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## REPORTS

### **13<sup>th</sup> Editorial Board Meeting - IPCC Emission Factor Database (EFDB)** **18 - 20 November 2015 Hayama, Japan**

*Also including information on the 11<sup>th</sup> and 12<sup>th</sup> Expert Meetings on Data for the IPCC Emission Factor Database (EFDB), 19 - 20 November 2015 Hayama, Japan*

(Submitted by the Acting Secretary of the IPCC)

## REPORTS

### **13<sup>th</sup> Editorial Board Meeting - IPCC Emission Factor Database (EFDB) 18 - 20 November 2015 Hayama, Japan**

*Also including information on the 11<sup>th</sup> and 12<sup>th</sup> Expert Meetings on Data for the IPCC Emission Factor Database (EFDB), 19 - 20 November 2015 Hayama, Japan*

(Prepared by the Co-chairs of the Task Force Bureau)

#### **Introduction**

The 13<sup>th</sup> Meeting of the Editorial Board (EB13) was held on 18-20 November, 2015 at the Headquarters of Institute for Global Environmental Strategies (IGES), Hayama, Japan. The main objectives of the meeting were to evaluate new and outstanding data proposals as well as to discuss how to enhance and improve the EFDB. The meeting was attended by Editorial Board members (25 out of 36), Co-chairs of the IPCC Task Force on National Greenhouse Gas Inventories (TFI), members of the Bureau of the TFI (TFB) and Technical Support Unit (TSU) of the TFI.

The meeting was held in parallel with 11<sup>th</sup> and 12<sup>th</sup> Expert Meetings on Data for the EFDB (Data Meetings) that were held on 19-20 November 2016 at the IGES Headquarters in Hayama, Japan. The Data Meetings aimed to collect data for Energy and Industrial Processes & Product Use (IPPU) sectors and were attended by data providers and Editorial Board members of respective sectors. The meetings were hosted by the IGES and organized by the TSU.

The TFI extends its appreciation to the Government of Japan for the support to hold these meetings.

Extracts of a selected number of references to EFDB in documentation submitted to previous sessions of the Panel are quoted in Annex 1 to this document. The programme of the meetings is in Annex 2 and the lists of participants to the meetings are in Annex 3 to this document.

#### **Meeting Summary**

The EB13 started with presentations by TSU about background to EFDB and role and responsibilities of Editorial Board. Following those presentations, TSU also informed about the membership of Editorial Board, status of usage and population of EFDB.

As to the Editorial Board membership, it was informed that 5 new members joined in 2015 and a call for nominations of experts to serve on the EFDB Editorial Board would be made at the end of 2015 to replace 17 members whose term would end in 2015-2016 (7 and 10 members in 2015 and 2016, respectively).

There were 613 new and outstanding data including data voluntarily submitted by experts, data collected by TSU and data provided by participants of the two Data Meetings for consideration by the Editorial Board. The data proposals were considered by sectoral break-out groups and the results were reported at final plenary on Day 3. Total 367 data were accepted by the Editorial Board for inclusion into the EFDB.

In addition, there were discussions on how to include the data from other databases and creating an "extra page" on EFDB website to include data that do not meet the EFDB data acceptance criteria but considered useful to inventory compilers.

The 11<sup>th</sup> Data Meeting aimed to collect data for Energy sector, focusing on the following categories:

- 1) Fuel Combustion Activities: to include the values (carbon contents, calorific values and oxidation factors) used to develop the 2006 IPCC Guidelines and new data to facilitate the assessment of statistical distributions, regional values, etc.
- 2) Oil and Natural gas: to include new emission factors of fugitive emissions from oil and gas which reflect current practices and the latest measurement data.

