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OTHER PROGRESS REPORTS

Task Force on National Greenhouse Gas Inventories

(Submitted by the Co-Chairs of the Task Force Bureau)

PROGRESS REPORT

Task Force on National Greenhouse Gas Inventories (TFI)

(Submitted by the Co-Chairs of the Task Force Bureau)

1. At the SBSTA 32 meeting in June 2010 in Bonn two decisions were taken that directly affect the TFI.
 - a. Firstly, FCCC/SBSTA/2010/L.12 "Revision of the UNFCCC reporting guidelines on annual inventories for Parties included in Annex I to the Convention" has two articles directly relating to the TFI, 6 and 7.
 - i. Article 6 asks us to submit two reports to the next UNFCCC expert workshop on this topic (probably early November): the final report on the expert meeting on "*Revisiting the Use of Managed Land as a Proxy for Estimating National Anthropogenic Emissions and Removals*", held in Brazil in May 2009; and a report on the "*IPCC Expert Meeting on Use of Models and Measurements in GHG Inventories*" held in Sydney, Australia 9-11 August 2010. **The report on the Brazil meeting has been printed and a Co-Chairs summary of the Australia meeting has been prepared.**
 - ii. Article 7 asks us to hold an expert meeting on methodological issues related to HWP, wetlands and N₂O from Soil. **Utilizing the contingency budget approved at IPCC-31 for holding an expert meeting to respond to any UNFCCC invitation, an expert meeting will be held in October 2010 in Geneva to consider these issues.**
 - b. Secondly, FCCC/SBSTA/2010/L.2 "Reducing emissions from deforestation in developing countries: approaches to stimulate action" asks the UNFCCC secretariat to "*to work with the IPCC on promoting the use of the IPCC Emission Factor Database, and report on its progress to the SBSTA at its thirty-fourth session;*" **The Co-Chairs and the TSU intend to work with the UNFCCC secretariat in promoting the EFDB.**
2. The TFI has been continuing its series of Expert Meetings exploring inventory topics that are causing difficulties to inventory compilers. Since IPCC-31 the following meetings have been held:
 - a. **Expert Meeting on Software for the IPCC 2006 Guidelines** held on 18-20 November 2009 in Geneva, Switzerland. This meeting concluded that the software project should continue and that a complete version of the software should be prepared in 2010.
 - b. **IPCC Expert Meeting on National Forest GHG Inventories - A Stock Taking** held 23-25 February 2010 in Yokohama, Japan. A meeting report has been prepared and is being printed. This meeting was largely funded by the Government of Japan with only 10 travel supports funded by the IPCC.
 - c. **IPCC Expert Meeting on Uncertainty and Validation of Emission Inventories** held 23-25 March 2010 in Utrecht, the Netherlands. A meeting report has been prepared and is being printed.
 - d. **IPCC Expert Meeting on Use of Models and Measurements in GHG Inventories** held 9-11 August 2010 in Sydney, Australia. A Co-Chairs summary has been prepared for presentation to the UNFCCC and the final report will be presented to SBSTA 33.
3. In addition reports have been finalised and printed for "**Expert Meeting on Revisiting the Use of Managed Land as a Proxy for Estimating National Anthropogenic Emissions and Removals**" held on 5-7 May 2009 in Brazil and the "**IPCC-FAO Expert Meeting Agriculture, Forestry and Other Land Use Data**" held on 20-22 October, 2009 in Rome, Italy.

4. Work has continued to populate the **Emission Factor Database (EFDB)**. Following decisions by the Task Force Bureau (TFB) and the EFDB Editorial Board (EB) to be more pro-active in searching out suitable data for the EFDB, and using funds from Japan as a pilot programme, consultants have been used to find suitable data. This will be presented to the EB at their next meeting. The TFI intends to hold data meetings and the next meeting of the EB on 15-18 December in Sao Paulo, Brazil. In addition the TFI is considering if the interface to the EFDB can be improved.
5. **Software for the IPCC 2006 Guidelines** is being finished by the software contractors. This software will be sent out for review shortly and then will be considered by an expert meeting to be held in Sao Paulo Brazil 15-17 December. It is hoped that the initial version of the software will be released in early 2011.
6. **The Task Force Bureau (TFB)** at its 22nd meeting held on 12-13 September in Sydney Australia, considered and agreed the future work programme for the TFI. The TFB agreed to focus future work in specific areas. Firstly, additional help for inventory compilers on forestry related issues. This is an on-going process and the immediate need is to consider estimation of changes in carbon stock due to degradation processes in forests and how remote sensing and field measurements can be used in this. Secondly, there are issues around using more detailed data on emissions and removals (from measurements & facility level data) and atmospheric concentrations to improve inventory estimates and to validate them. Thirdly, the existing guidance on wetlands is incomplete and the TFI will review the state of the science to determine when additional guidance or emission factors can be produced. Finally there is a need to respond to requests from the UNFCCC. In 2011 the following activities are planned:
 - a. *Expert Meetings on guidelines issues.*
 - i. A meeting on forest monitoring and estimating carbon stocks: using field-inventory information with remote sensing to estimate carbon stocks and emission/removals from deforestation and especially forest degradation.
 - ii. A meeting on wetlands. This meeting will consider addressing the gaps in the existing IPCC Guidance on wetlands in light of the latest scientific information.
 - iii. Co-funded by Japan a meeting reviewing inventory developments as a whole. This will provide an opportunity to review the 2006 Guidelines and identify any specific actions that may need to be taken so as to facilitate their use.
 - iv. A contingency to be used if we need to hold a meeting to assist the UNFCCC. The UNFCCC will consider such a request at its next meeting of SBSTA in Cancun, December 2010 (see FCCC/SBSTA/2010/L.12, Paragraph 7).
 - b. *The software for the 2006 IPCC Guidelines will be finalised and distributed. An expert meeting will be held to consider the software, maintenance and support needs, and the further actions needed, if any.*
 - c. *Work will continue to populate the EFDB. Supported by Japan the TSU will identify and submit more data to the EB. Two data meetings on specific topics are planned along with one EB meeting.*
7. In 2012 work on the EFDB and support for the software will continue and other issues should be explored by expert meetings, these are:
 - a. *Bottom-up estimates: issues relating to how facility level, local and small-scale emission and removals estimates can be incorporated into national inventories following the IPCC Guidelines.*
 - b. *Using atmospheric measurements and modelling approaches to verify inventories: this would be a follow-up meeting to the Uncertainty Meeting in Utrecht this year.*

8. The TFB and the Co-Chairs would like to thank all governments who have supported the work of the TFI through the last year, in particular the Netherlands and Australia for hosting meetings. They would particularly like to thank Japan for its support of the TSU and by co-funding and hosting an expert meeting.