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ON CLIMATE CHANGE

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**PROGRESS REPORT**

**TASK FORCE ON NATIONAL GREENHOUSE GAS INVENTORIES (TFI)**

(Submitted by the Co-Chairs of the TFI)

**Progress Report Task Force on National Greenhouse Gas Inventories (TFI)  
20th Session of the TFB**

1. The newly elected Bureau of the IPCC's Task Force on Inventories (TFI) met for the first time in Hayama, Japan on 23 – 25 February 2009. They considered the work of the TFI and its future work programme. In general, they approved the direction of work so far and agreed on how to continue.
  
2. The TFB concluded that:
  - The work to promote the IPCC Guidelines for National Greenhouse Gas inventories should continue. This work includes development of the TFI web site, production of supplementary material such as the Primer and brochures, and representation of the IPCC at meetings.
  - The software development should continue with work starting on Phase 2, with the aim of developing software for all sectors. The demonstration version for the Energy sector alone is available for download from our web site<sup>1</sup> and TFB Members were encouraged to look at this and comment to the TSU.
  - The Emission factor database is important and efforts to increase the data it holds should be intensified.
  - They considered activities for 2009 and 2010 and agreed a plan of meetings. They noted that there may be some requests from the UNFCCC and so the plans need to be flexible and the TFI should be able to respond quickly.
  - The TFB noted that consideration of the 2006 IPCC Guidelines for National Greenhouse Gas Inventories by the UNFCCC will start at SBSTA 30 in June 2009.
  
3. Plans for 2009 include:
  - There will be an expert meeting “Revisiting the Use of Managed Land as a Proxy for Estimating National Anthropogenic Emissions and Removals” in Brazil on 5-7 May.
  - The TSU will discuss with the FAO the possibility of holding meeting on “Activity Data for LULUCF/AFOLU”. The FAO hold much useful data and providing a guide to this will be useful to many developing countries. This meeting would be held in the second half 2009.
  - The next meeting of the Editorial Board will be held together with 2 data collection meetings in Santiago, Chile in the week beginning. 22 June.
  - A software review meeting is planned for late 2009. However the calendar is getting very busy and this may need to be delayed until early 2010.

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<sup>1</sup> <http://www.ipcc-nggip.iges.or.jp/support/support.html>

4. For 2010 the Bureau decided:
  - An Expert Meeting on Uncertainty and Validation of Emission Inventories. This would cover a number of linked areas and produce a meeting report (IPCC “Supplementary material”) to assist inventory compilers. This would cover: more explanation on uncertainty assessment; treatment of uncertainties associated with remote sensing; Tier 3 models: how they should be reported and documented and how they could, in general be validated; comparison of inventories with ambient measurements and a validation/verification process.
  - An Expert Meeting on Higher Detail in Inventories. This would look at the linked ideas of the use of facility level data (estimates and measurements) in national inventories; ensuring that inventories can track mitigation efforts in a transparent way and the use of Tier 3 models to improve inventory detail.
  - Depending on the outcome of the Managed Land meeting there may need to be a follow-up meeting on managed Land.
  - In regard to the above three meetings, the Bureau noted the possibility of holding an additional expert meeting using Japanese funding. The modalities needs to be discussed with the IPCC Secretariat, including the possibility small budget line in the IPCC 2010 budget, meeting budget being supplemented by Japanese funding.
5. The Bureau also recognised that further consideration of future work might be required around the links of GHG inventories to Air Pollution. This includes Aerosols/Black Carbon; links to GHG precursor gases; and estimation of co-benefits of mitigation actions. In the longer term additional guidance will be needed on wetlands and decisions by the UNFCCC on areas such as HWP and bunker fuels may lead to further guidance being needed.

#### **Selection of members of Editorial Board for Emission Factor Database (EFDB)**

6. The overall objective of the Emission Factor Database (EFDB) is to be an updated companion for the IPCC Inventory Guidelines that is seen as a worldwide resource for greenhouse gas inventory compilers and developers. The EFDB aims at increasing the range of emission factors and other related parameters available, so as to provide users with data that may be more adequate for estimating greenhouse gas emissions and removals for their national inventories under the UNFCCC.
7. The database is open for proposals of new emission factors and parameters, which are evaluated as per their robustness, applicability and appropriate documentation by the Editorial Board composed of thirty-five experts recommended by IPCC Member States.

