



IPCC TFI: Recent Activities

16th Workshop on GHG Inventories in Asia (WGIA16)

New Delhi, India

10-12 July 2018

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IPCC Task Force on National Greenhouse Gas Inventories

- Task Force on National Greenhouse Gas Inventories (TFI) was established in 1998 by the IPCC
- The objectives of the IPCC TFI are:
 - to develop and refine an internationally-agreed methodology and software for the calculation and reporting of national GHG emissions and removals
 - to encourage the widespread use of this methodology by countries participating in the IPCC and by signatories of the United Nations Framework Convention on Climate Change (UNFCCC)
- Technical Support Unit (TSU) which is based in Japan provides support to the TFI under the overall supervision of the Bureau of the TFI (TFB)

Evolution of Inventory Guidelines

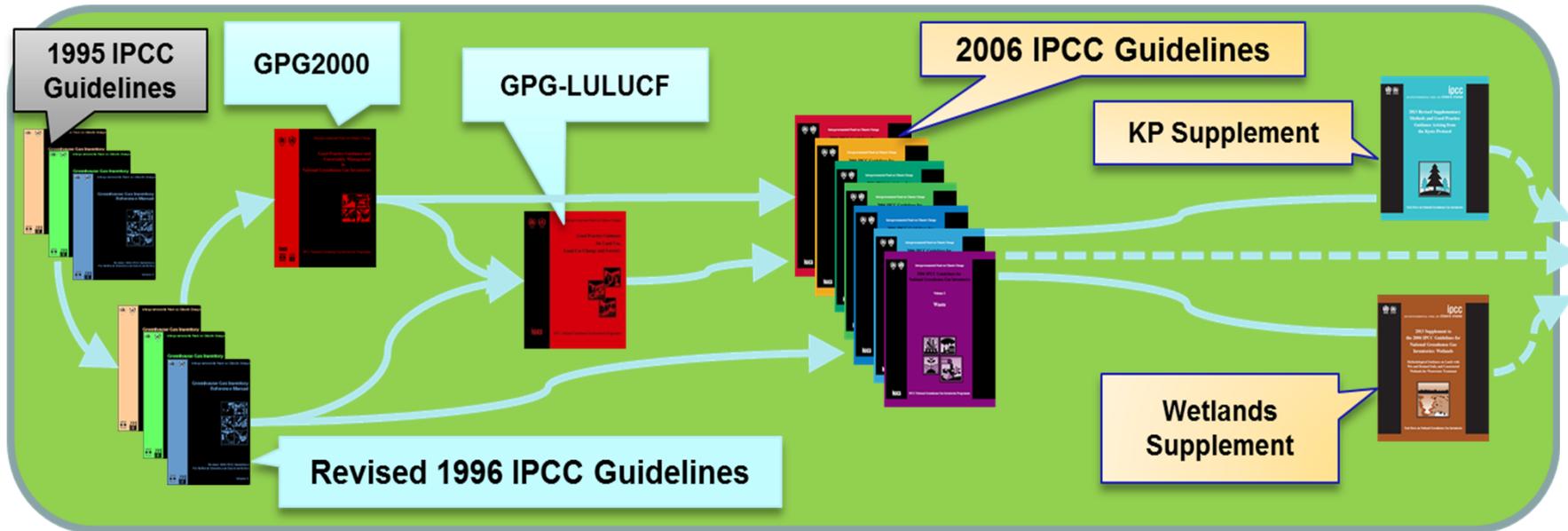
1995 1996 ... 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 ... 2017

FAQ website

Launched in 2008

IPCC Inventory Software

Launched in 2012



Emission Factor Database (EFDB)

Launched in 2002

Expert Meetings (Meeting Reports)

2019 Refinement

- IPCC at its 44th Session in October 2016 approved the Outline of the Methodology Report(s) and decided to prepare a Methodology Report to refine the 2006 IPCC Guidelines for National Greenhouse Inventories with the following format and title (*IPCC/XLIV-5*):
 - The format should be one single Methodology Report comprising an Overview Chapter and five volumes following the format of the *2006 IPCC Guidelines*
 - The title of the Methodology Report should be “*2019 Refinement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories*”

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the *2006 IPCC Guidelines*, but will update, supplement and/or elaborate the *2006 IPCC Guidelines* where gaps or out-of-date science have been identified.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*.

