



CNCA
CARBON NEUTRAL CITIES ALLIANCE

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#CNCA

Embodied Carbon in the Built Environment – An International Perspective on Policy Frameworks

Who We Are – CNCA Cities



Adelaide · Amsterdam · Boulder · Copenhagen · Hamburg · Helsinki · London · Melbourne · Minneapolis · New York · Oslo · Portland · Rio de Janeiro · San Francisco · Seattle · Stockholm · Sydney · Toronto · Vancouver · Washington DC · Yokohama



GAME CHANGERS:

Bold Actions by Cities to Accelerate
Progress Toward Carbon Neutrality

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Innovation Network for Communities



A Systems Change Approach

- Carbon neutrality requires **urban systems transformation**
- Cities **implementing** game changing solutions
- carbonneutralcities.org

Why Embodied Carbon

- Global floor building area 2019: 225 billion m²
- Come 2050: **453** billion m²
- 40% of all new construction before 2030



Why Cities – The Role of the Climate Vanguard Cities

- Where we are:
 - Urban population growth
 - Urban construction – 100 gigatons of embodied carbon in BAU
- To take action:
 - Political will and resources
 - Data and partnerships

CLIMATE VANGUARD CITY

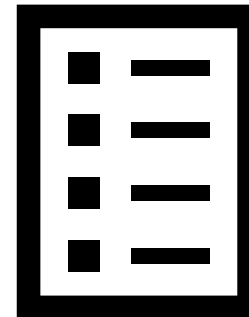
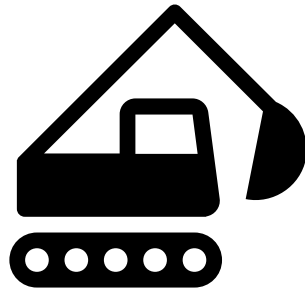
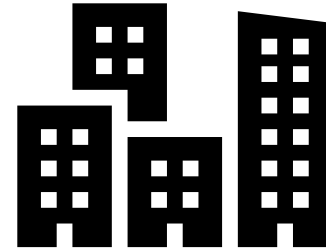


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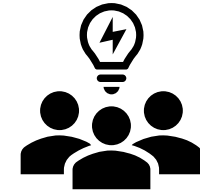


Four Action Areas



A Policy Framework for Embodied Carbon

- What are the policy tools out there?
- How do they rank in terms of emission impact, cost-efficiency and their legal basis?
- Gives cities research-based choices



“

"Sleepwalking into disaster"; as with climate work at large, we are working with both apathy and lack of awareness in the design community, and in the public. [...] There is plenty of technological work and innovation still needed, but the real challenge is one of public relations or marketing: getting us all dancing to the same music, singing the same mythic story.

BRUCE KING

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Thanks!

