



**5<sup>th</sup> Meeting of the Editorial Board  
and  
3<sup>rd</sup> Meeting of the Management Group  
of the  
IPCC EMISSION FACTOR DATABASE**

30 October – 1 November 2007

Environmental Protection Agency  
Washington, DC, USA

**Meeting Report**

1. The 5<sup>th</sup> meeting of the IPCC Emission Factor Database (EFDB) Editorial Board and the 3<sup>rd</sup> Meeting of the Management Group was held on 30 October – 1 November 2007 with the following objectives:
  - To consider good improved strategies for population of the EFDB
  - To share the principles and criteria to be used in the evaluation of proposals by data providers in order to ensure the integrity of the EFDB, while ensuring they do not hinder the population of the database
  - To share understanding of the objectives, responsibility and role of the EFDB Editorial Board and relevant procedures and working practices
  - To consider how to ensure consistency of the evaluation criteria over time and among Sector Experts and the Technical Support Unit (TSU) of the IPCC National Greenhouse Gas Inventories Programme.
  - To elaborate a future strategic development framework of EFDB as a draft input to TFB consideration.
2. The participants were members of the IPCC EFDB Editorial Board (EB members) and a representative from the UNFCCC secretariat (list of participants attached). The meeting was hosted by United States Environmental Protection Agency (U.S. EPA) and organised by the TSU of the IPCC National Greenhouse Gas Inventories Programme.
3. The meeting was called to order at 10:30 on 30 October by Mr. Taka Hiraishi, Co-Chair of the IPCC Task Force on National Greenhouse Gas Inventories (TFI). At the beginning of the Opening Session, Mr. Brian McLean, Director of the Office of Atmospheric Programs, U.S. Environmental Protection Agency, gave a welcoming speech. After that, Mr. Tinus Pulles (Netherlands) and Mr. Nagmeldin Elhassan (Sudan), Co-Chairs of the Editorial Board commenced chairing the meeting.
4. The agenda was adopted noting that there would be plenary sessions and sectoral breakout group sessions, and that the EFDB Management Group<sup>1</sup> would meet on relevant questions alongside the meeting<sup>2</sup>.

<sup>1</sup> The EFDB Management Group consists of the two Editorial Board Co-Chairs, the two TFB Co-Chairs and two members of the TSU. Its role is to provide strategic direction; to give advice and oversight of TSU and EB, etc.

<sup>2</sup> There was no question at this session of the EB, which required specific decision by the Management Group.

5. Presentations by the TSU covered the objectives and expected outputs of the meeting; progress since the 4<sup>th</sup> meeting of Editorial Board; The TFI's current work programme, software, publicity etc.; potential data identified by the TSU and issues about its incorporation into the EFDB; publicity for the EFDB including pamphlets to be produced<sup>3</sup>; and strategies for population of the EFDB. Mr. Tinus Pulles made presentation to urge the EB members to discuss the possibility of collecting emission factors from national GHG inventories submitted to the UNFCCC.
6. Based on the suggestions made through these presentations, the following issues were discussed throughout the meeting (both in plenary sessions and in breakout sessions).
  - Outreach – how to increase awareness of the EFDB and improve access and ease of data submissions.
  - Approach to potential data providers – how to find and involve the experts/institutes that could provide data to the EFDB.
  - Scientific literature as a source of data for EFDB – whether useful data can be extracted from scientific literature, and if so how to implement it in practice.
  - Data collection from reports to UNFCCC – whether the data used in the national GHG inventories produced by Parties to the UNFCCC can be accepted and included in the EFDB, and if so how to implement it in practice.
  - Other strategies – what else to be done in order to enhance data collection (e.g., whether sectoral workshops to collect and approve data would be useful?)
7. Discussion on these issues resulted in a number of proposals, and those proposals were formulated into the “Plan for Populating the EFDB” after the meeting as a proposition to the TFB from EFDB EB. (See the Annex to this report: “Plan for Populating the EFDB”.)
8. In addition to the plan mentioned in paragraph 7 above, the following suggestions were made at the meeting.
  - EB members who have worked as UNFCCC reviewers should try to explore candidate data for EFDB from countries/sectors they have reviewed. EB members have to be careful about confidentiality issues in doing this.
  - The TSU should provide the space in the web EFDB site for the interested potential data providers to indicate emission factor proposals and contact information.
  - It is worth encouraging experts (potential data providers) to document relevant information in accordance with the EFDB data entry form when they develop new emission factors. In this context, the EB hopes that the EFDB data entry format will be widely used in the preparation process of national inventory reports or national communications so that new country-specific emission factors can be readily proposed to the EFDB.
  - EB should seek to strengthen links with academic conferences (e.g., NitroEurope).
9. During the breakout sessions, outstanding data proposals were evaluated. Each sectoral breakout group reported the results of their evaluation at the final plenary session.
  - Energy – 78 data proposals were evaluated. 40 were accepted while 3 were rejected. As regards the remaining 35 proposals, this group concluded that they need more information from the data provider in order to take a final decision. This group therefore agreed to keep communication with the data provider to request for necessary information.