2019 Refinement: Work plan

Event	Date
1 st Lead Author Meeting (LAM1)	7-14 Jul 2017
2 nd Lead Author Meeting (LAM2)	25-28 Sep 2017
FOD Expert Review	4 Dec 2017 - 11 Feb 2018 (10 weeks)
3 rd Lead Author Meeting (LAM3)	Week of 9 - 13 Apr 2018
SOD Government/Expert Review	2 Jul - 9 Sep 2018 (10 weeks)
4 th Lead Author Meeting (LAM4)	Week of 22 - 27 Oct 2018
Final Draft Government Review	28 Jan - 24 Mar 2019 (8 weeks)
IPCC Panel Adoption/Acceptance	8-12 May 2019

FOD: First Order Draft

SOD: Second Order Draft

IPCC Emission Factor Database (EFDB)

- Library of emission factors and other parameters that can be used for estimation national GHG emissions/removals
- Two types of applications:
 - Web application
 - Offline application:
 - <http://www.ipcc-nggip.iges.or.jp/EFDB/main.php>
- Growing importance of the IPCC EFDB
 - Improvement of data quality by enhancement of the sharing of country-specific emission factors through the IPCC Emission Factor Database and among Parties not included in Annex I to the Convention (*FCCC/SBI/2011/5/Rev.1*)
 - If Annex I Parties lack country-specific information, they could also use EFs or other parameters provided in the IPCC Emission Factor Database, where available, provided that they can demonstrate that those parameters are appropriate in the specific national circumstances and are more accurate than the default data provided in the *2006 IPCC Guidelines (Decision 24/CP.19)*

IPCC Emission Factor Database (EFDB)

- Populating the database
 - Around 600 new data were accepted by EFDB Editorial Board at its 15th meeting held in December 2017 (Paris, France) for inclusion into the EFDB
- New upgraded version of EFDB was released in May this year. Some new features include:
 - ❖ Multi-assignment of IPCC categories and gases
 - ❖ Incorporation of additional gases to the nomenclature for IPPU sector
 - ❖ Incorporation of Wetlands Supplement categories
- Other improvements (e.g. improvements of website, user interface, updated User Manual)
- Open to any data proposals
 - To submit your data please contact TSU at ipcc-efdb@iges.or.jp

IPCC Emission Factor Database (EFDB)

EFDB
emission factor database

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IPCC web sites

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Main Page

Welcome to EFDB!

- Nature of EFDB:** EFDB is meant to be a recognised library, where users can find emission factors and other parameters with background documentation or technical references that can be used for estimating greenhouse gas emissions and removals. **The responsibility of using this information appropriately will always remain with the users themselves.**
- Request for data input:** Users are encouraged to provide the EFDB with any relevant proposals on emission factors or other related parameters. If you wish to submit your data, please contact the [Technical Support Unit](#).

The data proposal should include the following documents:
1). Filled in [EFDB data entry form](#).
2). A copy of data sources (e.g., peer-reviewed journal papers).

Acceptance of such proposals will be subject to evaluation by the [EFDB Editorial Board](#) using well-defined [criteria](#).
- Terminology:** EFDB is a database on various parameters to be used in calculation of anthropogenic emissions by sources and removals by sinks of greenhouse gases. It covers not only the so-called "emission factors" but also the other relevant parameters. For convenience sake, however, the term "Emission Factor" or its abbreviation "EF" is sometimes used to represent parameters in this database generally.
- Software requirements:** It is highly recommended to use Microsoft Internet Explorer version 5.0 or higher for best performance. Alternatively Netscape Navigator version 6.0 or higher can be used. It is also recommended to have Microsoft Office 97 or higher for generating Word and Excel outputs.
- EFDB at present contains the IPCC default data (Revised 1996 IPCC Guidelines, IPCC Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories, IPCC Good Practice Guidance for Land Use, Land-Use Change and Forestry, and 2006 IPCC Guidelines for National Greenhouse Gas Inventories), and data from peer-reviewed journals and other publications including National Inventory Reports (NIRs). The old [CORINAIR](#) data have been removed as it is outdated.
- Possible useful information (activity data, emission factors and parameters) for estimation of GHG emissions/removals can also be found in [other databases](#). The use of the other databases is the responsibility of the users.
- In principle, data that do not fully meet the acceptance criteria cannot be included into EFDB. However, there are other data that do not meet the criteria but considered useful to inventory compilers, such as those derived from best available information using expert judgement, etc. To support inventory compilers in case no other information is available, an [extra page](#) has been prepared to provide EFDB users with access to such data selected by the EFDB Editorial Board. The EFDB users must carefully read the introductory note to each set of data in this page and take it into consideration when using those data.

