



Global Alliance
for Buildings and
Construction



Technical Expert Meetings on Mitigation TEM-M 2020

“Human settlements: sustainable low-emission housing and building solutions. Technologies and design for buildings, housing and construction”

Concept Note

Virtual meeting: 30 September, 7 October and 14 October 2020
Organised by the Global Alliance for Buildings and Construction
And United Nations Framework Convention on Climate Change Secretariat

Getting to zero emission buildings by 2050

*The objective of the TEM is to share low emission housing and building solutions, from technologies to policies and processes, and continue to build a community that drives and implements an ambitious vision for the sector: **Zero Carbon Buildings by 2050.***

Organised as a virtual meeting of three 90-minute sessions, the first two focusing on trends, barriers and solutions regarding cooling and circularity respectively and the third focusing on developing pathways for moving sustainable buildings and construction sector solutions to scale. Each session will feature experiences from around the world, followed by an interactive discussion.

- 1. Cool buildings for all**
- 2. Mobilising the value chain towards circular economy**
- 3. Developing pathways for moving to scale**



Getting to zero emission buildings by 2050

Programme outline

DAY ONE – Wednesday, 30 September 2020

Master of Ceremonies: Martina Otto, Head of Cities Unit and Head of GlobalABC Secretariat

12:00 – 12:10	<p>Introduction <i>Martina Otto, Head of Cities Unit and Head of GlobalABC Secretariat</i></p> <p>Welcoming remarks <i>Roland Hunziker, Director Sustainable Buildings and Cities, WBCSD & GlobalABC Steering Committee co-chair</i> <i>James Grabert, Director, Mitigation Division, UNFCCC</i></p> <p>Report on the Regional Technical Expert Meetings <i>Mareer Mohamed Husny, Chair, Technology Executive Committee</i></p>
12:10 – 12:20	<p>Keynote – Setting the scene: The vision for strengthening the buildings sector engagement towards the Paris Agreement, and the Race to Zero in 2050. <i>Chair of SBI Marianne Karlsen</i></p>

1. Cool buildings for all

12:20 – 12:25	<p>Session introduction Moderator: Marion Canute, broadcaster/communications specialist</p>
12:25 – 13:05	<p>Panel discussion</p> <ul style="list-style-type: none">• The growing cooling demand: Trends and responses Gabby Dreyfuss, Kigali Cooling Efficiency Program (K-CEP)/Climateworks.• Meeting cooling needs through building design: Passive buildings & effective Retrofits Jessica Grove-Smith, Passive House Institute; Polash Mukerjee, Natural Resources Defense Council.• Identifying local cooling solutions: Local building materials & vernacular architecture Mae-ling Jovenes Lokko, Rensselaer Polytechnic Institute.• Nature-based solutions for cooling and greening David Callow, City of Melbourne Yvonne Lynch, City of Riyadh
13:05 – 13:35	<p>Question & interactive discussion (mentimeter): How can national and local governments support uptake of sustainable cool buildings?</p>
13:35 – 13:45	<p>Summary and close Marion Canute, broadcaster/communications specialist</p>

DAY TWO – Wednesday, 7 October 2020

2. Building (back) better: Mobilising the value chain towards circular economy

12:00 – 12:05	Welcome and Introduction Moderator: Marion Canute, broadcaster/communications specialist
12:05 – 12:40	Panel discussion Topics: <ul style="list-style-type: none"> • Moving the built environment towards circularity • Sustainable buildings as opportunity for innovation, jobs, and local growth • Circular, green buildings: an asset for development banks and real estate • Making housing both circular and affordable • Sustainable buildings as opportunity for recovery: Building back better
12:40 – 13:20	Question & interactive discussion (mentimeter): What are key enablers for circularity in buildings?
13:20 – 13:30	Summary and close Moderator: Marion Canute, broadcaster/communications specialist

DAY THREE – Wednesday, 14 October

3. Developing pathways for moving to scale

12:00 – 12:05	Welcome and Introduction to the session Moderator: Marion Canute, broadcaster/communications specialist
12:05 – 12:30	Introducing tools for moving to scale: MPGCA pathways and regional roadmaps
12:30 – 13:10	Panel discussion – implementing pathways Topics: <ul style="list-style-type: none"> • Achieving a net zero built environment: What's needed in NDCs and building standards • Regional coordination & vertical integration as action accelerator • Moving to action - from regional to national roadmaps
13:10 – 13:15	Question & interactive discussion (mentimeter): Using tools for going to scale
13:15 – 13:25	Summary & close: Moderator: Marion Canute, broadcaster/communications specialist
13:25 – 13:35	Overall summary & outcomes: Master of Ceremonies Martina Otto
13:35 – 13:45	Closing remarks:



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	<ul style="list-style-type: none">• Ovais Sarmad, Deputy Executive Secretary of the United Nations Framework Convention on Climate Change (UNFCCC)• Gonzalo Muñoz, High-Level Champion of Chile
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