

# Recent Developments in LULUCF Reporting under the Convention and the Kyoto Protocol

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Nalin Srivastava, UNFCCC

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# Outline

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- ❑ Important developments related to reporting and review under the Convention and KP
- ❑ Overview of changes in the CRF tables for Convention & KP-LULUCF reporting
- ❑ CRF reporter: status and recent developments
- ❑ Conclusions



## Introduction

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- ❑ To promote the provision of credible and consistent GHG information, COP have developed standardized requirements for reporting national inventories.
- ❑ Under the UNFCCC reporting guidelines for Annex I Parties, inventory submissions are in two parts:
  - ❖ Common reporting format (CRF) – a series of standardized data tables containing mainly numerical information and submitted electronically
  - ❖ National Inventory Report (NIR) – a comprehensive description of the methodologies used in compiling the inventory, the data sources, the institutional structures and quality assurance and control procedures
- ❑ Annex I Parties that are also Parties to the Kyoto Protocol are also required to report supplementary information required under Article 7, paragraph 1, of the Kyoto Protocol, with the inventory submission due under the Convention, including supplementary information relating to LULUCF activities.
- ❑ Articles 5, 7 and 8 of the Kyoto Protocol address reporting and review of information by Annex I Parties under the Protocol, as well as national systems and methodologies for the preparation of greenhouse gas inventories.



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# IMPORTANT DEVELOPMENTS RELATED TO REPORTING AND REVIEW UNDER THE CONVENTION AND KYOTO PROTOCOL



## Major developments : Convention

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- ❑ Finalization of the revised Annex I reporting guidelines for annual GHG inventories (decision 24/CP.19)
  - ❖ For use beginning in 2015
  - ❖ *2006 IPCC Guidelines* replace use of the *PCC good practice guidance and IPCC good practice guidance for LULUCF*
  - ❖ Encourage use of *IPCC wetlands supplement*
  
- ❑ SBSTA 46 to consider in June 2017 (SBSTA 39 conclusions):
  - ❖ Use of full scope of *IPCC wetlands supplement*, submissions due 1 March 2017.
  - ❖ reporting of HWP including using the different approaches set out in the *2006 IPCC Guidelines* based on Parties' experience
  
- ❑ Finalization of guidelines for the technical review of information reported under the Convention related to greenhouse gas inventories, biennial reports and national communications by Parties included in Annex I to the Convention (decision 13/CP.20)



## Major developments: Kyoto Protocol

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- ❑ Definitions, modalities, rules and guidelines relating to LULUCF activities in CP2 of KP agreed (decision 2/CMP.7)
  - ❖ New rules for treatment of FM, HWP, natural disturbances, harvest and conversion of forest plantations and inclusion of wetland drainage and rewetting as an elective activity under Article 3.4
- ❑ Finalization on guidance for reporting information on KP-LULUCF activities (decisions 2/CMP.8 & 6/CMP.9)
  - ❖ In accordance with decisions 2/CMP.6 and 2/CMP.7
  - ❖ Adoption of new CRF tables for KP-LULUCF activities
  - ❖ Clarification of the definition of reforestation
    - ✧ Limited to those occurring on lands that did not contain forest on 31 December 1989
  - ❖ The cap on FM (para. 13 of decision 2/CMP.7)
    - ✧ To be calculated on the basis of the base year or period emissions reported in the annual greenhouse gas inventory report due by **15 April 2015**, included in the initial report



## Major developments: Kyoto Protocol (2)

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### □ Methodologies for KP-LULUCF activities

- ❖ Apply the *2006 IPCC Guidelines* in accordance with the revised UNFCCC reporting guidelines
- ❖ Apply the *2013 IPCC Revised Supplementary Methods and Good Practice Guidance Arising from the Kyoto Protocol* in a manner consistent with decision 2/CMP.7
- ❖ Apply the *2013 Supplement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories: Wetlands* for wetland drainage and rewetting (not mandatory for other elected activities)



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# OVERVIEW OF CHANGES IN THE CRF TABLES FOR CONVENTION & KP- LULUCF





## Overview of changes in the CRF tables for LULUCF (Convention)

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- ❑ Direct N<sub>2</sub>O emissions from fertilization of forest land and other (table 5(I)) extended to include direct N<sub>2</sub>O emissions from nitrogen (N) inputs to managed soils (table 4(I))
- ❑ Non-CO<sub>2</sub> emissions and removals from drainage of soil and wetlands (table 4(II)) extended to include emissions and removals from drainage, rewetting and other management of organic and mineral soils (table 5(II))
- ❑ N<sub>2</sub>O emissions from land-use conversion to cropland (table 5(III)) extended to include direct N<sub>2</sub>O emissions from N mineralization/immobilization associated with loss/gain of SOM from land-use change and management of mineral soils (table 4(III))
- ❑ CO<sub>2</sub> emissions from agricultural lime application (table 5(IV)) moved to Agriculture sector (table 3.G-I)
- ❑ Land transition matrix (NEW table 4.1)
- ❑ Indirect nitrous oxide (N<sub>2</sub>O) emissions from managed soils (NEW table 4 (IV))
- ❑ C stock changes in HWP (NEW tables 4.G s1 & 4.G s2)



