



Task Force on National Greenhouse Gas Inventories

# Work of the Task Force on National Greenhouse Gas Inventories (TFI)

TFI Co-chairs:

**Thelma Krug (Brazil), Taka Hiraishi (Japan)**



IPCC Plenary  
IPCC Bureau

IPCC Secretariat

Working Group I  
The Physical Science Basis  
TSU

(Switzerland)

Working Group II  
Climate Change Impacts, Adaptation and Vulnerability  
TSU

(USA)

Working Group III  
Mitigation of Climate Change  
TSU

(Germany)

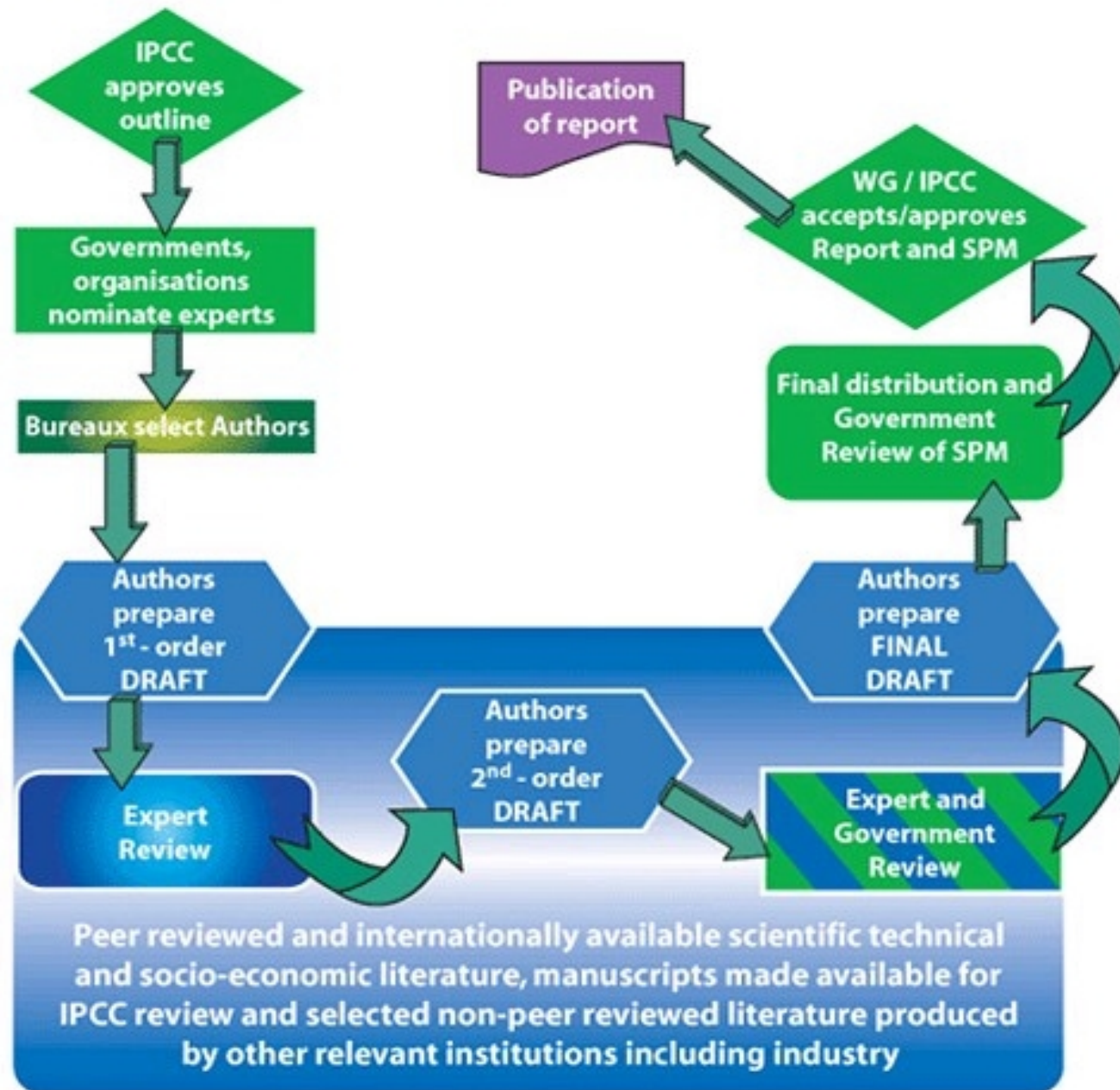
Task Force on National Greenhouse Gas Inventories  
TSU

(Japan)

