



Task Force on National Greenhouse Gas Inventories

History and current activities of the IPCC TFI

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IPCC TFI Side-event

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INTERGOVERNMENTAL PANEL ON climate change

Outline

I) History: IPCC TFI

II) Recent Activities of the IPCC TFI

- Technical Assessment of IPCC Inventory Guidelines
- Emission Factor Database (EFDB)
- IPCC Inventory Software

III) Other Activities of IPCC TFI

IPCC TFI: History



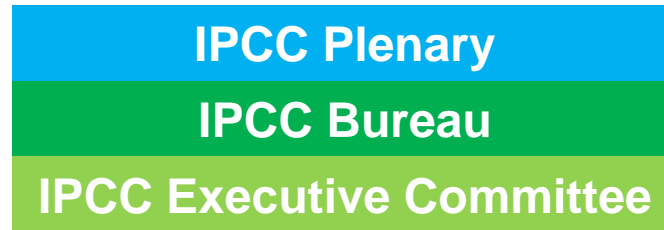
Task Force on National Greenhouse Gas Inventories (TFI)

- Task Force on National Greenhouse Gas Inventories (TFI) was established in 1998 by the IPCC
- The objectives of the TFI are:
 - To develop and refine an internationally-agreed methodology for 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 Parties of the United Nations Framework Convention on Climate Change (UNFCCC)
- Technical Support Unit (TSU) provides support to the TFI under the overall supervision of the Bureau of TFI

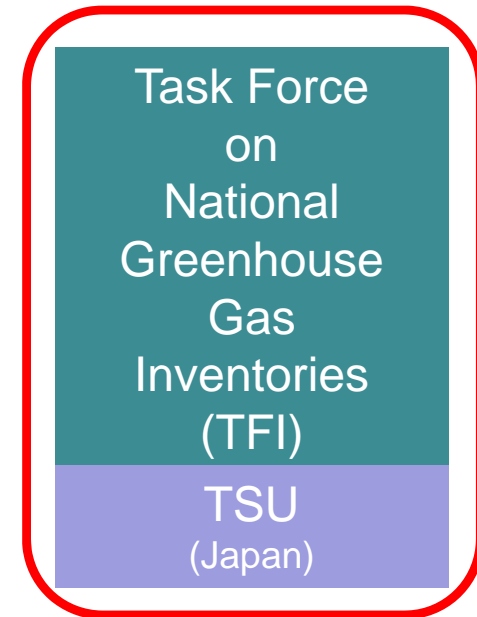
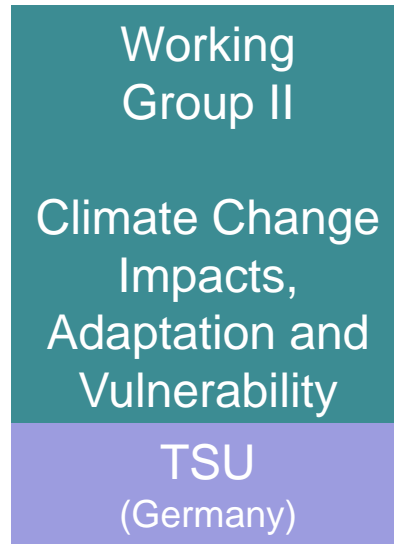
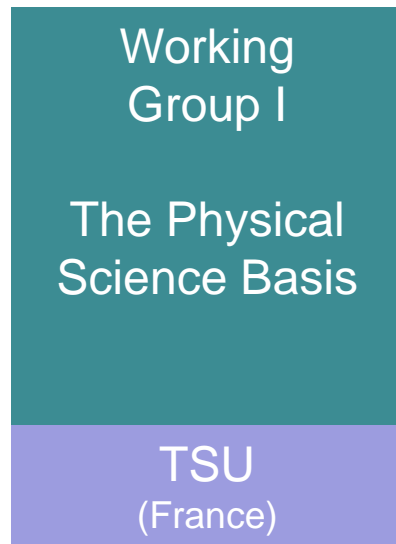
Transition from AR5 to AR6 cycle

