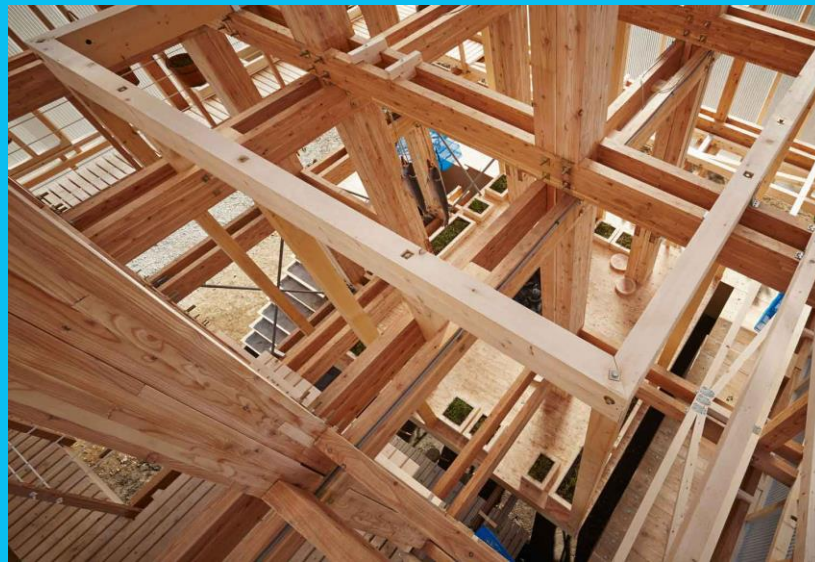


September 2024



# C40 Clean Construction programme overview



# The C40 Cities network

Directly representing **582 million** residents

Influencing **896 million** people living and working in the wider city



**AFRICA:** ABIDJAN – ACCRA – ADDIS ABABA – CAPE TOWN – DAKAR – DAR ES SALAAM – DURBAN (ETHEKWINI) – EKURHULENI – FREETOWN – JOHANNESBURG – LAGOS – NAIROBI – TSHWANE | **CENTRAL EAST ASIA:** BEIJING  
CHENGDU – DALIAN – FUZHOU – GUANGZHOU – HANGZHOU – HONG KONG – NANJING – SHANGHAI – SHENZHEN – QINGDAO – WUHAN – ZHENJIANG | **EAST, SOUTHEAST ASIA & OCEANIA:** AUCKLAND – BANGKOK – HANOI  
HO CHI MINH CITY – JAKARTA – KUALA LUMPUR – MELBOURNE – QUEZON CITY – SEOUL – SINGAPORE – SYDNEY – TOKYO – YOKOHAMA | **EUROPE:** AMSTERDAM – ATHENS – BARCELONA – BERLIN – COPENHAGEN – HEIDELBERG  
ISTANBUL – LISBON – LONDON – MADRID – MILAN – OSLO – PARIS – ROME – ROTTERDAM – STOCKHOLM – TEL AVIV – WARSAW | **LATIN AMERICA:** BOGOTÁ – BUENOS AIRES – CURITIBA – GUADALAJARA – LIMA MEDELLÍN  
MEXICO CITY – RIO DE JANEIRO – SALVADOR – SÃO PAULO – SANTIAGO – QUITO | **NORTH AMERICA:** AUSTIN – BOSTON – CHICAGO – HOUSTON – LOS ANGELES – MIAMI – MONTRÉAL – NEW ORLEANS – NEW YORK – PHILADELPHIA  
PHOENIX – PORTLAND – SAN FRANCISCO – SEATTLE – TORONTO – VANCOUVER – WASHINGTON DC | **SOUTH & WEST ASIA:** AHMEDABAD – AMMAN – BENGALURU – CHENNAI – DELHI – DHAKA – DUBAI – KARACHI – KOLKATA – MUMBAI



