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!
Buildings and Construction roadmaps paving the way for building decarbonisation

9:00-10:30 EET | Buildings Pavilion auditorium
Lead organisation(s): GlobalABC

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)

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

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-
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 thematical 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.
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)

**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)

**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 Paolo (TBC)

Watch live

**Paths for A Sustainable Built Environment in Africa**

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

**Lead organisation(s): SALÚS 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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