- IPCC 41st Session (Feb 2015, Nairobi, Kenya) decided:
 - ❖ *The IPCC will continue to prepare every 5-7 years comprehensive Assessment Reports (AR).*
 - ❖ *The IPCC will continue to prepare Methodology Reports on National Greenhouse Gas Inventories.*
 - ❖ *The TFI will be retained with current mandate and structure and is expected to end in 2022 at the latest (Decision IPCC/XLI-4)*
- IPCC 42nd Session (Oct 2015, Dubrovnik, Croatia) elected new TFB for AR6 cycle

Structure of the IPCC (2015 -)



IPCC Secretariat
(in Geneva, Switzerland)

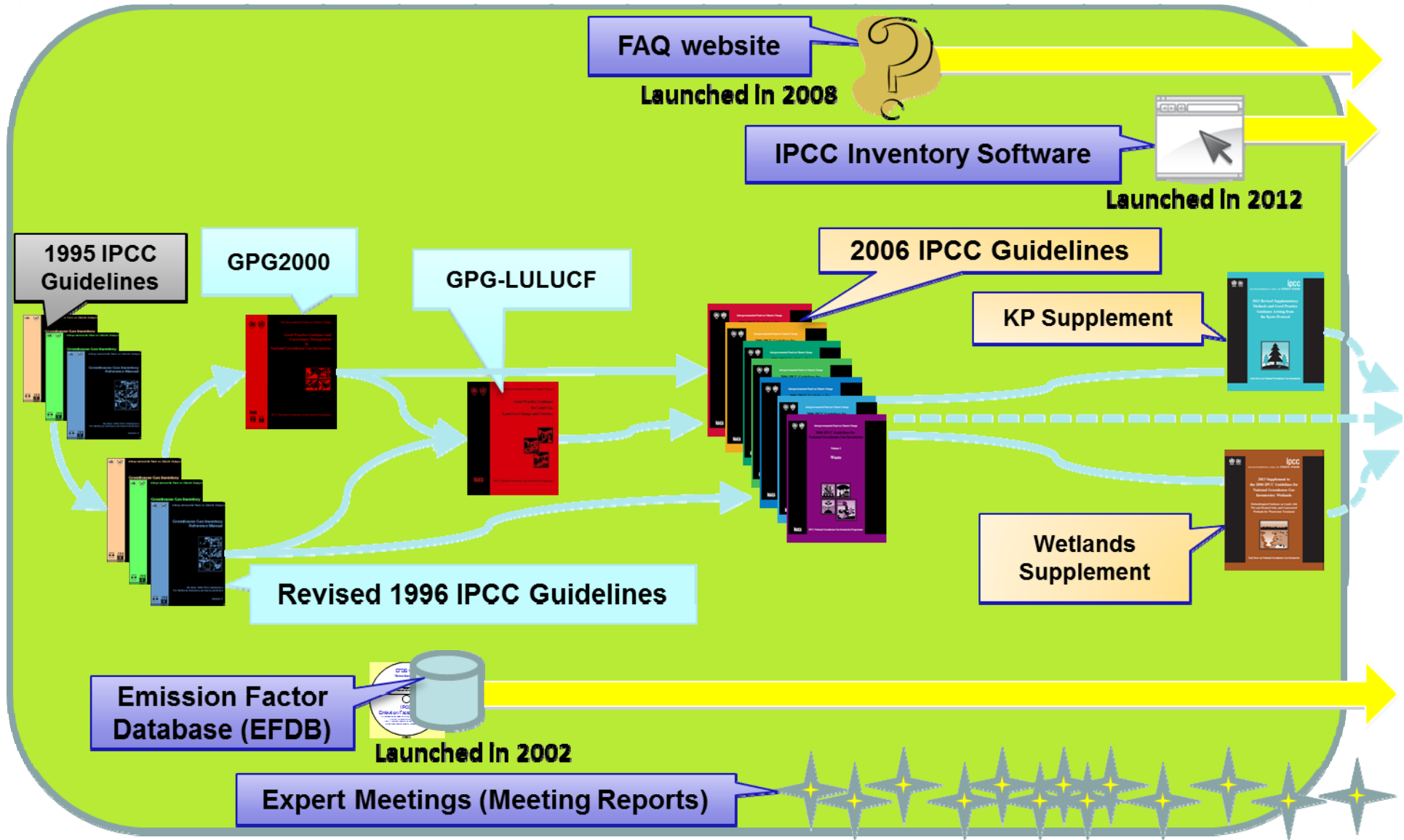


Authors, Contributors, Reviewers



IPCC Guidelines & Various Other Tools

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



2006 Guidelines being used by NAI Parties



- At the 42nd Session held in June 2015, the Subsidiary Body for Implementation (SBI) of the UNFCCC concluded under the agenda item on “Reporting from Parties not included in Annex I to the Convention”:
 - “The SBI noted the requests from non-Annex I Parties for further technical support aimed at improving their domestic capacity to facilitate continuity in meeting reporting requirements through training on the use of the *2006 IPCC Guidelines for National Greenhouse Gas Inventories, ...*” (FCCC/SBI/2015/10, paragraph 29)

IPCC TFI: Current Activities



Technical Assessment of IPCC Inventory Guidelines (1)

- 10 years since *2006 IPCC Guidelines* were produced
- Expert Meeting on Systematic Assessment of TFI Products (25-27 August 2014 in Ottawa, Canada)
 - Assessed the TFI products including the *2006 IPCC Guidelines*
- Subsequently, TFI Bureau (TFB) concluded:
 - The *2006 IPCC Guidelines* provide a technically sound methodological basis of national greenhouse gas inventory, and therefore fundamental revision is unnecessary
 - To keep the validity of the *2006 IPCC Guidelines*, certain refinements may be required, taking into account scientific and other technical advances that have matured sufficiently since 2006
 - More in–depth technical assessments should be undertaken

Technical Assessment of IPCC Inventory Guidelines (2)

- Through the combination of an on-line questionnaire survey and expert meetings
- The on-line questionnaire survey aimed to collect inputs from inventory experts about the need and the feasibility of methodological development or refinement for specific categories and gases
 - Conducted from 30 January to 27 February 2015
- The TFB considered the results of the survey and developed a provisional list of categories and gases as well as cross-sectoral issues for consideration more in detail at the expert meetings