---

<sup>3</sup> A meeting on the promotion of the IPCC Guidelines was held on 16-18 October 2007 in Geneva, Switzerland. A pamphlet on EFDB was drafted there.

- Industrial Processes and Product Use (IPPU) – There was no outstanding proposal. Therefore, this group concentrated on discussion about how to populate the EFDB.
  - Agriculture – There were 66 outstanding data proposals. This group concluded that these proposals could be accepted on condition that some more information is provided by the data provider. This group therefore agreed to request the data provider<sup>4</sup> for necessary information.
  - Land-Use Change and Forestry (LUCF) – There were 10 outstanding data proposals. This group concluded that these proposals could be accepted on condition that some more information is provided by the data provider. This group therefore agreed to request the data provider<sup>5</sup> for necessary information.
  - Waste – This group evaluated 21 outstanding data proposals, and agreed to accept all of them.
10. At the final plenary session, Mr. Hiraishi, Co-Chair of the IPCC TFI reminded the participants that some EB members' terms of office were expiring at the end of the year 2007. He thanked them, and notified that there would be call for nominations of new EB members to maintain sufficient coverage of expertise in early 2008.
11. All the participants welcomed the offer from Mr Hector D. Ginzo, EB member for LUCF Sector, to host the next EB meeting in Argentina in 2008. The meeting closed at 13:00 on 1 November.

----

#### Annex: Plan for Populating the EFDB

#### Attachment: List of Participants

---

<sup>4</sup> The data provider is one of the EB members. She agreed to provide necessary information to the EB. Herself did not participate in the evaluation of her data proposals.

<sup>5</sup> The data provider is one of the EB members. He agreed to provide necessary information to the EB. Himself did not participate in the evaluation of his data proposals.

**ANNEX**  
**Plan for Populating the EFDB**  
*Draft plan prepared at the 5<sup>th</sup> Meting of the Editorial Board*  
*Washington, 30<sup>th</sup> Oct – 1<sup>st</sup> Nov, 2007*

## **1. Background**

The TFB at its last meeting asked the TSU and the Editorial Board (EB) of the EFDB to prepare a plan for increasing amount of data incorporated in the EFDB beyond the information contained in IPCC Methodology Reports.

This document outlines the results of the discussion held at the EB 5<sup>th</sup> meeting held in Washington, 30<sup>th</sup> Oct – 1<sup>st</sup> Nov 2007. A number of specific actions (see meeting report) was agreed, this document describes a plan to develop data proposals over the next year.

The EB decided a number of activities would be needed to both attract more data proposals and to proactively find data. These activities are:

- Outreach [All to publicise EFDB, TSU to prepare materials]
- Direct Contacts [EB members to lead, support by TSU if needed]
- Scientific Literature [EB members]
- Reports to UNFCCC (Annex I Countries' National Inventory Reports (NIRs) & Non-Annex I Countries' National Communications) [EB volunteers, supported by TSU]
- Workshops [Sectoral EB Members, Arranged by TSU, Invited experts]

## **2. Outreach**

It was agreed that the EB, TFB and TSU needed to work further to increase awareness of the EFDB and to improve access and ease of data submissions.

### **a. Pamphlet**

The TSU was encouraged to distribute the pamphlet produced in the expert meeting on promotion in Geneva, 16-18 October on the EFDB as widely as possible, especially focussing on those groups that may have data for the EFDB.

The TSU should also develop eye-catching posters, containing invitation for EF proposals, that the EB members and others can use at meetings to promote the EFDB.

### **b. Presentations**

The TSU was asked to develop a presentation package that could be downloaded from the internet and used by the EB or others to present the EFDB. This would aim to increase awareness of the EFDB and to promote its use, both for those looking for data and for data providers.

Also the possibility of a Webcast was raised and the TSU will look into the feasibility of this.

### **c. Further develop website**

It was generally agreed that the web site could be improved. Development of the NGGIP web site is being considered and the EFDB site should also be updated.

In addition the submission of data should be made easier. The forms on the web site could be made sector specific to reduce confusion by users. Also a wider range of way of submitting data should be considered. For example large reports can be given directly to the TSU.

