

### Terms of Reference

#### Background

1. The UNFCCC Subsidiary Body for Scientific and Technological Advice (SBSTA) at its 33rd session held in December 2010 in Cancun invited the IPCC to prepare additional methodological guidance on wetlands, focusing on the rewetting and restoration of peatland.
2. The 2006 IPCC Guidelines themselves note that the guidance on wetlands is incomplete. When the Wetlands chapter in the 2006 IPCC Guidelines was compiled there was insufficient scientific information available to complete methodologies for all sub-categories, and so methods are only available for some emissions from flooded lands and from peatlands being harvested.
3. This was considered at the "IPCC expert meeting on Harvested Wood Products, Wetlands and N<sub>2</sub>O Emissions from Soils", held in Geneva, 19th-21st October 2010, that concluded,

*"Since the 2006 IPCC Guidelines were completed much new scientific information is now available about various wetlands that enable emissions and removals to be estimated from wetland restoration and rewetting especially for peat lands. The meeting recommended that the IPCC provide additional methodological guidelines for the rewetting and restoration of peat land; emissions from fires, ditches and waterborne carbon; and constructed wetlands for waste water disposal, to fill gaps in the existing guidelines."*

4. Finally this was considered by the UNFCCC SBSTA at its 33rd session that concluded (Document FCCC/SBSTA/2010/L.18, paragraph 4):

*"The SBSTA took note of the summary of the co-chairs of the IPCC expert meeting on harvested wood products, wetlands and N<sub>2</sub>O emissions from soils. Noting that science has developed in some areas with regard to wetlands, the SBSTA invited the IPCC to undertake further methodological work on wetlands, focusing on the rewetting and restoration of peatland, with a view to filling in the gaps in the 2006 IPCC Guidelines for National Greenhouse Gas Inventories (hereinafter referred to as the 2006 IPCC Guidelines) in these areas and to complete this work for the thirty-ninth session of the SBSTA."*

5. This task aims to fulfil this invitation by filling gaps in the 2006 IPCC Guidelines.

#### Scope

6. In response to the decision of IPCC XX and the invitation from the SBSTA at its 33rd session, the IPCC will provide a Supplement to the 2006 IPCC Guidelines as an IPCC Methodology Report, as outlined in the Table of Contents.
7. The overall aim of this work is:

***To develop additional national-level inventory methodological guidance, including default emission factor values, on wetlands to address the gaps identified in the 2006 IPCC Guidelines.***

8. This 2013 Supplement:
  - does not revise or replace the 2006 IPCC Guidelines, but provides a reference that complements and is consistent with these Guidelines.
  - will be completed before the 39<sup>th</sup> session of SBSTA in 2013, as noted in the work plan (table 1).
  - will be consistent with the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories, the IPCC Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories (2000), and the IPCC Good Practice Guidance for Land Use, Land-Use Change and Forestry (2003) as well as the 2006 IPCC Guidelines for National

Greenhouse Gas Inventories. Recent advances in science will be taken into account.

- will contain the methodological guidance to fill the gaps identified in the 2006 IPCC Guidelines in the sub-categories of peatland rewetting and restoration as well as anthropogenic emissions and removals from additional coastal and freshwater wetland types.
- does not cover flooded lands (such as reservoirs).

### Approach

9. The result of this work will be an IPCC Methodology Report “**2013 Supplement to 2006 IPCC Guidelines for National Greenhouse Gas Inventories: Wetlands.**” (See the Table of Contents, below)
10. The authors will follow guidelines (see annex 1 “Instructions to Experts and Authors”) to ensure compatibility with the 2006 IPCC Guidelines. Key elements of the work will be:
  - **Structure:** This 2013 Supplement will contain methodological guidance in a consistent structure with that for other categories in the 2006 IPCC Guidelines. Specific references or citation will be made to related chapters and guidance in the 2006 IPCC Guidelines. As applicable, reporting tables for the new sub-categories will be provided.
  - **Content of guidance:** This 2013 Supplement will include tiered methodological approaches; decision trees; new and/or updated methods and default emission factors, where appropriate; cross-references as necessary to avoid double counting or omissions of emissions and removals; and reporting and documentation guidance. The elements for cross-cutting issues will generally rely on the general guidance on Volume 1 of the 2006 IPCC Guidelines, and only additional guidance specifically relevant to the issues contained in this 2013 Supplement will be provided.
  - **Coverage:** The 2013 Supplement will cover the same greenhouse gases included in the 2006 IPCC Guidelines.
11. Literature will be considered up to a cut-off date at the start of the Government/Expert Review.
12. Table 1 provide the time table for this task.

**Table 1 Work Plan for 2013 Supplement**

Date	Action	Comment
May 2011	IPCC 33	Plenary approves ToR, Chapter outline and this work plan, guidance to authors
June – Aug 2011	Call for Nomination of Authors	IPCC invites nominations for authors and Review Editors from Governments and International Organisations.
Aug 2011	TFB select Authors	Selection by TFB considering expertise and geographical coverage, (The IPCC Bureau will be informed.).
Nov 2011	1 <sup>st</sup> Author Meeting	To develop zero order draft
Feb 2012	2 <sup>nd</sup> Author Meeting	To develop first order draft for review
Apr – May 2012	1 <sup>st</sup> Expert Review	8 weeks review by experts
July 2012	3 <sup>rd</sup> Author Meeting	To consider comments and produce second order draft for review
Oct 2012	Literature cut-off date	Only papers published before this date will be considered
Oct – Nov 2012	2 <sup>nd</sup> Expert & Government Review	8 weeks review by experts and governments
Feb 2013	4 <sup>th</sup> Author Meeting	To consider comments and produce final draft
April – May 2013	Government Consideration	Distribute to governments for their consideration prior to approval (at least 4 weeks prior to the Panel)
2013 (tbc)	Adoption/acceptance by IPCC 36	Final draft submitted to IPCC Panel for adoption/acceptance
Oct 2013	Distribute Guidelines	Distribute document to governments and Parties to UNFCCC (before SBSTA39 in December 2013)