 - Expert Meeting on Energy, IPPU, Waste Sectors (29 June -1 July 2015, Geneva, Switzerland)
 - Expert Meeting on AFOLU Sector (13-16 July 2015, Sao Paulo, Brazil)
 - Follow up Expert Meeting and Cross-Sectoral Meeting (25-29 April 2016, Wollongong , Australia)

Aims of Technical Assessment Work (3)

- The work aims:
 - to assess where science and data availability have developed sufficiently since the 2006 IPCC Guidelines to support the refinement or development of methodological advice for specific categories and gases, with a view to identifying any specific areas or issues to be prioritized.
 - to conduct technical assessment on cross-sectoral issues, such as those covered in Volume 1, including improvement of user-friendliness of other inventory tools with a view to contributing to capacity development programmes.

Technical Assessment -Scope (4)

- Technical assessment on all the four sectors:
 - Available science and data
 - Need and feasibility of methodological development/refinement
- The assessment took into account:
 - Existing guidance in the 2006 IPCC Guidelines and the 2013 Wetlands Supplement
 - Associated Products such as IPCC Inventory Software and the Emission Factor Database
- Focused on specific source/sink categories and gases selected according to significance and prioritization criteria.

Technical Assessment: Significance & prioritization criteria (5)

- Significance of the source/sink and the gas within the sector on a global scale.
 - Only for a limited number of particular countries -NO
 - New information would likely lead to a definite improvement?
- Availability of relevant new scientific results.
- Sufficient data was available and maturity of scientific advances since 2006; to provide a basis for methodological development or refinement, including:
 - Ability/potential to develop new or updated default emission/removal factors
 - Feasibility of obtaining the necessary data to implement the methods
- Emergence of new sources or gases

Technical Assessment of IPCC Inventory Guidelines (6)

- The on-line questionnaire survey
 - Experts who were nominated by governments and international organizations
 - Experts who have contributed to TFI work
- 243 experts submitted their views

	Number of respondents	Number of comments
Energy Sector	76	206
IPPU Sector	42	128
AFOLU Sector	137	380
Waste Sector	43	112
Other Sector	5	6
Cross-Sectoral	58	155
TOTAL	243	987

IPCC EFDB (1)

- Library of emission factors/parameters and other relevant data
 - Default values from IPCC Guidelines
 - Data from peer-reviewed scientific papers
 - Data from non-peer reviewed publications (government reports, industry studies etc.)

