



2019 Refinement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories

IPCC 6th Cycle - From SR15 to Synthesis Report

UN Climate Change Conference

4 December 2018

Katowice, Poland

Eduardo Calvo Buendia & Kiyoto Tanabe, TFI Co-Chairs

ipcc

INTERGOVERNMENTAL PANEL ON climate change



National Greenhouse Gas Inventories

- National Greenhouse Gas Inventories are essential to transparent MRV system under the UNFCCC
- UNFCCC: Article 4, paragraph 1
 - All Parties, ..., shall:
 - (a) Develop, periodically update, publish and make available to the Conference of the Parties, in accordance with Article 12, national inventories of anthropogenic emissions by sources and removals by sinks of all greenhouse gases not controlled by the Montreal Protocol, **using comparable methodologies to be agreed upon by the Conference of the Parties;**
- Paris Agreement: Article 13, paragraph 7
 - Each Party shall regularly provide the following information:
 - (a) A national inventory report of anthropogenic emissions by sources and removals by sinks of greenhouse gases, **prepared using good practice methodologies accepted by the Intergovernmental Panel on Climate Change and agreed upon by the Conference of the Parties serving as the meeting of the Parties to the Paris Agreement;**

UNFCCC and IPCC Inventory Guidelines

New Supplementary Guidance in 2013



Currently, Non Annex I Parties use these under the UNFCCC.

Non-Annex I Parties are encouraged to use GPGs.

GPG2000
(non-LULUCF)

GPG2003
(LULUCF)



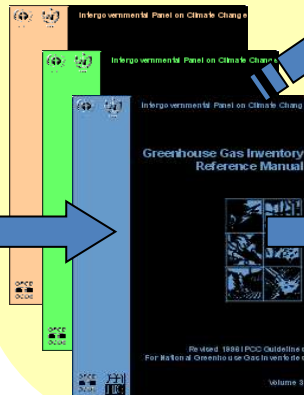
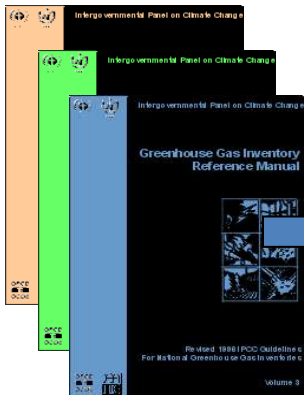
Annex I Parties must use from 2015

2006 IPCC Guidelines



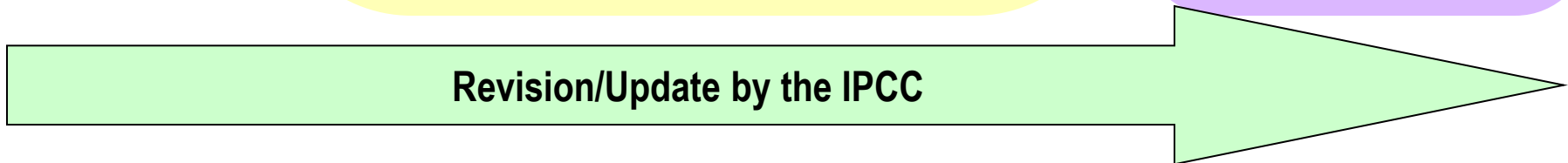
1995 IPCC Guidelines

Revised 1996 IPCC Guidelines



Actually, 2006 Guidelines are being used by more and more Non-Annex I Parties.

Revision/Update by the IPCC



Need for Refinement of 2006 IPCC Guidelines

- More than 10 years have passed since 2006.
- TFI Bureau (TFB) at its 26th meeting in 2014 concluded:
 - ✓ 2006 IPCC Guidelines provide a technically sound methodological basis of national greenhouse gas inventory, and therefore fundamental revision is not necessary
 - ✓ However, certain refinements may be required, taking into account scientific and other technical advances that have matured sufficiently since 2006
- IPCC at its 44th Session (17-20 October 2016, Bangkok, Thailand) decided to prepare a Methodology Report to refine the 2006 IPCC Guidelines (Decision IPCC/XLIV-5)
 - “*2019 Refinement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories*” (2019 Refinement)
- During its 44th Session, the Panel approved the outline of the 2019 Refinement (Decision IPCC/XLIV-5)

Objectives of 2019 Refinement

- The overall aim of the refinement of the 2006 IPCC Guidelines is to provide an updated and sound scientific basis for supporting the preparation and continuous improvement of national greenhouse gas inventories
- The refinement work **will not revise** the 2006 IPCC Guidelines, but **will update, supplement and/or elaborate** the 2006 IPCC Guidelines where gaps or out-of-date science have been identified
- The *2019 Refinement* will not replace the 2006 IPCC Guidelines, but will be used in conjunction with the 2006 IPCC Guidelines

Coverage and Structure

- **Coverage:** All IPCC inventory sectors are covered but refinements are included for only those categories where the science is considered to have sufficiently advanced since 2006 or where new or additional guidance is required
- **Structure:** Same as that of the 2006 IPCC Guidelines so as to make it easier for inventory compilers to use the *2019 Refinement* with the 2006 IPCC Guidelines
 - Overview Chapter
 - Volume 1: General Guidance and Reporting
 - Volume 2: Energy
 - Volume 3: Industrial Processes and Product Use
 - Volume 4: Agriculture, Forestry and Other Land Use
 - Volume 5: Waste

Time Frame

Event	Date
1 st Lead Author Meeting (Bilbao, Spain)	7 - 14 Jun 2017
2 nd Lead Author Meeting (Victoria Falls, Zimbabwe)	25 - 28 Sep 2017
FOD Expert Review	4 Dec 2017 - 11 Feb 2018 (10 weeks)
3 rd Lead Author Meeting (Cairns, Australia)	10 - 13 Apr 2018
Literature cut-off date	25 June 2018
SOD Government/Expert Review	2 Jul - 9 Sep 2018 (10 weeks)
4 th Lead Author Meeting (Rome, Italy)	22 - 26 Oct 2018
Final Draft Government Review	28 Jan - 24 Mar 2019 (8 weeks)
49 th Session of IPCC: Adoption/Acceptance	8-12 May 2019

FOD: First Order Draft; SOD: Second Order Draft

Final Draft and Government Review

- Authors are preparing the Final Draft for Government Review taking into account comments from Government and Expert Review of the Second-Order Draft
- Components: Overview Chapter, Individual chapters, Worksheets, Spreadsheets, Reporting Tables, Annexes, Appendices and Glossary
- From **28 January 2019** to **24 March 2019** (8 weeks)
- Authors will consider all the comments and prepare the amended FD for consideration by the **IPCC at its 49th Session** to be held on **8-12 May 2019** in Kyoto, Japan

More Information

- IPCC TFI Side Event “2019 Refinement, SLCF Expert Meeting and other IPCC TFI activities”
(Room Wisla, 18:30-20:00 on 7 December)
- IPCC TFI events at WMO/IPCC Pavilion
 - ✓ “IPCC tools for National GHG Inventories” (18:15-19:45 on 5 December)
 - ✓ “Looking Ahead to the 2019 Refinement and Future Work on SLCF Inventories” (10:00-11:30 on 13 December)
- IPCC TFI website

<https://www.ipcc-nggip.iges.or.jp/home/2019refinement.html>



Thank you

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