Authors, Contributors, Reviewers



# IPCC Writing and Review Process

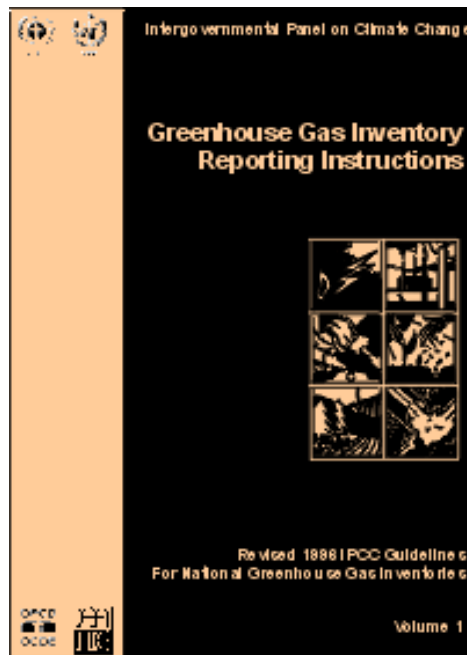


# IPCC - NGGIP Products

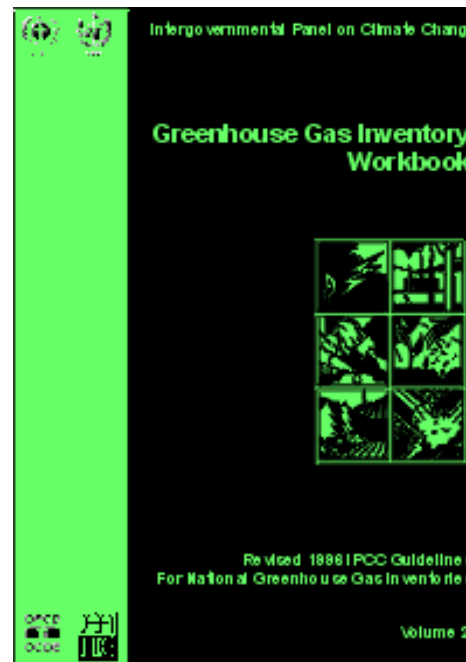
## “1995” and “Revised 1996” IPCC Guidelines for National Greenhouse Gas Inventories

<http://www.ipcc-nggip.iges.or.jp/public/gl/invs1.htm>

(cf. COP Decisions 4/CP.1, 9/CP.2, 2/CP.3 & 17/CP.8)