The 12<sup>th</sup> Data Meeting aimed to collect data for IPPU sector, focusing on the following categories:

- 1) CO<sub>2</sub> emissions from Mineral Industry and Iron and Steel Industry
- 2) F-gases emission from Metal Production and Semiconductor Industry
- 3) HFCs emissions from Mobile Transport

### **Main Meeting Recommendations**

Major suggestions from the EB13 are the following:

- Currently, there are few links to other databases on the EFDB website and the Editorial Board agreed to add links to databases accepted by the Editorial Board following the procedure explained in the document on role and responsibilities of the Editorial Board.
- With regard to the extra page, data and information to be included will be selected by the Editorial Board and a note will be attached to each set of such data and information to explain why it could not be included in the EFDB and how it could be used. The extra page is to support inventory compilers in case no other data and information are available, and users must carefully read the note to each set of data and take it into consideration when using those data.

Paragraph on establishment of EFDB Editorial Board reported in the Progress Report of TFI which was submitted to and accepted by IPCC at its 20<sup>th</sup> Session (IPCC-XX/Doc. 8)

8. The EFDB will be open to any relevant proposals on emission factors or other related parameters, but all proposals must be traceable and all data providers will be registered in the database. An EFDB Editorial Board has been established with an objective of ensuring all emission factors and other parameters contained in the EFDB are scientifically sound according to the criteria endorsed by the Task Force Bureau (TFB) on the IPCC-NGGIP. The EFDB Editorial Board assumes the responsibility to assess whether the proposed new emission factors or other parameters are acceptable or not, but it will not evaluate the quality of the data already published by the IPCC and/or in the open literature. It would determine whether the newly submitted data are scientifically sound and documentation is sufficient.

Paragraph on the necessity of annual meeting in the Terms of Reference of EFDB Editorial Board which was endorsed by TFB at its 12<sup>th</sup> meeting<sup>1</sup>

19. To ensure consistency of the decision criteria over time and between Editorial Sector Coordinators and Sector Experts, an annual meeting of the Editorial Board will be organised in the second quarter of each year<sup>2</sup>.

Paragraph on the commencement of Data Meetings reported in the Progress Report of TFI which was submitted to and accepted by IPCC at its 28<sup>th</sup> Session (IPCC-XXVIII/Doc. 4)

3. The TSU and the Editorial Board (EB) of the Emission Factor Database (EFDB) are continuing to develop the EFDB. Following the last meeting of the EB in Washington, USA (30 Oct. – 1 Nov. 2007), a more pro-active approach was agreed whereby the TSU and EB will more actively search out data. All the emission factors from the 2006 Guidelines have been entered and work is continuing to increase the number and range of other information. Two working meetings, in addition to the EB meeting, are planned for the second half of this year to collect, approve and enter data from specific sectors<sup>3</sup>. The terms of some of the EB members have expired and the TFB is proceeding to fill these vacancies.

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<sup>1</sup> The Terms of Reference of EFDB Editorial Board is now being revised.

<sup>2</sup> In recent years, the annual EFDB Editorial Board meeting was held in the fourth quarter of each year in order to avoid collision with other events relevant to TFI activities.

<sup>3</sup> After the 28<sup>th</sup> Session of IPCC, holding two Data Meetings has been approved by the IPCC in its Trust Fund Programme and Budget every year.

