



The Road to COP26: Tackling Net Zero Whole Life Carbon

#BuildingLife

Today's speakers & panellists



John Alker
Director of Policy &
Places
UKGBC



Martina Otto
Head of the Cities Unit
at UNEP, Head of the
Secretariat of the
GlobalABC



Tom Spurrier Project Lead UKGBC





Will Hall
Head of Buildings and
Industry for COP26,
BEIS



Charlotte Foster
MD of Large Corporate
Commercial Real Estate
Natwest



Dr. Jannik Giesekam
Research Fellow in
Industrial Climate Policy,
University of Leeds



Stephen Richardson
Director, Europe Regional
Network
WorldGBC



Agenda

10mins	Welcome	John Alker
5mins	Global Status Report for Buildings	Martina Otto
10mins	Roadmap overview	Tom Spurrier
5mins	UK Government perspective	Will Hall
35mins	Panel discussionCharlie FosterDr. Jannik GiesekamStephen Richardson Audience Q&A	Panellists
	Close	



To radically improve the sustainability of the built environment, by transforming the way it is planned, designed, constructed, maintained and operated.





- Committed to net zero & taking action
- Developing solutions to 'build back better' UK & globally
- Need government policy to help drive and unlock further progress



Net Zero Carbon Buildings Commitment

- ✓ Net zero carbon portfolios in operation by 2030.
- ✓ Advocate for net zero carbon built environment by 2050.
 - + Whole life carbon component in development













Bioregional







Signatory snapshot









42

4,790

16.7m+ 1.19m+

UKGBC member signatories

Buildings and offices

Square metres

t/CO2



Note: figures are based on self-reported data from signatories

Whole Life Carbon Roadmap WorldGBC consortium







Green Building Council Italia

















Funders



IKEA Foundation









The 2020 Global Status Report for Buildings and Construction

Martina Otto

Head of the Cities Unit at UNEP
Head of the Secretariat of the GlobalABC







Over 150

members:

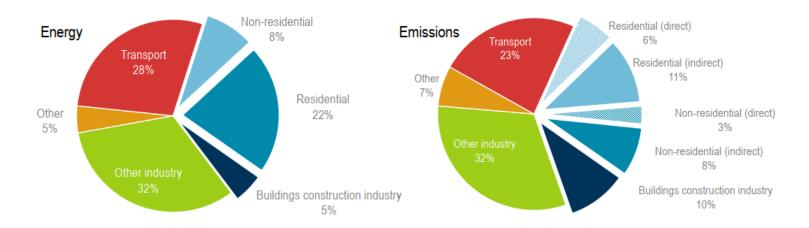
governments, private sector, civil society, research and intergovernmental organisations



Common Vision: A zero-emission, efficient and resilient buildings and construction sector

- >>> A global advocate and catalyst
- A trusted platform to set targets & track progress and facilitate support to countries in setting priorities & measures based on their situation.

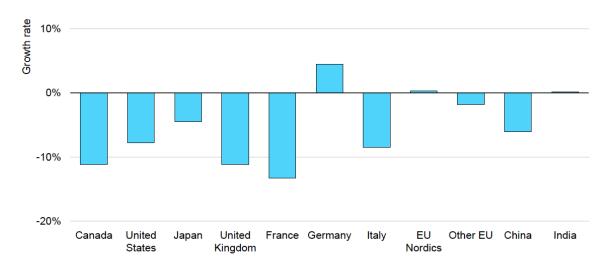
The 2020 Buildings-GSR: CO2 emissions



Despite stable energy demand, CO2 emissions from building operations and construction reached their highest level ever recorded in 2019 at around 10 GtCO2, or 38% of global CO2 emissions.



The 2020 Buildings-GSR: COVID-19 impacts



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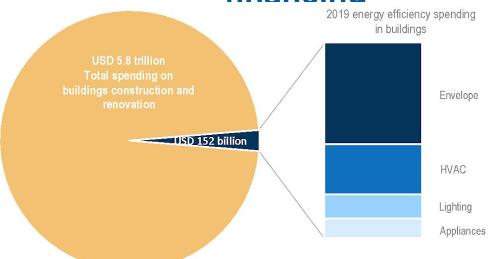
Notes: Buildings construction activity is estimated based on the average number of square metres under active construction for a given year, itself derived from construction starts and housing completions data. The EU Nordics country grouping includes Demark, Finland and Sweden.

Due to the pandemic, many countries have reported a significant slowdown in buildings completions.

The effect of the pandemic on the construction sector might result in **embodied emissions** from buildings being around 5% lower in 2020 than the previous year [IEA ETP 2020].



The 2020 Buildings-GSR: Investment & financing



Spending for energy efficient buildings increased in 2019 for the first time in the past three years.

Yet, at an increase of just 3%, this is outpaced by investment in conventional buildings and construction.









A Framework and a process

to support setting of targets and milestones for decarbonisation of the buildings and construction sector





Roadmap for Buildings and

Construction in Latin America 2020-2050 Towards a zero-emission, efficient, and resilient buildings and construction sector

- >>> Consultative process, involving 700 stakeholders globally
- 8 priority areas: urban planning, new and existing buildigns, building operations, systems, appliances, materials, energy
- Short-term, medium term and longer-term targets and milestones, with policy, technology and finance solutions
- Now being taken to the national level, incl. via national alliances

Example

New buildings

Status

Most construction occuring in places with no codes for mandatory minimum energy performance Recommendations

Prioritise high efficiency standards

Develop decarbonisation strategies, implement mandatory building energy codes, incentivise high performance



JOIN US ON 16 DECEMBER 2020, 3PM CET FOR THE REPORT LAUNCH



Contact us at global.abc@un.org Visit www.globalabc.org

Project Team



Tom Spurrier Project Lead UKGBC (seconded from Hoare Lea)



