

Agenda item 4.1.

Paragraph 18 of the annotated agenda

CDM in urban sectors- Information note

CDM EB 97

Bonn, Germany, 30 October to 3 November 2017



EB 90 considered 'further development of CDM in urban sectors' and requested:

1. To develop guidelines for PA and PoAs in the urban context, providing best practice examples in a PoA design document (PoA-DD) template
 1. Work towards the standardization of parameters in methodologies
 2. Develop innovative/suitable methods for demonstrating additionality for urban sectors (avoid overlaps)

Background

MP73 launched a call for public inputs and prepared an outline for the work

- (a) Definitions;
- (b) CDM methodologies applicable to city-based mitigation programmes;
- (c) Double counting and interactive effects;
- (d) Innovative approaches for additionality demonstration;
- (e) Standardization of parameters;
- (f) Appendix: 'Best Practice Examples in a PoA-DD Template'.



Example PoA-DD

- MP considered several international initiatives on climate mitigation action in the urban context and proposed to develop PoA-DD template including best practice examples primarily based on the ‘Yerevan City Sustainable Energy Action Plan’
 - Encompasses measures in most sectors relevant to urban context, such as transport, buildings, energy generation, and waste management
- Recognizing the complexity of the building sector, MP proposes to focus the PoA-DD template on the mitigation measures applicable for buildings



Standardization of the parameters in methodologies

- Secretariat in collaboration with UNEP held a workshop ‘Mitigation in the building sector’ (31 July to 1 August 2017).
 - a) State of the art tools for assessing mitigation action in the urban sector were presented (e.g. Common Carbon Metric of UN Environment, EDGE tool from IFC)
- ‘Excellence in Design for Greater Efficiencies (EDGE)’ by IFC is an assessment tool and a certification system.
 - a) To achieve a certificate a building must demonstrate a 20 per cent reduction in operational energy consumption, water use and embodied energy of materials compared to baseline case.
- Under EDGE baseline cases are developed based on city surveys outcome that are then calibrated
- MP is exploring possibility to apply EDGE under the CDM under conditions to be specified.
- Therefore, the MP, the secretariat and the EDGE team started exploring ways to integrate elements of the EDGE tool into the CDM framework.



- The MP and the secretariat are exploring different options of demonstrating additionality for mitigation measures in urban context, including:
 - a) Developing a PoA in way that all measures would be automatically additional, e.g. positive list, microscale;
 - b) Benchmark approach on the PoA level based on the total GHG emission per capita in a city;
 - c) Benchmark approach on the CPA level based on GHG emission/energy intensity per sector output. For example kWh/m².yr for buildings, tCO₂/m³ of water.

Next Steps and further work

- The Board may wish to consider the update from MP and provide any guidance to MP