What's new

16 May 2018 - New version of the EFDB is available.

17 April 2018 - Lists of EFDB Editorial Board Members for 2018 and 2019 are available [here](#).

4 April 2018 - Upcoming meetings in 2018:

- 16th Meeting of the EFDB Editorial Board (EB16), November 2018 (tbc)

- 16th Expert Meeting on Data (LULUCF and Waste) for the EFDB, November 2018 (tbc)

9 November 2017 - Updated offline application of the EFDB (version 2.7) is available [here](#)

IPCC Inventory Software

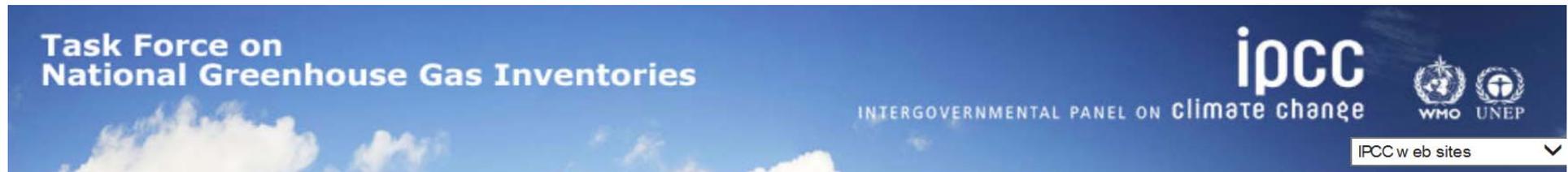
- Work to incorporate Tier 2 methods was completed in 2017 for the sectors Energy, Industrial Processes and Product Use, and Waste, while it has been done this year for Livestock, and is planned to be completed for other parts of AFOLU in the first quarter of 2019.
- Organization of expert meetings annually
 - Use of the 2006 IPCC Guidelines for National Greenhouse Gas Inventories: IPCC Expert Meeting to collect EFDB and Software users' feedback (14-17 March 2017, Kitakyushu, Japan; 31 Jul – 2 Aug 2018, Hayama, Japan)
- Continued support to users
 - Help Desk:
ipcc-software@iges.or.jp
 - Web Forum:
<https://discussions.zoho.com/ipccinventorysoftware/>
- The latest version of the software is available at
<http://www.ipcc-nggip.iges.or.jp/software/index.html>

Support to Training Programmes on GHG Inventories

- TFI itself does not organize training programmes
- Continued support to inventory-related capacity building programmes and activities implemented by other organizations (e.g. provide support through attendance of TSU staff as resource persons)
- Enhanced collaboration with UNFCCC Secretariat (Memorandum of Understanding signed in 2016) – workshops on the Building of Sustainable National Greenhouse Gas Inventory Management Systems and the Use of the 2006 IPCC Guidelines for National Greenhouse Gas Inventories:
 - 5-9 September 2016, Incheon, Republic of Korea: for the Asia-Pacific and the Eastern European Regions
 - 24-28 April 2017, Swakopmund, Namibia: for Africa
 - 21-25 May 2018, Montevideo, Uruguay: for Latin America
 - 4-8 June 2018, Lusaka, Zambia: for Africa

Other Activities and Products

- Expert meetings
 - Supporting users of the IPCC Guidelines addressing various topics of concern
- Supporting materials (e.g. meeting reports, technical bulletins, primer of the *2006 IPCC Guidelines*, brochures etc.)
 - Report of IPCC Scoping Meeting for a Methodology Report(s) to refine the 2006 IPCC Guidelines for National Greenhouse Gas Inventories, 2016
- Frequently Asked Questions (FAQs) website



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Emission Factor Database (EFDB)
Electronic Discussion Group (EDG)

The Intergovernmental Panel on Climate Change (IPCC) was established by the World Meteorological Organization (WMO) and the United Nations Environment Programme (UNEP) in 1988. Its main objective was to assess scientific, technical and socio-economic information relevant to the understanding of human induced climate change, potential impacts of climate change and options for mitigation and adaptation. The IPCC has completed four assessment reports, developed methodology guidelines for national greenhouse gas inventories, special reports and technical papers. For more information on the IPCC, its activities and publications, please see the [IPCC homepage](#).

The IPCC National Greenhouse Gas Inventories Programme was managed from 1991 by the IPCC WG I in close collaboration with the Organisation for Economic Co-operation and Development (OECD) and the International Energy Agency (IEA) until its transfer to the IPCC's Task Force on National Greenhouse Gas Inventories (TFI) based in Japan in 1999.

[\[More \]](#)

Wetlands Supplement

The 2013 Supplement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories: Wetlands (Wetlands Supplement) was

Thank you

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

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