



Green cement & concrete for reduced emissions

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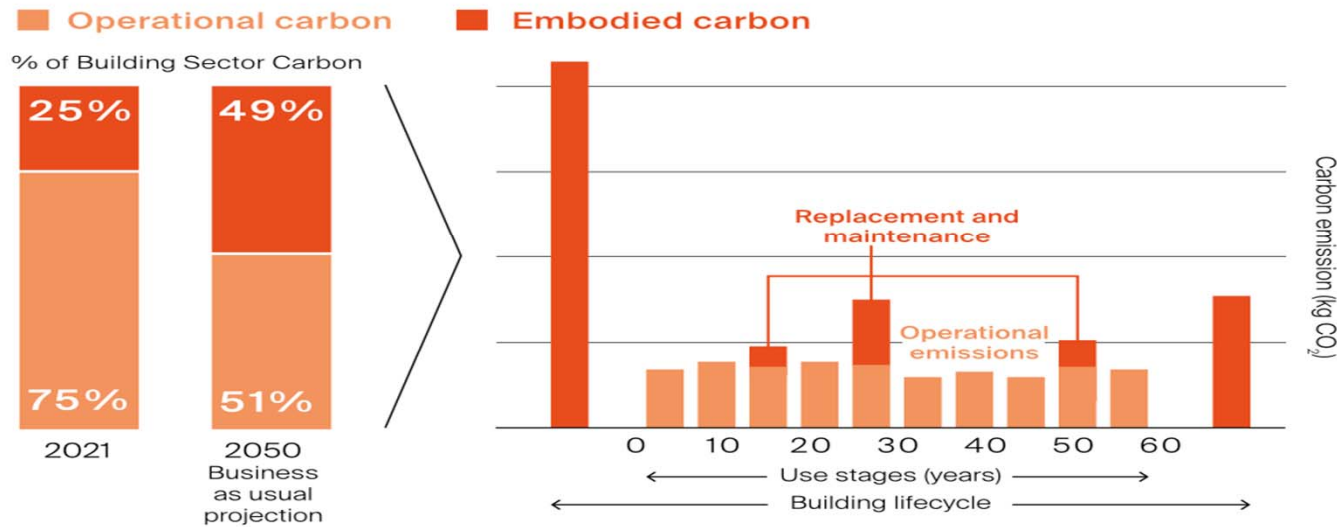
At

Meru University of Science & Technology -Kenya



42% of the Global Carbon emissions are from the built environment

Projected Contributions from Embodied and Operational Carbon within the Building Sector