# Why do cities matter?

Cities occupy  
**2%**  
of the world's  
landmass

Cities consume  
around  
**75%**  
of the world's  
energy

Cities  
create over  
**70%**  
of energy-related  
greenhouse gas  
emissions

Cities  
generate over  
**80%**  
of the  
world's GDP



# Construction happens in cities

- By 2050, **2.5 billion more people** will live in cities
- **60%** of buildings that will exist in 2050 are yet to be built
  - > *This means building a **city like Stockholm every week and a city like New York every month until 2050***

=> Cities drive the demand

# C40 Clean Construction Cities

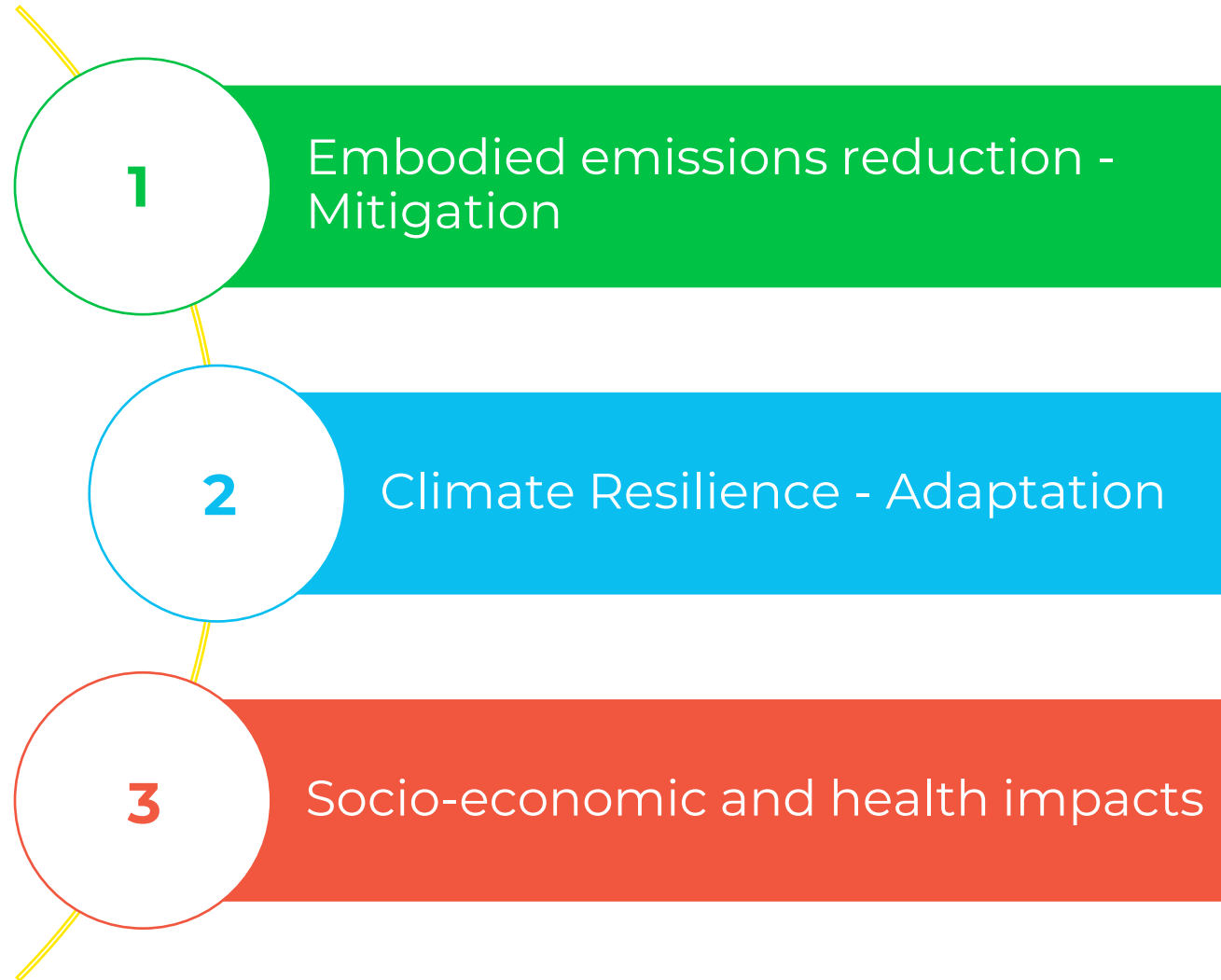


TOTAL OF  
**49**  
CITIES

CITIES ENGAGED  
CC ACCELERATOR SIGNATORIES



# Clean Construction 3 pillars



# What can cities do?

- Set the **vision**, adopt **strategies and targets**
- Develop a set of **policies and regulations**
  - Building codes
  - Planning and zoning policies and permits
  - Procurement rules and specifications
- Use their **soft powers** to:
  - Convene communities and stakeholders
  - Support education and training programmes
  - Build the case with flagships and demonstration projects
  - Competitions and awards
  - Fiscal measures and financial schemes

## C40 Clean Construction Policy Explorer

An [interactive map](#) of cities actions

Available in several languages including English, French, Italian, Mandarin Chinese, Portuguese and Spanish



### Explore the data:

Filter by:

Region:

City:

Policy Type

Applicable to

Voluntary / Mandatory

Strategies, targets, and pilots

Select a city or a region to see its current policies and actions. Select a policy type, or the type of asset it is applicable to for getting the scope of the activities undertaken.

### Clean construction policy map



Hover over each city to see the summary of its policies and actions. For more details on the cities' policies or actions, see the table below.

