



# **INTRODUCTION TO IPCC TASK FORCE ON NATIONAL GHG INVENTORIES (TFI)**

**IPCC TFI Side Event**

**UN Climate Change Conference COP22/CMP12/CMA1**

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# Task Force on National Greenhouse Gas Inventories (TFI)

- IPCC was established by WMO and UNEP in 1988.
- TFI was established by IPCC at the 14<sup>th</sup> Session in 1998.
- Objectives of TFI:
  - 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).

# Background

- Technical Support Unit (TSU) provides support to the TFI under the overall supervision of the Bureau of the TFI (TFB)
- The TFI will be retained with current mandate and structure under the next assessment cycle: starting in October 2015 and ending one year after the session at which the final product of the AR6 will have been accepted (Decision IPCC/XLI-4)

# Structure of the IPCC (2015 -)



**IPCC Plenary**

**IPCC Bureau**

**IPCC Executive Committee**

IPCC Secretariat  
(in Geneva,  
Switzerland)

Working  
Group I

The Physical  
Science Basis

TSU  
(France)

Working  
Group II

Climate Change  
Impacts,  
Adaptation and  
Vulnerability

TSU  
(Germany)

Working  
Group III

Mitigation  
of  
Climate Change

TSU  
(UK)

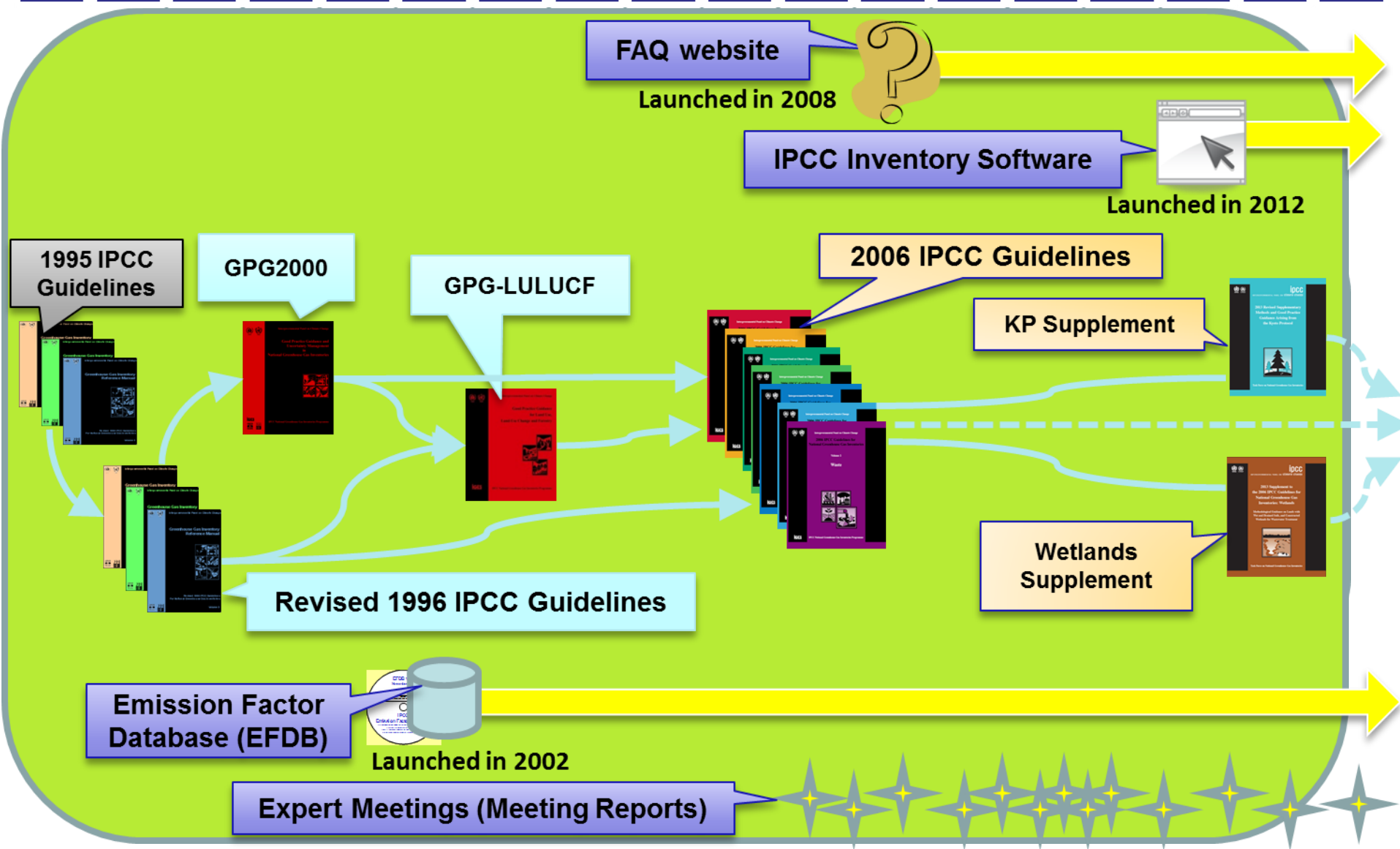
Task Force  
on  
National  
Greenhouse  
Gas  
Inventories  
(TFI)

TSU  
(Japan)

**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



# Recent IPCC Decisions, Relevant to TFI (1)

- IPCC-41 (Feb 2015, Nairobi, Kenya) decided:
  - The IPCC will continue to prepare Methodology Reports on National Greenhouse Gas Inventories.
  - The TFI will be retained with current mandate and structure.
- IPCC-42 (Oct 2015, Dubrovnik, Croatia) elected new TFB for AR6 cycle.

