

## Agenda item 4.1

Paragraph 24 (b) of the annotated agenda

# Draft Methodological tool: Calculation of the fraction of non-renewable biomass.

**CDM EB 96**

Bonn, Germany, 18 to 22 September 2017



## Procedural background

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- EB90 agreed that:
  - a) Expiry** of the default country-specific fNRB values already approved by the Board **in five years from the date of their approval**;
  - b) SB procedures shall be followed for an update to the fNRB values;
  - c) Mandated the SSC WG to **initiate work to propose a revision to the method for the top down development of fNRB values.**
- A call for public inputs was launched from 7 to 21 April 2017. One input was received.



## Purpose

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- The tool aims to provide guidance and a step-wise procedure/method to calculate fNRB values.



## Key Issues and Proposed Solutions

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- New and comprehensive information on region-specific fNRB values based on long-term studies have now become available.
  - a) The study conducted an assessment of woodfuel supply and demand, using 2009 as a base year,.
  - b) Some limitations of the method used in this study:**
    - The input data on household woodfuel consumption used by the study is not up to date.
    - The definition of renewable biomass used by the study is not identical to the Board's definition on renewable biomass.
  - c) Therefore, the approach of the study was considered for information purposes, but not applied directly in this tool.**
  - d) The values and methods used in registered CDM PDDs and PoA-DDs/CPA-DDs were also reviewed.



# Proposed method

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- Step-wise procedure/method
  - a) **By DNAs** to submit region/country-specific default fNRB values, following the SB procedure; or
  - b) **By PPs** to calculate project or PoA-specific fNRB values
- Default: **30%**
  - This is proposed taking into account several recent studies, for example, 27-34% estimated by Bailis et al. (2015) and 41-43% estimated by Cashman et al. (2016).



# Proposed method

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- Procedure to estimate **demand** for woody biomass (H and  $B_{old,total}$ )
  - a) Domestic wood consumption
    - Average household woodfuel consumption
    - Number of households
  - b) Non-domestic wood consumption
- Procedure to estimate **supply of renewable biomass** (DRB)
  - a) Estimates of the Mean Annual Increment of biomass (MAI) of the **managed forests** in the country/region/area; and
  - b) Estimates of the MAI of **trees outside forests** in managed lands.



- The tool to calculate fNRB values will reduce transaction costs and facilitate the implementation of CDM project activities and CPAs that displace the use of non-renewable biomass (e.g. cook stoves) which have significant relevance for underrepresented regions of the CDM.



## Recommendations to the Board

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- The SSC WG recommends that the Board approve this draft methodological tool, to be made effective at the time of the Board's approval.





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# Thank You



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