



Circular Economy Solutions Dialogues (CESD) 2022

The circular economy imperative - What is at stake for cities?

Deep Dive Webinar:

Circular Solutions for the Urban Built Environment

Construction & Demolition Waste and the role of Digitalization

Wednesday, 8 June 2022 | 12:30 - 14:30 CEST

The CESD Deep Dive Webinar is part of the Circular Economy Solutions Dialogues (CESD) series, an initiative launched by the [Deutsche Gesellschaft für Internationale Zusammenarbeit \(GIZ\) GmbH](#) in cooperation with the [Global Solutions Initiative \(GSI\)](#).

Urban areas are at the center of the sustainability agenda. Half of the world population lives in cities today, which makes them vital environments for economic growth. At the same time, it has been reported that cities account for between 60 per cent of resources used and 70 per cent of global carbon emission (UN, 2022). Hence, they have a major role to play in paving the road to sustainable development and implementing the circular economy. Cities can be seen as laboratories where innovative approaches can be tested, and the biodiversity-energy-food-water-climate nexus can be implemented with a circular perspective.

Urban built environment circular approaches to counter the negative impacts of rapid urbanization are gaining traction, but implementation is slow. The deep dive webinar aims to explore a number of critical questions:

- What are key factors to achieve circularity in the urban built environment?
- How can circular procurement effectively integrate bio-based solutions?
- How can reverse logistics and resource recovery in the construction and demolition waste sector be implemented?
- To what extent can Nature-Based-Solutions and Circular Solutions embed and make use of Construction & Demolition resources?
- In what ways could construction waste be prevented or reduced?
- What are the main challenges to introduce more circularity to the Construction and Demolition Waste sector? What are the differences, in terms of diverse materials or urban settings?
- How can digital tools improve and enable Construction and Demolition Waste collection?

The CESD Deep Dive webinar seeks to explore the current state of circularity in the urban built environment and the potential of circular solutions and innovative approaches for implementing circular material flows at the urban level with a focus on Construction and Demolition Waste (CDW) and Nature-Based Solutions (NBS) while exploring the concomitant cross-cutting theme of digitalization.

Key experts from various national and international networks will give their inputs, taking multi-disciplinary angles to the topic.

Registration and participation are open to the public and is especially relevant for practitioners from the industry.

For questions, please contact Katharina Lange (katharina.lange@giz.de).



AGENDA

12:30 - 13:00 Welcome to the Program and Opening Remarks

- Dr. Holger Kuhle, Policy Advisor (GIZ GmbH, Germany)

Setting the Scene: Perspectives on Construction & Demolition Waste

What are the main challenges to introduce more circularity to the C&D Waste sector? What are the differences, in terms of diverse materials or urban settings?

- Kai Hofmann, Project Director - Scaling Sustainable Consumption and Production (Scaling SCP) in Thailand, Malaysia, Indonesia, Philippines (GIZ GmbH, Thailand)
- Yame Nkgowe, Founder and Representative (Sustainable Cities Africa, African Circular Economy Network, Botswana)
- Jérémy Bourgault, PEEB Programme Officer - Energy Division (Agence Française de Développement - AFD, France)

13:00 – 13:05 Transition from Grey to Green: Analysing Circularity in the Urban Built Environment

- Kartikey Chaturvedi, Student (OP Jindal University, India)

13:05 - 14:20 #naturebasedsolutions #digitalization #resources #COP27 #G20 #supply

- **Nature Based Solutions, Urban Infrastructure and Circular Economy**
Edoardo Croci, Director of the Sustainable Urban Regeneration Lab and Professor of Practice (Bocconi University, Italy)

Ryan Bartlett, Director of Climate Resilience & Risk Management (WWF, USA)
- **C&D Waste Management in developing countries**
Daniel Rondinel-Oviedo, School of Architecture (McGill University, Peru / Canada)
- **Business Models and Digitalization**
Gabriela Prunier, Director of Private Sector Development and External Growth and Excom member (Suez Consulting Engineering, France)

14:20 - 14:30 Discussion and Q&A Participant feedback

Closing