# Recent IPCC Decisions, Relevant to TFI (2)

- IPCC-43 (Apr 11-13 2016, Nairobi, Kenya) approved the TFI's proposal and decided to consider the outline of the Methodology Report(s) at the IPCC-44 in October 2016.
- IPCC-43 also approved the proposal to hold a scoping meeting before the IPCC-44 for the preparation of the Methodology Report(s).
- IPCC-44 (Oct 17-20 2016, Bangkok, Thailand) decided to prepare a "Methodology Report to refine the 2006 IPCC Guidelines for National GHG Inventories".

# 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 other publications (e.g. 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
  - Data proposals are evaluated by EFDB Editorial Board
- Communication platform for distribution of new research and measurement data



# IPCC EFDB (2)

- Annual meeting of the Editorial Board: to evaluate data proposals and discuss how to enhance/improve the EFDB
  - 13<sup>th</sup> Meeting of Editorial Board (18-20 November 2015, Hayama, Japan).  
About **360** data accepted by the Editorial Board for inclusion into the EFDB
  - 14<sup>th</sup> Meeting of Editorial Board (to be held in December 2016, Indonesia)
- Continuing efforts for data collection
  - 11<sup>th</sup> and 12<sup>th</sup> Expert Meetings on Data for Energy and IPPU sectors (19-20 November 2015, Hayama, Japan)
  - 13<sup>th</sup> and 14<sup>th</sup> Expert Meetings on Data (to be held in Dec 2016, Indonesia)
  - Data collection by TSU (e.g. literature search)
- Other activities (e.g. improvements of website, user-interface, data entry form)

# IPCC Inventory Software (1)

- Implements the 2006 IPCC Guidelines, but can also be used for reporting under the Revised 1996 IPCC Guidelines
  - Output in reporting tables for national communications from Non-Annex Parties
  - 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>

- Includes Uncertainty Analysis and Key Category Analysis tools, and aids QA/QC
- Can export/import inventory data (e.g. worksheet data) and generate reporting tables (e.g. sectoral and background)
- The latest version was released in March 2016 (ver. 2.17)

# IPCC Inventory Software (2)

- Continuing support to users
  - Help Desk:  
[ipcc-software@iges.or.jp](mailto:ipcc-software@iges.or.jp)
  - Web Forum:  
<https://discussions.zoho.com/ipccinventorysoftware/>
- Collecting feedback from users to continuously improve the software
  - An expert meeting to collect feedback is organized every year
- Work to incorporate Tier 2 methods is underway

# 2006 Guidelines being used by NAI Parties

- Subsidiary Body for Implementation (SBI) at its 42<sup>nd</sup> Session in June 2015 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)

# Support to Training Programmes 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. Recently there were several such trainings on Building of Sustainable National Greenhouse Gas Inventory Management Systems, organized by the UNFCCC Secretariat, with the participation of the TSU experts, under the MoU between UNFCCC and IPCC, e.g.:
  - Africa Regional Workshop in Namibia (Oct 2015)
  - Africa Regional Workshop in Lesotho (Mar 2016)
  - The Latin America and Caribbean Workshop in Panama (Jun 2016)
  - Workshop for the Asia-Pacific and the Eastern European Regions in Republic of Korea (Sep 2016)

# Other Activities and Products

- Expert meetings
  - Supporting users of the IPCC Guidelines addressing various topics of concern
- Supporting materials
  - Technical bulletins, primer of the 2006 IPCC Guidelines, brochures etc.
- Frequently Asked Questions (FAQs) website
  - Continuously updated

# This Side Event:

- Will provide you with up-to-date information on IPCC TFI activities to support UNFCCC process;
- Will deliver presentations, following this one, on:
  - i. UNFCCC perspective (10 min)
    - Speaker: William Agyemang-Bonsu (UNFCCC Secretariat)
  - ii. Technical Assessment of IPCC Inventory Guidelines (15 min)
    - Speaker: Sekai Ngarize (TFI Technical Support Unit)
  - iii. 2019 Refinement to the 2006 IPCC Guidelines for National GHG Inventories (15 min)
    - Speaker: Baasansuren Jamsranjav (TFI Technical Support Unit)
  - iv. 2019 Refinement: Way forward (15 min)
    - Speaker: Pavel Shermanau (TFI Technical Support Unit)



# THANK YOU FOR YOUR ATTENTION

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