

FIFTY-THIRD (bis) SESSION OF THE IPCC
Electronic Session, 22 – 26 March 2021

IPCC-LIII(bis)/INF. 5
(3.III.2021)
Agenda Item: 4.5
ENGLISH ONLY

PROGRESS REPORTS

Task Force on National Greenhouse Gas Inventories

(Prepared by the Co-Chairs of the Task Force on National Greenhouse Gas Inventories)

(Submitted by the Secretary of the IPCC)

PROGRESS REPORTS

Task Force on National Greenhouse Gas Inventories

This report describes the progress in the work of the Task Force on National Greenhouse Gas Inventories (TFI) since the last update presented at the 52nd Session of the IPCC in February 2020 (IPCC-LII/INF. 3). It covers progress in:

- Preparatory works for the Expert Meetings on the Methodology Report on Short-Lived Climate Forcers (SLCFs);
- The development and maintenance of the IPCC Inventory Software;
- The data population and maintenance of the IPCC Emission Factor Database.

1. Methodological Work on Short-lived Climate Forcers (SLCF)

The preparatory work for the Methodology Report on SLCF (Decision IPCC-XLIX-7) is ongoing. The Task Force on National Greenhouse Gas Inventories Technical Support Unit (TFI TSU) has compiled source categories of SLCF emissions and has produced a comparative analysis of IPCC methodologies for Greenhouse Gas (GHG) emissions and available methodologies to estimate SLCF emissions in order to assess their degree of integration, as well as any gaps. The draft analysis for each inventory sector -Energy, Industrial Processes and Product Use (IPPU), Agriculture, Forestry and Other Land Use (AFOLU), Waste- was already shared with the organizations that produce SLCF's methodologies and their feedbacks were collected. That analysis was also shared with the experts who will participate in the expert meetings, to collect their feedbacks by June in order to prepare materials to be used at the expert meetings.

Because of restrictions to travels and meetings caused by the COVID-19 outbreaks, the TFI is going to reschedule the expert meetings that were originally planned for 2020, as follows:

- Expert meeting on SLCF emissions from sources in the AFOLU and Waste sectors, Food and Agriculture Organization (FAO), Rome, Italy, September 2021 (TBC)
- Expert meeting on SLCF emissions from sources in the Energy and IPPU sectors, Istanbul, Turkey, October 2021 (TBC)

In order to facilitate this work, the Norwegian Environment Agency kindly provided extra budgetary contribution of NOK 1,000,000 in September 2020, in addition to the contribution made in October 2019. The TFI extends its appreciation to the government of Norway for this support.

2. IPCC Inventory Software

The TFI keeps improving the IPCC Inventory Software and support its users, including through a new Frequently Asked Questions (FAQs) page on the TFI website. A new beta version, ver. 2.77, with enhanced capacity for Tier 2 as well as for the land representation in the AFOLU sector is currently under testing.

The TFI is currently working to enhance the capacity of the IPCC Inventory Software to enable use of Tier 2 methods and all approaches for land representation for 3.B categories (i.e. Land-related categories in the AFOLU sector) as well as to enable use of Tier 2 and 3 methods for the Energy sector.

TFI TSU has been making efforts to help inventory compilers better understand and use the IPCC Inventory Software by participating in outreach events organized by other international organizations. Recent examples of such outreach events are those of the United Nations Framework Convention on Climate Change (UNFCCC) Climate Dialogues, December 2020, the Organization for Economic Co-Operation and Development (OECD) Climate Change Expert Group, December 2020 and February 2021, as well as of the UNFCCC Secretariat on Remote Training on the IPCC Inventory Software for the African Region, February 2021.

TFI TSU completed an activity of verification of the IPCC Inventory Software carried out with the in-kind contribution of the United Nations Development Programme (UNDP). The TFI extends its appreciation to the UNDP for this support.

3. Emission Factor Database (EFDB)

The TFI has continued its work to maintain, improve and promote the Emission Factor Database (EFDB).

The terms for 8 out of 36 current members of the EFDB Editorial Board expired at the end of 2019 and for other 10 members the terms expired at the end of 2020. The Bureau of the Task Force on National Greenhouse Gas Inventories (TFB) completed the selection of experts from nominations collected from IPCC Member countries and observer organizations to fill the vacant positions from the year 2020 and 2021. Out of 18 positions to be renewed, 7 were assigned to re-elected experts while 11 were assigned to new experts (see the Annex).

Because of restrictions to travels and meetings caused by the COVID-19 outbreaks, the TFI has changed its plan on the annual meetings on EFDB that were originally planned as in-person meetings:

- The 18th meeting of the EFDB Editorial Board (EB meeting) was held virtually in September 2020.
- The expert meeting on data for the EFDB (Data meeting) for the year 2020 as the 18th Data meeting was cancelled. The Data meeting for the year 2021 is planned to be held virtually as the 18th Data meeting in 4 sessions of the Energy sector break-out group from 12 April to 17 May 2021.
- The 19th EB meeting is planned to be held virtually in 3 sessions from 13 April to 21 May 2021 for each of the following sectoral break-out groups: Industrial Processes and Product Use (IPPU), Agriculture, Forestry and Other Land Use (AFOLU), and Waste. The concluding plenary of EB meeting is planned to be held virtually on 28 May 2021.