Alexandra Jonca Project Officer UKGBC



Alex Green
Stakeholder Engagement
Adviser
UKGBC (seconded parttime from BPF)





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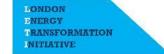
Net Zero Whole Life Carbon Roadmap for the UK Built Environment

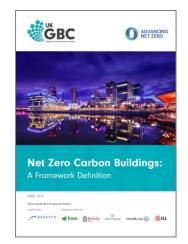
Tom Spurrier
Project Lead, UKGBC
Associate Director, Sustainability, Hoare Lea



Advancing Net Zero

















Case Studies



BRITISH PROPERTY FEDERATION



Net Zero Carbon Buildings Commitment













Net zero whole life carbon roadmap objectives







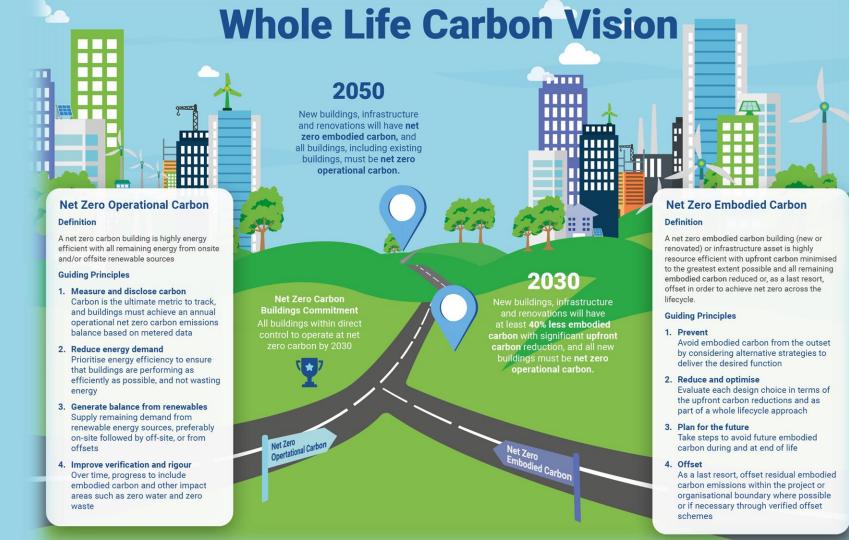
Scope



Stakeholders from across the value chain

Covers the entire building life cycle

New and existing buildings and infrastructure



Key outputs





A report setting out the actions, policies and processes needed to manage the net zero transition in the built environment



A 1.5° aligned science-based trajectory for reducing built environment emissions, including targets for relevant sub-sectors

Roadmap Report



Actions, initiatives, processes to drive emission reductions

Governance structure to manage the transition

Processes for developing sub-sector action plans



Facilitate collaboration

Secure cross-sector commitments and actions

Catalyse policy change

1.5° aligned carbon trajectory



Carbon budget for UK built environment



Sub-targets for built environment sub-sectors

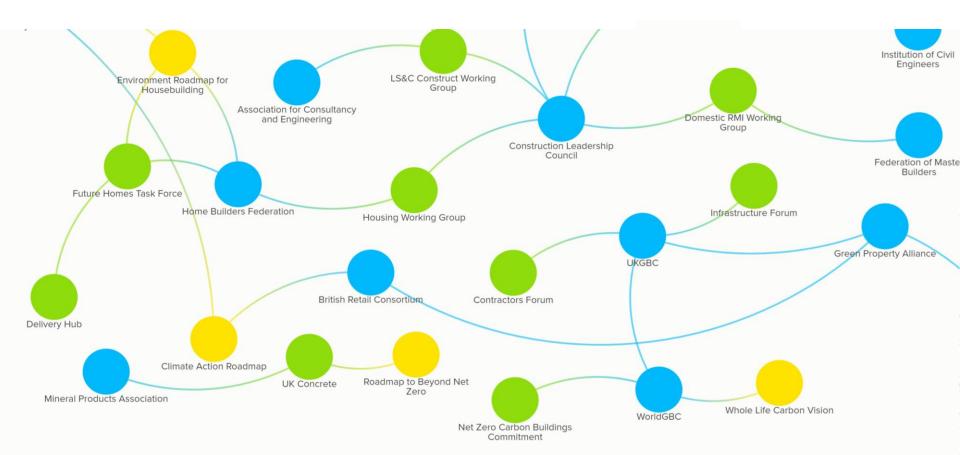
Foundation for setting SBTs by organisation & benchmarks by project type

Delivery process



- Industry-wide advisory/steering group to oversee project
- Expert input from key stakeholders across value chain, academia, policy
- Modelling of science-based targets
- Industry-wide consultations on draft roadmap proposals and actions
- Government engagement to align roadmap with key policies and upcoming strategies
- Endorsements of final roadmap & commitment to subsequent actions

UK landscape



Timeline



Roadmap Programme	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21
Scoping and Research												
Action Setting and Consensus Building with the Industry Steering Group												
Carbon Target Modelling												
Final Report Drafting and Seeking Formal Industry Endorsements												
Launch at COP26												

Calls to Action

- If you are interested in getting involved in the Roadmap project as a relevant institution or industry body, contact <u>Alexandra.Jonca@ukgbc.org</u>
- Sign up to the Advancing Net Zero mailing list for general updates about the roadmap and other net zero initiatives ANZ@ukgbc.org





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UK Government Perspective

Will Hall
Head of Buildings and Industry for COP26, BEIS



Panel Discussion



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Thank you!

Please fill in the evaluation form you are directed to after closing.

ANZ@UKGBC.org