Clean Construction Policy Explorer – C40 Knowledge Hub



# Clean Construction Accelerator: Mayoral leadership

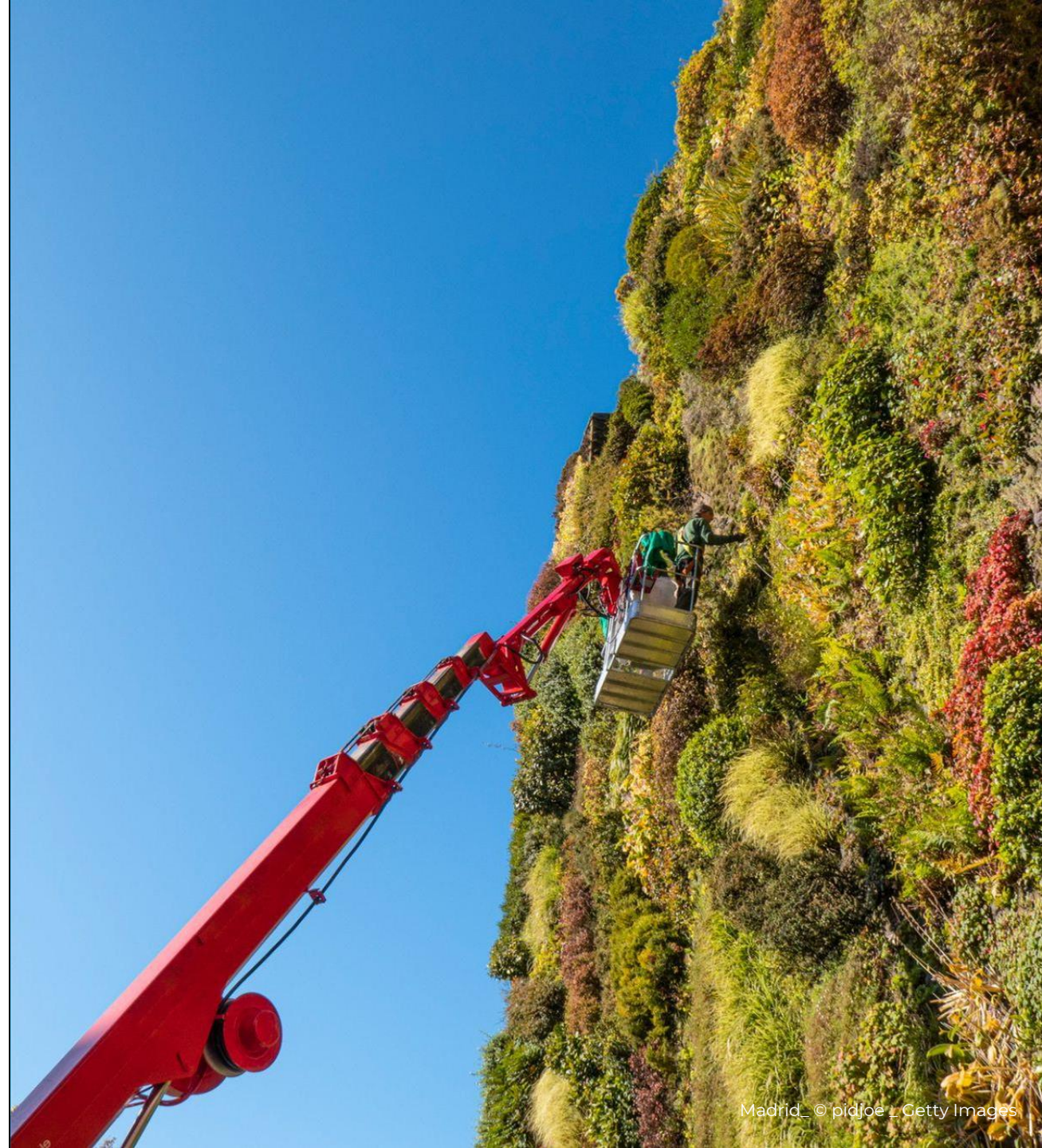


- **Statement of political leadership by C40 mayors**
- Launched in November 2020 – 8 signatories
- Signatory cities commit to 8 tangible actions (on the left).
- With these actions, cities meet their share of responsibilities in reaching **three collective goals** for the sector:
  - **Require zero emission construction sites city-wide by 2030, where available.**
  - Reduce embodied emissions by at least 50% for all new buildings and major retrofits by 2030
  - Reduce embodied emissions by at least 50% of all infrastructure projects by 2030



# Clean Construction Accelerator objectives

- **Shift the market by aggregating cities demand**
- Demonstrate cities leadership in implementing the construction hierarchy
- **Showcase the business case and societal value**
- Stimulate a green economy valuing local and decent jobs, local markets, sustainable solutions and innovation





# Clean Construction Action Coalition (CCAC)

Launched by C40 at COP26, in partnership with World Green Building Council, for:

- **Companies across the value chain to recognise and endorse the Clean Construction Accelerator** and cities' commitment to 8 tangible actions
- **Translate companies climate pledges into actions aligned with those of cities**, as per the CC Accelerator
- **Provide a safe space for dialogue and collaboration**, to identify blockers, challenges and opportunities to move further faster together across the value chain