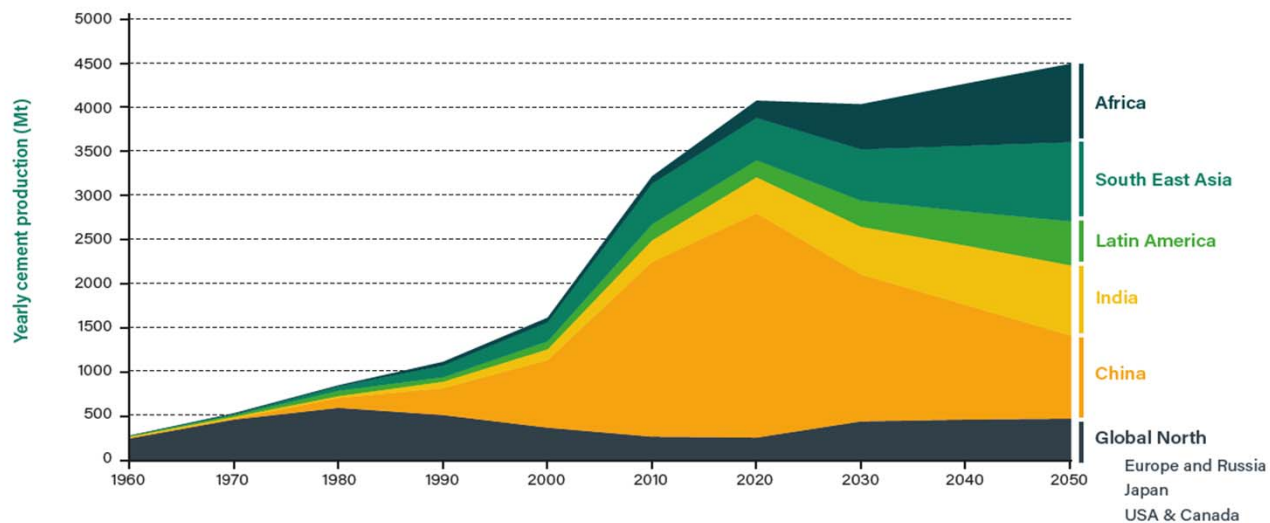


Source: GlobalABC: Sustainable Building Materials Hub

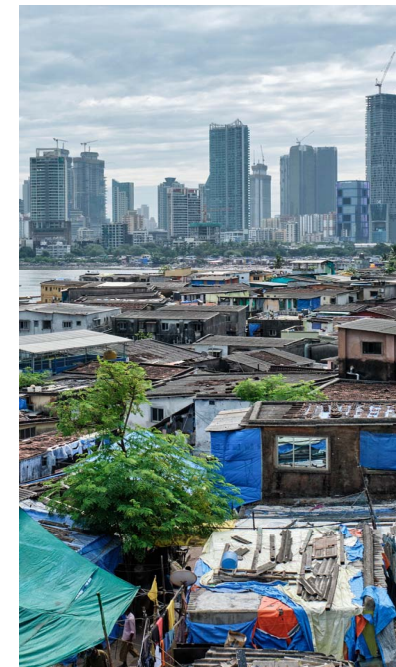


Changing pattern of cement use: Cement based materials are more than two thirds of all construction

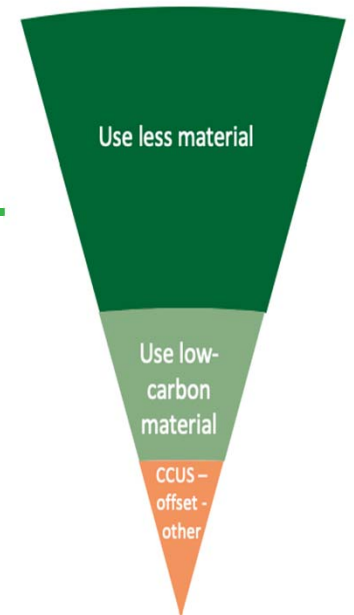
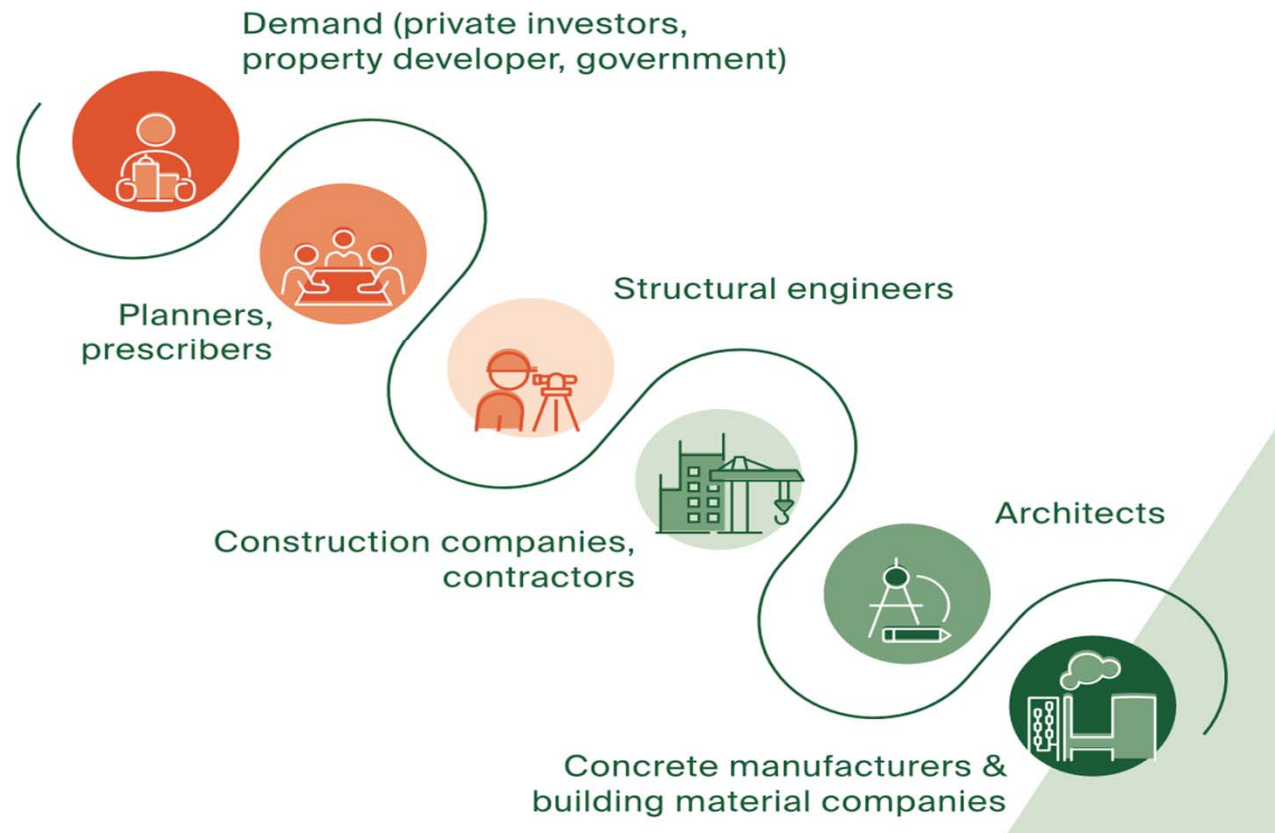
Historical and forecast cement supply per region



