

## **Agenda item 4.1. (a)**

Paragraph 20 of the annotated agenda

# Concept note: Analysis and options regarding caps used in AMS-I.E, AMS-II.G and TOOL30

**CDM EB 111**

**Virtual meeting**

**30 August–1 September and 7–9 September 2021**



## Procedural background & Purpose

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- EB 108 approved the following revised methodologies and tool:
  - a) “AMS-I.E.: Switch from NRB for thermal application by the user”;
  - b) “AMS-II.G.: Energy-efficiency measures in thermal applications of NRB”; and
  - c) “TOOL30: Calculation of the fraction of NRB”.
- However, for caps recommended by MP in the above methodologies, the Board requested to conduct additional analysis and explore alternative options.
- Purpose of this concept note is to address the mandates provided at EB 108 and make a recommendation to the Board.



## Key issues and proposed solutions

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- Caps recommended by MP had included:
  - 1) Wood-to-charcoal conversion factor
    - **default 6 (existing)**, *cap of 8*.
  - 2) Average annual consumption of woody biomass per person
    - **default 0.5 t/capita/year (existing)**, *cap of 0.9*.
  - 3) f<sub>NRB</sub> value
    - **default 0.3 (existing)**, *cap of 0.6*.
- Following an analysis, the MP, in lieu of caps, recommended **options for indicating thresholds in the methodologies**
  - When thresholds are exceeded, additional proof on data sources, data vintage and other information is sought to ensure the reliability of emission reduction estimates.



### 1) **Wood-to-charcoal conversion factor**

- Default 6 (existing).
- Range between 4 and 8 indicated in IPCC.
- Some PDDs do not include a direct reference to literature to justify a high value above 6.
- PPs may propose value **beyond 8, only if:**
  - a) PPs have **access to the primary source of data** (i.e. study/survey directly conducted by them or a publication/report that directly provides a value for the parameter); and
  - b) Study/survey was conducted **within the proposed geographical coverage** of the project/PoA; and
  - c) The above data source was not **older than five years** from the date of publication of the PDD for GSC.



### 2) Average annual consumption of woody biomass per person

- Default 0.5 t/capita/year (existing).
  - UN and DHS (Demographic and Health Surveys): 0.9 t/capita/year (average value plus one standard deviation, applicable for the regions where most cookstove activities are hosted).
  - Average values by region from PDDs are below 0.9 for most regions.
  - PPs may propose the value **beyond 0.9, only if:**
    - a) PPs have **access to the primary source of data** (i.e. study/survey directly conducted by them or a publication/report that directly provides a value for the parameter); and
    - b) Study/survey was conducted **within the proposed geographical coverage** of the project/PoA; and
    - c) The primary data source **should not be older than five years** from the date of publication of the PDD for GSC.
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### 3) fNRB value

- Default 0.3 (existing), As per Bailis, et al (2015): Global fNRB 27-34%, Hotspots: fNRB > 50% in E Africa, S Asia.
- PPs may propose the value **beyond 0.6, only if:**
  - a) PPs have **compared and analysed** the values proposed by them **against the values** for fNRB reported in relevant scientific literature and **credibly justified any differences**. This analysis shall be included in the appropriate section of the PDD;
  - b) The relevant scientific literature includes at least *Bailis, et al, (2015)* and *Cashman, et al, (2016)*.
- The proposal is in line with EB97 decision: For future SB submissions for fNRB, Board requested MP/Sec to compare and analyse the values proposed by DNA against relevant scientific literature.



## Impacts

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- Proposed improvement of the methodological approaches in AMS-I.E., AMS-II.G. and TOOL30 will ensure the reliability of calculating emission reductions and facilitate the implementation of CDM project activities and PoAs in the household cookstove sector.



### **Recommendations to the Board**

- MP recommends that the Board consider the concept note and provide further guidance.

### **Subsequent work and timelines**

- Based on guidance from the Board, the draft revision to AMS-I.E., AMS-II.G. and TOOL30 will be prepared by the MP.