8. The terms of Editorial Board members are two or four years with a possible extension to four years. The Bureau of Task Force on National Greenhouse Gas Inventories (TFB), at its 19th session held in Helsinki, May 2008, decided to request from Governments nominations of experts to serve on the Editorial Board, because the terms of eleven members had expired. After the TFB19, it turned out that another three members could not serve on the Editorial Board any longer. The number of vacant positions therefore became fourteen.
9. In response to the invitation by the IPCC (Letter No. 5393-08/IPCC/TFI), fifty-one experts were nominated by Governments. The TFB, at its 20th Session on 23-25 February in Hayama, Japan, analysed all the nominations and finalized the selection of the experts taking into account the expertise required and ensuring geographical balance.
10. The members of the Editorial Board including those who have been newly selected are shown in Table 1 below. Table 2 shows its composition (numbers of members from developed/EIT/developing countries for each sector). The next meeting of Editorial Board will be held in the week of 22 June in Santiago, Chile, with participation of these new members.

**Table 1: EFDB Editorial Board members (after TFB20)**

The members shaded and underlined are those who have been selected at TFB20.

| Energy                             | Industrial Processes and Product Use      | Agriculture                               | LULUCF                                  | Waste                                  |
|------------------------------------|---|---|---|--|
| Dario R. Gomez (Argentina)         | <u>Roberto Peixoto (Brazil)</u>           | Chang Liang (Canada)                      | Hector D. Ginzo (Argentina)             | <u>G.H. Sabin Guendehou (Benin)</u>    |
| John Carras (Australia)            | Alice Au (Canada)                         | Sergio P.E. González (Chile)              | <u>Chengyi Zhang (China)</u>            | Sonia Maria Manso Vieira (Brazil)      |
| <u>Haristo Vassilev (Bulgaria)</u> | Samir, A. El Mowafi (Egypt)               | <u>Kazuyuki Yagi (Japan)</u>              | Masamichi Takahashi (Japan)             | <u>Qingxian Gao (China)</u>            |
| <u>Chia Ha (Canada)</u>            | Kristina Saarinen (Finland)               | Keith R. Lassey (NZ)                      | <u>Elizabeth M.P. Philip (Malaysia)</u> | Masato Yamada (Japan)                  |
| <u>Hongwei Yang (China)</u>        | Tinus (M.P.J.) Pulles (The Netherlands)   | Anna A. Romanovskaya (Russian Federation) | Nagmeldin Elhassan (Sudan)              | <u>Seungdo Kim (Republic of Korea)</u> |
| Michael Strogies (Germany)         | Alexander I. Nakhtin (Russian Federation) | <u>Mamadou Khouma (Senegal)</u>           | Leif Klemedtsson (Sweden)               | Keith Brown (UK)                       |
| Norbert Nziramasanga (Zimbabwe)    | <u>Deborah Ottinger Schaefer (USA)</u>    | Steve Jarvis (UK)                         | <u>Amanda M. Thomson (UK)</u>           | <u>Melissa Weitz (USA)</u>             |

**Board Co-chairs:** Tinus (M.P.J.) Pulles (The Netherlands) and Nagmeldin Elhassan (Sudan)

**Table 2: Numbers of EFDB Editorial Board members from developed/EIT/developing countries for each sector**

|                             | <b>Energy</b> | <b>IP</b> | <b>Agriculture</b> | <b>LULUCF</b> | <b>Waste</b> | <b>Total</b> |
|-----------------------------|---------------|-----------|--------------------|---------------|--------------|--------------|
| <b>Developed Countries</b>  | 3             | 4         | 4                  | 3             | 3            | <b>17</b>    |
| <b>EIT Countries</b>        | 1             | 1         | 1                  | 0             | 0            | <b>3</b>     |
| <b>Developing Countries</b> | 3             | 2         | 2                  | 4             | 4            | <b>15</b>    |
| <b>Total</b>                | <b>7</b>      | <b>7</b>  | <b>7</b>           | <b>7</b>      | <b>7</b>     | <b>35</b>    |