We need solutions for people in developing countries



Value Chain

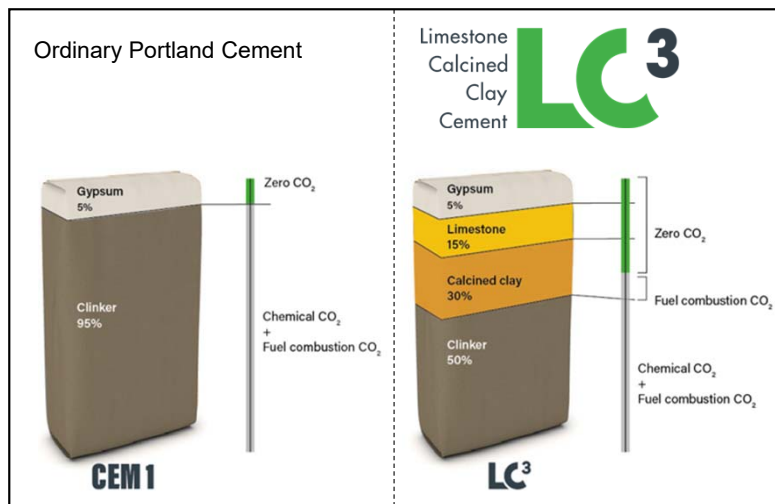




Barriers to decarbonisation of building materials

- Lack of standards « for low carbon cement and concrete
- Fragmentation of building industry « lack of coordination among different stakeholders in the building sector
- Lack of incentives « initiatives on green procurement and financing
- Minimal policy support « missing government policies
- Low public awareness « insufficient knowledge on benefits of low carbon cement and concrete
- No clear LCA for building with clear definition of how much CO₂ is low carbon cement & concrete

LC³ – Limestone Calcined Clay Cement



- LC³ is a **low-carbon** blended cement type
- Reduces CO₂ emissions in cement by 40%**
- Produced today in **9 plants** worldwide; +20 more by 2025
- Can save **500 million tonnes of CO₂** by 2030



Building in construction, Columbia
© Argos Cementos