## Meeting Programme

**Agenda****13<sup>th</sup> Meeting of the Editorial Board of the IPCC Emission Factor Database (EFDB)**

18-20 November 2015, Hayama, Japan

Wednesday 18 November	13:30 - 14:00	Registration
	14:00 - 14:30	Welcome <ul style="list-style-type: none"> <li>• IPCC TFI Co-chairs</li> <li>• Representative from IGES (tbc)</li> </ul>
	14:30 - 17:30	Introduction of new members Agenda Minutes of EB12 Presentations by TSU <ul style="list-style-type: none"> <li>• Background to EFDB</li> <li>• Role and responsibilities of EB members</li> <li>• EFDB status: population and usage</li> </ul> Discussion <ul style="list-style-type: none"> <li>• Populating the EFDB (e.g. new data sources and techniques of data collection)</li> <li>• Data approval process</li> <li>• Improving the access to and usefulness of the EFDB</li> <li>• Other issues</li> </ul>
Thursday 19 November	09:00 - 12:30	Sectoral BOGs <ul style="list-style-type: none"> <li>• Review of data proposals</li> <li>• EB members of Energy and IPPU sectors will join the 11<sup>th</sup> and 12<sup>th</sup> Data Meetings of the EFDB</li> </ul>
	12:30 - 14:00	<i>Lunch</i>
	14:00 - 18:00	Sectoral BOGs <ul style="list-style-type: none"> <li>• Review of data proposals (continuation)</li> <li>• EB members of Energy and IPPU sectors will join the 11<sup>th</sup> and 12<sup>th</sup> Data Meetings of the EFDB</li> </ul>
Friday 20 November	09:00 - 12:30	Sectoral BOGs <ul style="list-style-type: none"> <li>• Review of data proposals (continuation)</li> <li>• EB members of Energy and IPPU sectors will join the 11<sup>th</sup> and 12<sup>th</sup> Data Meetings of the EFDB</li> </ul>
	12:30 - 14:00	<i>Lunch</i>
	14:00 - 17:00	Final plenary discussion Wrap-up and close of meeting

**11<sup>th</sup> Expert Meeting on Data for the  
IPCC Emission Factor Database (EFDB): Energy Sector**

19-20 November, 2015, Hayama, Japan

Thursday 19 November	08:30 - 09:00	Registration
	09:00 - 09:30	Welcome and introduction
	09:30 - 18:00	<p>Introduction (TSU) Data presentations and discussion: descriptions of data to be reviewed, its scope and background followed by discussion Break-out Groups review data and decide if it is acceptable</p> <p><b><u>Presentations by data providers</u></b></p> <ul style="list-style-type: none"> <li>• Inga Konstantinaviciute (Lithuania)</li> <li>• Nina Uvarova (Russian Federation)</li> <li>• David Picard (Canada)</li> </ul>
Friday 20 November	09:00 - 12:30	<p>Break-out Groups continue to review data and decide if it is acceptable Final plenary discussion and close of the meeting</p>

**12<sup>th</sup> Expert Meeting on Data for the  
IPCC Emission Factor Database (EFDB): Industrial Processes and Product Use (IPPU) Sector**

19-20 November, 2015, Hayama, Japan

Thursday 19 November	08:30 - 09:00	Registration
	09:00 - 09:30	Welcome and introduction
	09:30 - 18:00	<p>Introduction (TSU) Data presentations and discussion: descriptions of data to be reviewed, its scope and background followed by discussion Break-out Groups review data and decide if it is acceptable</p> <p><b><u>Presentations by data providers</u></b></p> <ul style="list-style-type: none"> <li>• Jianxin Hu (China)</li> <li>• Jongikhaya Witi (South Africa)</li> <li>• Hendrik G. Van Oss (USA)</li> <li>• Deborah Ann Ottinger (USA)</li> <li>• Tatsuya Hanaoka (Japan)</li> </ul>
Friday 20 November	09:00-12:30	<p>Break-out Groups continue to review data and decide if it is acceptable Final plenary discussion and close of the meeting</p>

## List of Participants

13<sup>th</sup> Editorial Board Meeting - IPCC Emission Factor Database

David Buluku Adegu  
Ministry of Environment & Natural Resources /  
Climate Change Secretariat  
**Kenya**

Mufreh Alrashidi  
Research Scientist in Environmental & Life  
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**Canada**

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Environment Canada  
**Canada**

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**Chile**

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**Argentina**

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**India**

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**Japan**

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**Kazakhstan**

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**China**

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**China**

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**China**

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Maya Fukuda  
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Pavel Shermanau  
Toru Matsumoto  
Eriko Nakamura  
Koh Mikuni  
Ikuko Takemoto



## List of Participants

### 11<sup>th</sup> Expert Meeting on Data for the IPCC Emission Factor Database (EFDB)

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Dominique Blain  
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(UNMSM)  
**Peru**

Amit Garg  
Indian Institute of Management Ahmedabad  
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Dario Gomez  
Comision Nacional de Energia Atomica  
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