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

- Evolves dynamically – data proposals (e.g. inventory compilers, researchers) and data collection efforts (e.g. expert meetings)
 - Open to any data proposals
- Communication platform for distribution of new research and measurement data
- Data evaluated by Editorial Board
- Users decide if data is suitable in their specific situation

IPCC EFDB (2)

- Continuing efforts for data collection
 - Expert meetings
 - 13th and 14th Expert Meetings on Data to be held in December 2016
 - Literature search
- Annual Editorial Board meeting to discuss how to enhance/improve the EFDB and evaluate data proposals
 - 14th Meeting of Editorial Board to be held in December 2016
- User-interface is being further improved

IPCC Inventory Software (1)

- Implements the *2006 IPCC Guidelines*, but it can also be used for reporting under the *Revised 1996 IPCC Guidelines*
 - Output in Non-Annex I National Communications format
 - Can be used for the whole inventory or individual categories
- Database based, does not require internet access or expensive hardware, freely available at IPCC TFI website
<http://www.ipcc-nggip.iges.or.jp/software/index.html>
- The latest version of Inventory Software - Ver 2.17 was released on 1 March 2016
- Includes Uncertainty & Key Category Analysis and aids QA/QC
- Can export/import inventory data (e.g. worksheet data) and generates reporting tables (e.g. sectoral and background)

IPCC Inventory Software (2)

- Continuing support to users:
 - Help Desk:
ipcc-software@iges.or.jp
 - Web Forum:
<https://discussions.zoho.com/ipccinventorysoftware/>
- Organizing expert meetings annually
 - Expert meeting to collect EFDB and Software users' feedback, 17-19 March 2015, Okinawa, Japan
 - Expert meeting to collect EFDB and Software users' feedback, 25-28 January 2016, Kobe, Japan
- Work to implement Tier 2 methods for some (not all) categories under Energy, IPPU and Waste Sectors is under way, and the updated version will be made available later this year.
- AFOLU worksheets for Tier 2 implementation are being prepared.

IPCC TFI: Other Activities

Other TFI Activities

i) Expert Meetings

- Supporting users of the IPCC Guidelines through expert meetings addressing various topics of concern

ii) Frequently Asked Questions (FAQs)

- Answers to FAQs - <http://www.ipcc-nggip.iges.or.jp/faq/faq.html>
- Continuously updated – new Q&As related to the use of 2006 IPCC Guidelines to other areas

III) Support to Training Programme on GHG Inventories

- TFI itself does not organize training programmes
- However, provides technical support to those hosted by others through attendance of TSU staff as resource persons

Support to Training Programme on GHG Inventories

- Regional African Workshops on REDD+ National Forest Monitoring Systems and Greenhouse Gas National Inventory Systems, 25-27 February 2014, Livingstone, Zambia
- Workshop on National Greenhouse Gas Inventory System for Lusophone Countries, 2-4 April 2014, Luanda, Angola
- JICA Training Course: Development of Strategies on Climate Change, 12-15 August 2014, Tokyo, Japan
- African Regional Workshop: Technical Training on National GHG Inventories, 24-27 March 2015, Windhoek, Namibia
- Regional Training on National GHG Inventories using the 2006 IPCC Guidelines and the IPCC Inventory Software, 22-23 April 2015, Kuala Lumpur, Malaysia
- African Regional Workshop: Joint UNFCCC/IPCC Technical Training on National GHG Inventories, 23-25 March 2016, Maseru, Lesotho

This Side Event:

- Provides you with up-to-date information on IPCC TFI activities to support UNFCCC process.
- Delivers presentations on:
 - History and current activities of the IPCC TFI (Sekai Ngarize- IPCC TFI)
 - SBI-42 Mandate and MoU between the IPCC and the UNFCCC
Dominique Revet (UNFCCC Secretariat)
 - Technical Assessment. Results of expert meetings in 2015 and 2016
(Baasansuren Jamsranjav-IPCC TFI)
 - Procedures and timeline for production of a Methodology Report (Pavel Shermanau IPCC TFI)
 - Views on IPCC TFI contribution to implementation of Paris Agreement
(Eduardo Calvo- IPCC TFI Co-Chair)

Task Force on National Greenhouse Gas Inventories

Thank You

Any Questions?

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