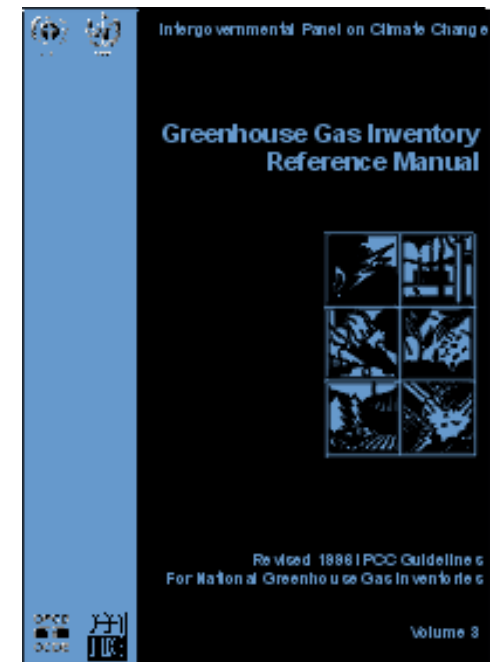


Volume 1  
Reporting  
Instructions



Volume 2  
Workbook  
+

IPCC Software



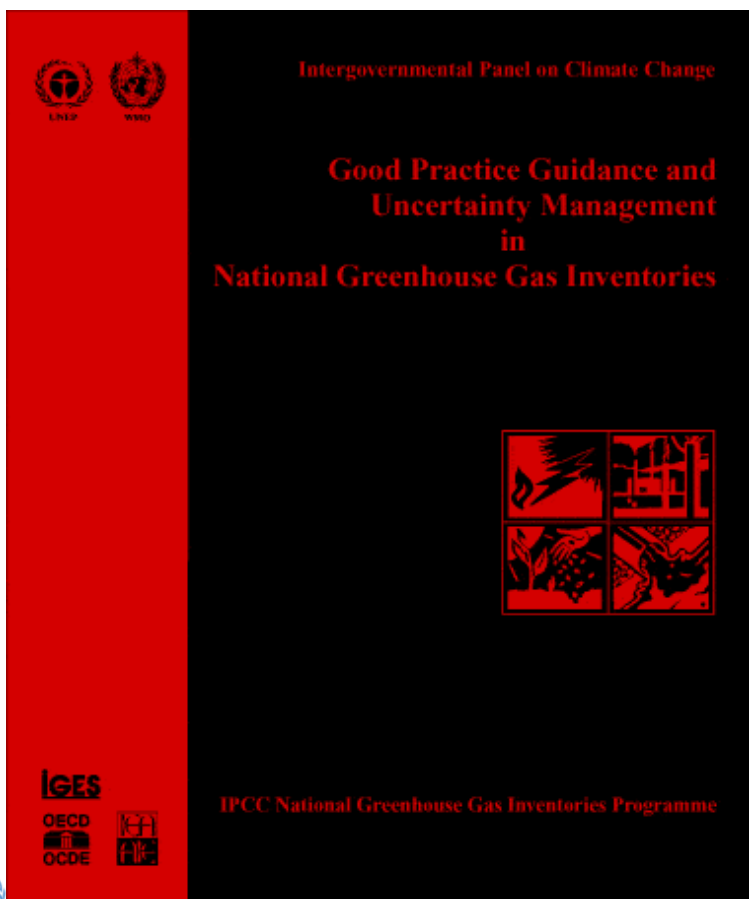
Volume 3  
Reference  
Manual



# IPCC NGGIP Products

## IPCC Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories “GPG-2000”

<http://www.ipcc-nggip.iges.or.jp/public/gp/english/> (All UN language versions)



Complements the Revised  
1996 IPCC Guidelines

published in 2000

**Use by Annex-I Parties required by  
"FCCC/SBSTA/2006/9 and 20/CMP.1.**

**For Non-Annex-I Parties, Dec.17/CP.8  
encourages its use.**

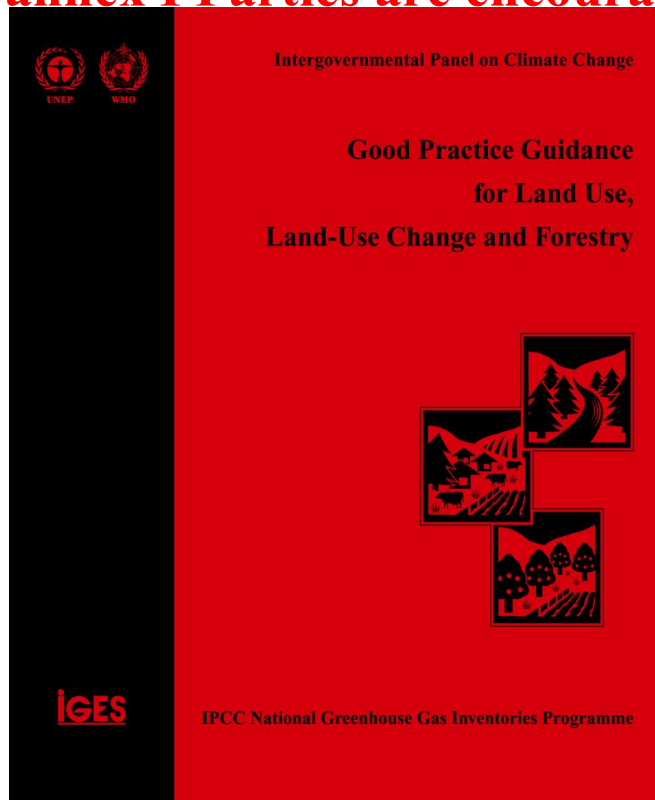
# IPCC NGGIP Products

## IPCC Good Practice Guidance for Land use, Land-Use Change and Forestry, 2003

<<http://www.ipcc-nggip.iges.or.jp/public/gpglulucf/gpglulucf.htm>>

Use by Annex I Parties required by  
FCCC/SBSTA/2006/9 and Decision 17/CMP.1).

Non-annex I Parties are encouraged to use by Decision 13/CP.9



Complements the Revised 1996  
IPCC Guidelines.

*GPG-LULUCF* provides  
supplementary methods and good  
practice guidance for estimating,  
measuring, monitoring and  
reporting on carbon stock changes  
and greenhouse gas emissions from  
LULUCF activities under Article 3,  
paragraphs 3 and 4, and Articles 6  
and 12 of the Kyoto Protocol.

