Procedure on the **use of literature** in IPCC Reports is explained in [Annex 2](#) of the Appendix A to the Principles Governing IPCC Work.
- Should be familiar with IPCC inventory glossary and approaches.

Draft Instructions to Experts and Authors: Approach

- Target audience is national inventory compilers, thus emphasis should be on clear communication of practical and understandable guidance with Tier 1 methods applicable under any national circumstances.
- Cookbook approach by providing clear step by step instructions
- Consider all recent scientific developments and methods used in national inventories
- Significant changes from the *2006 IPCC Guidelines* will have significant implications for all countries. Substantial changes should only be introduced if they can be justified on sound scientific and technical grounds.
- Glossary of the *2019 Refinement* as a basis

Draft Instructions to Experts and Authors: IPCC Default Values

- Reproducibility of IPCC default is key. Thus, guidance is to be given to authors:
 - To provide in the Methodology Report references to data sources and to methods applied to derive the IPCC default values
 - To support derivation of country-specific values
 - To compile all background data used to derive IPCC default values in a format to be readily uploaded in IPCC Emission Factor Database (EFDB) <https://www.ipcc-nggip.iges.or.jp/EFDB/main.php>
 - To use elicitation protocol for expert judgements

Draft Instructions to Experts and Authors: Methods & Units

- Prioritize IPCC methods
- Supplement, mutatis mutandis, IPCC methods
- Build on methods currently used by national inventories
- Prioritize national inventories and associated guidebooks to source default values for parameters and EFs
- Emissions must be in mass units (Gg)
- Activity data (AD) units need to be consistent across categories/sectors
- Conversion factors for AD and EF to SI units must be provided where needed

Metrics for Key Category Analysis will be considered in BOG1.

Thank you

<https://www.ipcc-nggip.iges.or.jp/index.html>