The EFDB was upgraded with the aim to improve its user-friendliness. The new version was released on the TFI website in November 2020.

4. Others

The 12th corrigenda to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories (2006 IPCC Guidelines) was released in July on the TFI website (<https://www.ipcc-nggip.iges.or.jp/public/2006gl/index.html>). Accordingly, the English version of the 2006 IPCC Guidelines on the TFI website has been updated.

Because of restrictions to travels and meetings caused by the COVID-19 outbreaks:

- The annual expert meeting to collect EFDB and Software users' feedback for the year 2020 was originally planned to be held in Hayama, Japan in December 2020, but it was cancelled;
- The TFB 32nd meeting for the year 2020 was held virtually on 11-12 November 2020;
- The TFB 33rd meeting will be held back to back with the 2nd expert meeting on SLCF in October 2021 (TBC).

Annex

EFDB Editorial Board Membership (2020)

Energy	Industrial Processes and Product Use (IPPU)	Agriculture	Land Use, Land-Use Change and Forestry (LULUCF)	Waste
Mingshan Su (China)	Laura Elena Dawidowski (Argentina)	Marta A. Alfaro (Chile)	Dalton de M. Valeriano (Brazil)	Joao Wagner Silva Alves (Brazil)
Ole-Kenneth Nielsen (Denmark)	Qing Tong (China)	Hongmin Dong (China)	Robert F. Grant (Canada)	Zhanyun Ma (China)
Amit Garg (India)	Eva Krtková (Czech Republic)	Andrea H. Pickering (Global Research Alliance on Agricultural Greenhouse Gases)	Chengyi Zhang (China)	Romain Bort (France)
Cynthia A. Randles (IPIECA)	Kristina Saarinen (Finland)	Niveta Jain (India)	Zoltan Somogyi (Hungary)	Tomonori Ishigaki (Japan)
Inga Konstantinaviciute (Lithuania)	<u>Kerstin Martens</u> (Germany)	Leandro Buendia (Philippines)	Haruni Krisnawati (Indonesia)	Moonjung Kim (Korea, Rep of)
Gossi Awad Ahmed Babiker (Sudan)	Tatsuya Hanaoka (Japan)	<u>Stephen J. Del Grosso</u> (USA)	<u>María José Sanz Sánchez</u> (Spain)	<u>Irina Govor</u> (Russian Federation)
Javier Marcelo Hanna Figueroa (UNFCCC)	Ekaterina Imshennik (Russian Federation)	Washington Zhakata (Zimbabwe) ¹	Asia Mohamed (Sudan)	Jongikhaya Witi (South Africa)
		Martial Bernoux (FAO)		

Members who are newly selected: highlighted in bold

Members who are re-selected: highlighted in bold with underline

¹ A member of the Editorial Board for Agriculture sector, Mr Washington Zhakata from Zimbabwe, resigned in July 2020.

EFDB Editorial Board Membership (2021)

Energy	Industrial Processes and Product Use (IPPU)	Agriculture	Land Use, Land-Use Change and Forestry (LULUCF)	Waste
Mingshan Su (China)	Laura Elena Dawidowski (Argentina)	Marta A. Alfaro (Chile)	Gabriel G. Vazquez Amabile (Argentina)	Estela Mercedes Santalla (Argentina)
<u>Ole-Kenneth Nielsen</u> (Denmark)	Qing Tong (China)	<u>Hongmin Dong</u> (China)	Roberta Zecchini Cantinho (Brazil)	Zhanyun Ma (China)
Amit Garg (India)	Eva Krtková (Czech Republic)	Andrea H. Pickering (Global Research Alliance on Agricultural Greenhouse Gases)	Robert F. Grant (Canada)	Romain Bort (France)
Zbigniew Klimont (IIASA)	Kristina Saarinen (Finland)	Niveta Jain (India)	Haruni Krisnawati (Indonesia)	<u>Tomonori Ishigaki</u> (Japan)
Cynthia A. Randles (IPIECA)	Kerstin Martens (Germany)	Leandro Buendia (Philippines)	Yasumasa Hirata (Japan)	Moonjung Kim (Republic of Korea)
Gossi Awad Ahmed Babiker (Sudan)	Ekaterina Imshennik (Russian Federation)	Stephen J. Del Grosso (USA)	María José Sanz Sánchez (Spain)	Irina Govor (Russian Federation)
Javier Marcelo Hanna Figueroa (UNFCCC)	Sébastien M. Raoux (USA)		Asia Mohamed (Sudan)	Sergii Shmarin (Ukraine)
		Martial Bernoux (FAO)		

Members who are newly selected: highlighted in bold

Members who are re-selected: highlighted in bold with underline