



Global Alliance
for Buildings and
Construction



COP27
SHARM EL-SHEIKH
EGYPT 2022

Buildings@COP27

Daily Blast - 14 November



Build4Tomorrow by making buildings resource banks
Join us at the **Buildings Pavilion (Blue Zone, Zone C, Area 5, lot n. 113)** or watch live [here!](#)



Throwbacks & Highlights

- [Click here to watch the recordings](#) of the events that took place at the Buildings Pavilion.
- [Download the 2022 Global Status Report for Buildings and Construction](#) (2022 Buildings-GSR)
- Discover all **buildings-related events** at COP27 via our [online calendar](#) or the [BuildingToCOP Coalition calendar](#).
- Check out our social media assets on [Buildings Pavilion Trello board](#).

Buildings and Construction roadmaps paving the way for building decarbonisation

9:00-10:30 EET | Buildings Pavilion auditorium

Lead organisation(s): GlobalABC

The banner features logos for COP27 SHARM EL-SHEKH EGYPT 2022, Global Alliance for Buildings and Construction, and UN environment programme. The main title is 'Buildings and construction roadmaps paving the way for building decarbonization'. Below the title, it lists the date 'Monday, 14 November 2022', time '9:00-10:30 EET', and location 'Buildings Pavilion (Blue Zone, Zone C, Area 5, Lot 113)'. A 'Join the conversation' box includes social media icons for Twitter and LinkedIn, and hashtags #BuildingsPavilion, #Build4Tomorrow, and #BuildingToCOP27. The bottom of the banner shows a white silhouette of a city skyline against an orange background.

In this **thematic session**, roadmaps for the decarbonization of buildings and construction sector are discussed in-depth. Their purpose is to give a long-term vision for the sector over a three-decade timeframe that would put it on track for full decarbonization by 2050 as outlined in the Marrakech Partnership for Global Climate Action Human Settlements - Climate Action Pathway. The session seeks to take stock of the work conducted on Buildings and Construction roadmaps, discuss their benefits and next steps towards their implementation.

Experts from governments – both from countries that have already undergone the roadmap process and others that are undertaking the effort – and organisations involved in the development of roadmaps will determine the current state of roadmap development and their strategy for implementation. The aim of the fireside chat is to discuss opportunities to share best practices on the development and use of the roadmaps and how these are/will be taken towards implementation. Speakers include:

- Jonathan Duwyn, Programme Officer, Buildings and Construction, GlobalABC/UNEP (*moderator*)
- Angélica Ospina, Technical Director, Colombia Green Building Council
- Clay Stranger, Managing Director, India Programme, RMI
- Melanie Slade, Senior Programme Manager, Energy Efficiency in Emerging

- Economies Programme, IEA
- Audrey Nugent, Director of Global Advocacy, WorldGBC
 - Dr Mahesh Rajasekar - Chair, Urban Resilience at NIUA, Ministry of Housing and Urban Affairs, India
 - Dr. Huai LI, Technical director of High Performance Building Research Center, IBEE CABR (ONLINE)

Watch live

Creating a Circular Built Environment: the Why and How

11:00-12:00 EET | Buildings Pavilion auditorium

Lead organisation(s): WorldGBC, WBCSD & ARUP

The transition to a sustainable built environment requires the use of a circular economy - which demands radical, meaningful transformation centered around designing out waste, enhancing product lifecycles, and changing consumption habits. There is the need for major innovation in materials, new regulation to make circular products, net zero buildings and choices cost competitive, investment in research and innovation, major transformation of design practices and construction materials and waste management. In this session, key industry leaders will discuss how they are driving business to take a systematic approach to achieve a sustainable built environment system a reality. Speakers include:

- Catriona Brady, Director of Strategy and Development, World Green Building Council (Moderator)
- Luca de Giovanetti, Senior Manager Built Environment, WBCSD (Moderator)
- Gonzalo Muñoz, Chairman of the board of TriCiclos
- Kristin Hughes, Director of the Global Plastic Action Partnership & Member of the Executive Committee, World Economic Forum
- Miranda Schnitger, Climate Lead, Ellen MacArthur Foundation
- Usha Iyer-Raniga, Co-lead, Sustainable Buildings and Construction, United Nations 10YFP
- Manuel de Araújo, Mayor of Quelimane, Mozambique
- Dr Matt Kennedy, Energy and Environmental Scientist and Engineer, ARUP
- Dr Magash Naidoo, Head, Circular Development, ICLEI
- Magali Anderson, Chief Sustainability and Innovation Officer, Holcim

Watch live

Carbon catchers: Buildings as resource banks

12:30-13:30 EET | Buildings Pavilion auditorium

Lead organisation(s): Stora Enso

Buildings as means of storing carbon and as materials banks for the future. Solutions for decarbonizing building sector already exist. This session focuses on aspects of embodied emissions and carbon storage, discussing buildings as resource banks both from carbon storage and circular economy perspective. Panelists will also explore digital means of enabling circularity in the built environment. Real life examples from value chain collaboration aiming for low carbon buildings. Speakers include:

- Johanna Pirinen, SVP Head of Sustainability, Stora Enso Wood Products (in-

- person)
- Marianne Tikkanen, Head of carbon crediting program, Puro Earth (in-person)
 - Balsam Nehme, Head of Sustainability, Dar (virtual)
 - Yuuko Iizuka, Executive Officer Sustainability, Sumitomo Forestry (virtual)

Watch live

Solar Impulse Foundation daily pitch - Solutions for the built environment

13:45-14:00 EET | Buildings Pavilion social space

Lead organisation(s): Solar Impulse Foundation

The **live pitching sessions** on solutions for the built environment will take place on 9, 10, 11 and 14 November, in the Buildings Pavilion social space. Each session will last 15 minutes and will be comprised of 3 different pitches of 3 minutes, leaving time for an interactive Q&A with the audience.