The web site should have some way of thanking data providers; a “what’s new” section can be used. A facility to indicate each data provider might help highlighting their contribution.

The TSU will explore ways of enabling data providers to cite the data records in the EFDB.

### **3. Direct Contacts**

Direct requests for data may be successful but it is difficult to identify those holding data beyond those known to the EB members. EB members should take the lead in this contacting those they know, but should keep the TSU informed. If needed a formal request letter could be provided by the TSU/TFI Co-Chairs if a more formal approach is thought to be useful.

### **4. Scientific Literature**

Reviewing and staying abreast of the scientific literature is a natural task for EB members and part of their everyday activities. When suitable data for the EFDB are seen they should be proposed to the EFDB by the EB member. If all the required data is available then the data items can be assessed and approved by the EB and entered in the EFDB by the EB as “data provider”. The originator of the data would be informed and thanked. If not all the mandatory data is available then the originator will need to be contacted for clarification.

Prior to the EB 5<sup>th</sup> meeting, the TSU has identified a number of papers which may contain useful data. These have been distributed to EB members for them to extract and submit data to the EFDB for assessment by the EB.

### **5. Reports to UNFCCC**

Inventories produced by Parties to the UNFCCC may use emission factors that would be valuable additions to the EFDB. The EB decided a trial project to assess the feasibility and ease of collecting data from these national sources.

Firstly, some EB members agreed voluntarily to look at their own national NIR and extract the country specific data<sup>6</sup>. This would be entered into the bulk data entry forms. This data will be quickly reviewed by the EB and entered into a version of the EFDB NOT available to the public. Only if sufficient data is available for individual data items may these be approved for entry into the full public EFDB, this may involve further information collection from the national experts. For several non-Annex I Parties to the UNFCCC, while inventories are included in their National Communications, the detailed emission factor information is included in background reports not the National Communications. Volunteers would initiate similar data identification exercise.

This will be revisited at the next EB meeting where a decision on the usefulness of this information can be assessed and review and approval procedures agreed.

Annex I Volunteers: Russia, Finland, Japan, Netherland, United States, United Kingdom, New Zealand

Non-Annex I Volunteers: Brazil. Egypt is updating its inventory and some new information may be available over the next year.

---

<sup>6</sup> Common Reporting Format (CRF) contains list of areas of country- and plant-specific emission factors, which might provide a lead for this test.

	Nov 2007			Apr 2008						Oct 2008		
	1	2	3	4	5	6	7	8	9	10	11	12
5th EFDB Meeting Washington decides to run tis experiment	Red											
EB Members analyse "their" NIRs	Green	Green										
Copy candidates into "Bulk import" Excel files			Green									
Bulk export file ready ...	Blue											
EB Members send Excel files to TSU				Green								
TSU to distribute Excel files to EB members				Blue	Blue							
EB Sector BOGs to review proposals				Green	Green	Green	Green					
EB to send questions to countries						Green	Green					
EB finalise review							Green		Green			
Preparare 6th EFDB meeting									Blue			
6th EFDB Meeting to decide on experiment										Red		

Key       EB members tasks  
 TSU tasks  
 EFDB EB Meetings

## 6. Workshops

The EB strongly supported the idea of sectoral workshops to collect and approve new data for the EFDB.

These workshops would focus on a sub-sector where the EB thinks that both the EFDB needs strengthening and that there is data available. The workshops would bring together experts with data with the members of the EB who can review and approve the data for the EFDB.

### a. Process

The EB identifies sub-sectors where a meeting would be useful. So far the following have been identified:

- Energy – Fugitive Emissions
- IPPU – F- gases
- IPPU – Nitric Acid

Subject to the availability of funds, the TSU would plan a workshop. These could be held back-to-back with other meetings, to save travelling, or if that is not possible then a stand-alone meeting may be more appropriate. Appropriate experts should be invited, the TSU, EB and TFB are likely to know the main players in the fields but will consult widely to ensure suitable candidates attend. The meeting will:

- Review data from experts and literature, identify suitable data for EFDB
- A sub-set of EB will attend; they can approve data at the meeting and will aim to upload data to the EFDB by end of meeting.
- TSU will support EB members and participants throughout, from selecting and assessing data to preparing data for entry to EFDB
- Produce meeting report summarising data

### b. Resources

The workshops can be arranged and planned by the TSU.

Two meetings could be held in 2008, each with about 30 participants. IPCC funding would be required for 20 participants (i.e., ten travel supports for developing/EIT participants per meeting).