## Companies

American Institute of Architects (AIA) - BuildX

Building Transparency - Buro Happold

Dar Group - Holcim - IKEA

Multiplex - Perkins and Wills - Ramboll

Turner Construction - Stora Enso





# Resources on C40 Knowledge Hub

## Policy Brief and strategy paper

- [Why cities need to address the construction sector's hidden emissions](#)
- [Achieving a decarbonised and climate-resilient built environment](#)

## How to guide

- [How to reduce embodied emissions in municipal construction and lead by example](#)
- [How to reduce embodied emissions in private and residential buildings](#)
- [How to start deconstruction and stop demolishing your city's buildings](#)

## Webinar

- C40 webinar on [zero emission construction sites](#)

## Case studies and City profiles

- [How Oslo](#) is driving a transition to Clean Construction and [Oslo's Pursuit of an Emission-free Construction Industry](#)
- [Making the case for Clean Construction series: Toronto, Mexico City, Milan, Quezon City, Ekurhuleni and Qingdao](#)
- Clean Construction in practice: [case studies](#) from Reinventing Cities
- [Developing an Embodied Carbon Policy Reduction Calculator](#) for cities: case study from **Austin, New York** and **Portland**, co-developed with the University of Washington (CLF)
- [Buildings for Tomorrow: Emerging Practice in the Nordic Buildings Sector](#)

## Map of City Actions

## [Clean Construction Policy Explorer](#)

## Clean Construction E-Learning Course

[Clean Construction E-learning course](#) for city officials



**Thank you**