ipcc  
INTERGOVERNMENTAL PANEL ON climate change

# Recent Output of the NGGIP

## 2006 IPCC Inventory Guidelines

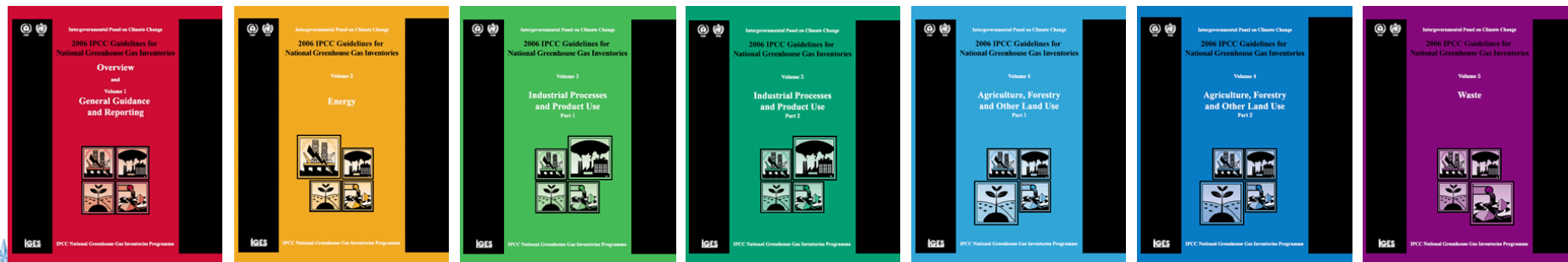
(2,000 pages, 10 Kgs. Adopted by IPCC 26 (Mauritius, April 2006))

- Revision of the Revised 1996GLs was completed on April 2006.

<http://www.ipcc-nggip.iges.or.jp/public/2006gl/index.htm>

- Use by Annex I Parties from 2015 onwards

< Decision 15/CP.17 >



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# The TFI:

- The TFI provides the scientific basis of internationally harmonised standards for estimating emissions of greenhouse gases or removals by sinks.
- *Using the IPCC Guidelines will generate national inventories that are Transparent, Complete, Consistent, Comparable, and Accurate*



# IPCC and UNFCCC

- The IPCC TFI guidelines provide:
  - Default methodologies and data for estimating and reporting national annual human-made emissions and removals,
  - “Good Practice” – neither over- nor under-estimate inventories as far as can be judged and uncertainties are reduced as far as possible.
  - General Reporting Guidance.
- The UNFCCC agrees which guidelines to use and how to report:
  - Developed countries will use 2006 IPCC Guidelines from 2013 onwards,
  - Developing countries will use 1996 Guidelines, and are encouraged to use 2000 and 2003 Good Practice Guidance.,

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# IPCC Inventory Guidelines

- In order to ensure the IPCC Guidelines are widely used and relevant to all countries the TFI:
  - Ensures that the guidelines take account of those with limited resources;
  - Provides tools such as the IPCC Inventory Software and Emission Factor Database;
  - Promotes the use of IPCC guidelines through increased understanding of the guidelines at the UNFCCC and other international meetings;
  - Aids training provided to developing countries around the world.

# IPCC Inventory Software

- This is one of the TFI activities to assist the use of the IPCC Guidelines, particularly by developing countries
- The software will:
  - aid preparation of national GHG inventories according to 2006 Guidelines either for complete inventories or for separate categories or groups of categories.
  - assist in training and inventory review
  - harmonise reporting of greenhouse gas inventories
  - archive data and complete inventories (which may consist of estimates for a number of years).
- The IPCC Inventory Software is now available for free. It can be downloaded from:

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



# The Emission Factor Database

- The IPCC Emission Factor Database (EFDB):
  - Is an electronic library of data useful to inventory compilers
  - Enables users to judge if the data is applicable to their specific circumstances
  - Provides references to source documents
  - Is freely available to all
  - Allows anyone to share data with others
  - All data is evaluated by Editorial Board
  - Is aimed at developing countries and those with limited resources



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# Continuous Improvement

- In order for the IPCC Guidelines to remain relevant, the TFI:
  - Updates and extends the guidance as scientific and technical understanding develops;
  - Reviews the guidance in light of any changes in the needs of the UNFCCC;
  - Considers ways of supporting users of the guidelines, for example by maintaining and improving the EFDB and Inventory Software.

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# The 2013 Supplement: Wetlands

- Wetlands (peat lands, marshes, bogs, mangroves, etc) represent globally a major carbon store, and scientific understanding is increasing.
- In 2011 the IPCC decided to extend its methods to cover wetlands. This work:
  - Will be consistent with earlier guidelines
  - Will provide methods for peatland rewetting and restoration as well as for coastal and other freshwater wetland types. (It will not cover reservoirs and other similar flooded lands as their scientific understanding is less well developed).
  - Will be completed at the Panel to be held in October 2013.

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## 2013 Revised Supplementary Methods and Good Practice Guidance Arising from the Kyoto Protocol

- The UNFCCC in Durban in December 2011 decided on revisions to the rules for accounting for human-induced greenhouse gas emissions and removals under the Kyoto Protocol.
- The UNFCCC invited the IPCC to update its guidance to match these new rules.
- At this meeting the IPCC agreed to:
  - Revise the existing guidance
  - To expedite its procedures to ensure this is finished in October 2013



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