# Overview of changes in the CRF tables for KP-LULUCF

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- ❑ New pool: carbon stock changes in HWP (NEW table 4(KP-I)C))
- ❑ New elected activity: wetland drainage and rewetting (NEW table 4(KP-I)B.5)
- ❑ Information on area of natural forests converted to planted forests (NEW table NIR 2.1)
- ❑ Forest management: mandatory activity under Art. 3.4
- ❑ Information on land subjected to natural disturbances (NEW tables 4(KP-I)A.1.1 & 4(KP-I)B.1.3)
- ❑ Information on harvest and converted forest plantations and newly established forest (NEW table 4(KP-I)B.1.2)
- ❑ Information on forest management reference level and technical corrections (NEW table 4(KP-I)B.1.1)
- ❑ Recalculations (NEW table 4(KP)Recalculations))
- ❑ Changes in reporting requirements in other tables:
  - ❖ E.g., N<sub>2</sub>O emissions from N mineralization/immobilization due to carbon loss/gain associated with land-use conversions and management change in mineral soils (tables 4(KP-II)1, 4(KP-II)2, 4(KP-II) 3)
  - ❖ Accounting table: substantial changes in accordance with decision 2/CMP.1



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# CRF REPORTER: STATUS AND RECENT DEVELOPMENTS



## Recent COP/CMP decisions relating to CRF Reporter

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- ❑ Decision 24/CP.19 requested the secretariat to make available the upgraded CRF Reporter to Annex I Parties by June 2014 at the latest, in order to enable them to submit their inventories by **15 April 2015**
  
- ❑ Decision 6/CMP.9 requested the secretariat to:
  - ❖ Develop reporting software as part of the CRF Reporter for the KP LULUCF reporting tables to enable reporting by Parties under the KP by **15 April 2015**;
  - ❖ To make available the upgraded CRF Reporter to Annex I Parties **by June 2014** at the latest in order to enable them to submit their inventories by the due date of **15 April 2015**
    - ✧ in case the upgraded CRF Reporter is not available **by June 2014**, Parties may submit their greenhouse gas inventory after **15 April 2015** but not later than the corresponding delay in the CRF Reporter availability
  
- ❑ Decision 13/CP.20 recognized that the deadline, as set out in decision 24/CP.19, for providing the upgraded CRF Reporter to Annex I Parties was not met (version 5.0.0 of the CRF Reporter not functioning) and reiterated that Annex I Parties may submit their common reporting format tables **after 15 April, 2015** but no longer than the corresponding delay in the CRF Reporter availability



# CRF Reporter: Implementing COP19/CMP.9 decisions

## Past

- Following the several releases which took place in 2014, the following versions of the CRF reporter have been made available in 2015:
- January 2015 release -> addressed improvement of performance
- March 2015 release -> addressed data entry
- April 2015 release -> addressed aggregations

## Present

- In May 2015, a new version of the CRF reporter to focus on the reporting tables
- Reporting Tables in May version are expected to allow reporting and review under the convention in 2015
- Reviewers will receive specific guidance for 2015 reviews
- KP issues have been given lower priority as the LR12 conclusions state that reviews under the Kyoto Protocol cannot take place as a result of Parties not adopting decisions on reporting, review, accounting and adjustments

## Near Future

- Post May version will be released to include final adjustments and improve user- friendliness and user interface enhancements
- This post May version will also address the remaining KP LULUCF reporting tables issues



## The May 2015 version

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- ❑ Key issues in reporting tables are addressed to allow the 2015 inventory submission
- ❑ Although Parties' submissions can be delayed by the corresponding delay in the CRF Reporter, decision 13/CP.20 urges Parties to submit as soon as practically possible
- ❑ Secretariat needs approximately 3 months to arrange review, noting that reviews in November/December are difficult due to negotiations
- ❑ Reviewers will receive specific guidance for 2015 reviews
- ❑ KP issues have been given lower priority as the LR12 conclusions state that reviews under the Kyoto Protocol cannot take place in 2015 due to Parties not adopting decisions on reporting, review, accounting and adjustments for the CP2

**May version  
is expected to be the “functioning” version for the  
reporting and review under the Convention in 2015**



## CRF Reporter: Key “Take Away” Information

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- ❑ The data entry, the performance and the aggregations are already available features in the CRF Reporter
- ❑ GHG annual inventories preparation are allowed
- ❑ The data could be entered and will not be lost regardless of the release
- ❑ Key reporting tables issues will be addressed in the May 2015 release to allow reporting and review under the Convention in 2015
- ❑ The outstanding issues will be addressed post May 2015
- ❖ The KP LULUCF reporting tables are likely to be available in the **post May version** as the LR12 conclusions state that reviews under the Kyoto Protocol cannot take place in 2015 because decisions on reporting, review, accounting and adjustments for the CP2 of the Kyoto Protocol have not been adopted



## Conclusion

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- ❑ Annex I reporting guidelines for annual GHG inventories were finalized by decision 24/CP.19
- ❑ Guidance on supplementary information on KP LULUCF activities was finalized by decisions 2/CMP.8 and 6/CMP.9
- ❑ Decision 6/CMP.19 requested the secretariat to make available the upgraded CRF Reporter including the KP LULUCF reporting tables to Annex I Parties **by June 2014** at the latest, in order to enable them to submit their inventories **by 15 April 2015**
- ❑ Decision 13/CP.20 recognized that the deadline, as set out in decision 24/CP.19, for providing the upgraded CRF Reporter to Annex I Parties was not met (due to version 5.0.0 of the CRF Reporter not functioning) and reiterated that Annex I Parties may submit their common reporting format tables **after 15 April, 2015** but no longer than the corresponding delay in the CRF Reporter availability
- ❑ In May 2015 a new version of the CRF reporter to be released by the secretariat will focus on the reporting tables (decision 24/CP.19 and decision 6/CMP.9)
- ❑ Reporting Tables in May version are expected to allow reporting and review under the Convention in 2015





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Thank you very much for your  
attention!!

[nsrivastava@unfccc.int](mailto:nsrivastava@unfccc.int)