The innovations pitched will touch upon thematic areas such as decarbonizing buildings materials throughout their life cycle; Optimising energy consumption and buildings management systems; Optimising design and construction methods to save resources.

Drop by the Buildings Pavilion

Reducing Embodied Carbon through Retrofitting

14:00-15:00 EET | Buildings Pavilion auditorium

Lead organisation(s): Build Change



Build Change at COP27
Sharm el Sheikh, Egypt

Going Retro for Net Zero: How Housing Retrofits Save Embodied Carbon

Monday, Nov. 14, 14:00-15:00, Buildings Pavilion (Blue Zone)

Featuring the following speakers:

			
Lori Ferriss Goody Clancy	Lizzie Collins Build Change	Ximena Rico Salazar Autodesk LATAM	Audrey Nugent World Green Building Council



While structural retrofits have clear benefits to improving the resilience of buildings, in particular in climate-vulnerable communities, how does it affect the global goal to reach net zero? In this **session**, Build Change will discuss the findings of a recent set of case studies conducted in the Global South.

With inputs from additional partners from across the carbon reductions and sustainability sectors, this session will discuss how these case studies factor into broader net zero goals. As projections for new construction estimate about half of building-related emissions from now until 2050 will be from upfront embodied carbon, structural housing retrofits housing may be a decarbonization solution in hiding, with the potential to accelerate the race to zero and simultaneously build global resilience. Speakers include:

- Lori Ferriss, Principal & Director of Sustainability and Climate Action, Goody Clancy
- Ximena Rico, Government Affairs Lead, Autodesk LATAM
- Lizzie Collins, Vice President of Engineering, Build Change
- Audrey Nugent, Director of Advocacy, World Green Building Council
- Monica Schroeder, Director of Global Advocacy, Build Change (*moderator*)

Watch live

The Power of Partnerships to Decarbonize Industries

15:30-16:30 EET | Buildings Pavilion auditorium

Lead organisation(s): Autodesk

The need to reduce carbon to combat climate change isn't new. But firms are stepping up in new, bold ways to address it. Decarbonization and addressing embodied carbon emissions are easier than ever before. Learn more about how strategies, techniques, and technologies can bring sustainability to the forefront of a design from the very beginning, and even for an existing asset. The **discussion** will include these concepts: Measuring and managing embodied and operational carbon; The power of global partnership to decarbonize the industry; De-risking low carbon innovations; Impacting Source 1, 2 and 3 emissions; Water management. Speakers include:

- Ellen Stofan, Undersecretary for Science and Research, Smithsonian
- Lisa Richmond, Senior Fellow, Architecture 2030
- Roland Hunziker, Director, Built Environment, WBCSD
- Rama Dunayevich, Global Impact Partnership Lead, Autodesk (*moderator*)

Watch live

Scaling Decarbonization and Adaptation: How Policy Engages Markets in Transforming Buildings

17:00-18:00 EET | Buildings Pavilion auditorium

Lead organisation(s): U.S. Green Building Council

Policy and government action are key to accelerating implementation of solutions to advance decarbonization, sustainability, and resilience as integrated outcomes. This

advance decarbonization, sustainability, and resilience as integrated outcomes. This **session** will highlight strategies being deployed by leading Governors to scale change in the building sector, including policies and programs to support clean construction as well as reduce carbon from operating buildings. Representing state governments from several regions, these leaders will share how buildings policies, workforce development, and market adoption of buildings strategies are all necessary elements to drive an unprecedented cycle of action in this decade. Speakers include:

- Jay Inslee, Governor of Washington
- Rodrigo Garcia, Governor of São Paulo (TBC)

Watch live

Paths for A Sustainable Built Environment in Africa

18:30-19:30 EET | Buildings Pavilion auditorium

Lead organisation(s): SALÛS Global for Green Buildings and Sustainable Cities

This **session** will discuss how the African construction sector is a proactive actor of sustainable transition, and how all stakeholders are aligning their international strategies towards a sustainable manufacturing of construction materials. Companies across the African continent will join to share views on their challenges and the solutions they have in place towards a fast-paced sustainable industrial transition. The African continent will generate the highest demand for private and public buildings and infrastructure in the coming years. Speakers include:

- Ehab Shalaby, CEO and Chairman, DCarbon Egypt (moderator)
- Mr. Emmanuel Normant, VP Sustainable Development, Saint-Gobain
- Mr. Anup Jagwani, Global Manager, Climate Finance and Policy, IFC
- Eng. Amira Ayoub, Head of MENA Programmes, World Green Building Council
- TBC, Architecture2030
- Mr. Winston Beck, Head of Government Affairs, Heidelberg Materials (TBC)

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