



Webinar series on Resource Efficiency

Background

On behalf of the German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU) and under the International Climate Initiative (IKI), the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) commissioned a **three-part online webinar series** (June to September 2020) to support the sharing of the latest knowledge, tools and good practices around the broader topic of resource-efficient, climate-resilient infrastructure. The discussion series focused on the challenges and opportunities for small and medium-sized enterprises (SMEs) in emerging and developing economies.

The discussion series on resource efficiency was organized via the **Green Industry Platform** of the Green Growth Knowledge Partnership (GGKP), the largest global network of experts and organizations dedicated to providing the policy, business, and finance communities with knowledge, guidance, data, and tools required to transition to an inclusive green economy. The GGKP is a joint endeavour by the Global Green Growth Institute, the OECD, UNEP, UNIDO, and the World Bank.

- ▶ Webinar 1 - Building resilient supply chains through resource efficiency
- ▶ Webinar 2 - Exploring the future of green buildings and construction
- ▶ Webinar 3 - Rebuilding Better: New materials and systems for resource efficient SMEs

Webinar 1

Building resilient supply chains through resource efficiency

Experts discussed how to build resilient supply chains through resource efficiency:

Guiding questions:

- ▶ How can resource efficiency support business recovery from COVID-19?
- ▶ What support services do SMEs along the supply chain need to implement resource efficiency measures? Do these services exist? How can they be accessed?
- ▶ How can industry and policy maker collaboration ensure that post-COVID-19 resource efficiency measures are adapted to supply chain needs?
- ▶ How can multinationals support their supply chains to become more resource efficient as they build back better?

Speakers



Published by



On behalf of:



Federal Ministry for the Environment, Nature Conservation and Nuclear Safety

INTERNATIONAL CLIMATE INITIATIVE (IKI)



of the Federal Republic of Germany

1 **Michael Funcke-Bartz**, Senior Advisor, Climate Change and Environmental Policy, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

2 **Vikas Goswami**, Head, Consulting at Boundless Environment Resource Solutions Pvt. Ltd.

3 **Mariana Heinrich**, Director, Energy, World Business Council for Sustainable Development (WBCSD)

4 **Claire Lund**, Head, Environmental Sustainability at GlaxoSmithKline (GSK)

5 **Luis Muñoz**, Regional Executive, Latin America and Caribbean Regional Chapter, Network for Resource Efficient and Cleaner Production (RECPnet)

6 Moderated by **Stephan Sicars**, Director, Department of Environment, United Nations Industrial Development Organization (UNIDO)

Key messages:

“ There’s going to be a post-COVID world that looks at the supply chain differently: How do we partner? How do we become a bit more agile? What are we going to do to be part of the supporting networks and frameworks that will help that continue? And this isn’t just an intervention that disappears after a bit of time. *Claire Lund, Head, Environmental Sustainability, GlaxoSmithKline (GSK)*

“ It is necessary to approach companies with a more holistic approach, where one really looks at the constraints that are blocking these companies from being more profitable and productive and helps them raise the money they need for later investment and also in resource efficiency issues. *Michael Funcke-Bartz, Senior Advisor, GIZ*

“ Companies of any size, either big multinationals or big, small and medium sized enterprises, really need to look at what is the best practice today in sourcing materials, energy, water, and how to use waste. That means they need to look and define their energy- or resource-related financial and environmental objectives and then set out a clear roadmap of how to achieve that. That includes defining your role as a company within your value chain; seeing what opportunities you have to influence your customers and your suppliers. *Mariana Heinrich, Director, Energy, World Business Council for Sustainable Development (WBCSD)*

Recording link: https://youtu.be/wmIewwt_Xzw

Weblink: GGKP Webinar - Sustainability After COVID-19: Building resilient supply chains through resource efficiency

Webinar 2

Exploring the future of green buildings and construction

Experts discussed how resource efficiency guides and supports the future of sustainable buildings and construction:

Guiding questions:

- ▶ Why are COVID-19 stimulus packages important for a green transformation of the construction sector?
- ▶ How can COVID-19 stimulus packages balance between building new and improving the old?
- ▶ What role should material efficiency play in post-COVID construction projects?
- ▶ How can industry and government work together to improve sustainability along construction supply chains?

Speakers

1 **Victoria Burrows**, Director, Advancing Net Zero, World Green Building Council

2 **Maxine Jordan**, Energy Efficiency & Buildings, International Energy Agency (IEA)

3 **Lena Hök**, Senior Vice President, Sustainability, Skanska

4 **Kerry Max**, Deputy Director, Climate Finance Governance, Global Affairs Canada

5 **Marcene Mitchell**, Senior Manager, Climate Business and Strategy, International Finance Corporation (IFC)

6 Moderated by **Martina Otto**, Head, Cities Unit, United Nations Environment Programme (UNEP)



Recording link: <https://youtu.be/hj55TtAphKs>

Weblink: GGKP Webinar - Sustainability after COVID-19: Exploring the future of green buildings and construction

Key messages:

“ The business case is there. How do we do it? Who needs to be on board? The private sector needs clear definitions of what it needs to build green. The government can indicate that through labelling, regulation and green codes. Emerging countries do not have always the capacity to regulate and enforce...other approaches are also needed in such circumstances, such as incentivizing. We need to make the case for investors, developers, contractors. The business case is there, we need to educate. *Marcene Mitchell, Senior Manager, Climate Business and Strategy, International Finance Corporation (IFC)*

“ Market demand will help driving the new versus the old. However, one industry can turn here into a key driver, the insurance industry. This industry is hit hard with climate-related claims. They can develop incentive packages, e.g. through premium discounts, that can drive the refurbing and upgrading of a lot of infrastructure. *Kerry Max, Deputy Director, Climate Finance Governance, Global Affairs Canada*

“ Increasing the building lifespan is an important approach. Retrofits is a way to

go here. You can maximize the performance of existing buildings through renovation. But we really have to start with using less materials and resources. The whole life-cycle of a building needs to be taken into account. It is tricky for the various actors along the value chain, but everyone needs to be responsible. The risk of inactivity is even worse. *Victoria Burrows, Director, Advancing Net Zero, World Green Building Council*

“ We need to recognize where the construction industry is right now. This is a tight industry, with slow margins. Given this, the industry is often quite resistant. Particularly SMEs in the construction sector have thin margins and they are concerned when costs are added. Governments need clear definitions and narratives of what they mean when they talk about greening buildings. The industry needs to see the business case of it. Right now, many think that it costs 30% more to build green. But this is not true, and we need to educate them and correct this.” *Marcene Mitchell, Senior Manager, Climate Business and Strategy, International Finance Corporation (IFC)*

Webinar 3

Rebuilding Better: New materials and systems for resource efficient SMEs

Experts discussed the latest innovations in materials efficiency and digitalisation strategies for SMEs:

Guiding questions:

- ▶ What are the most promising sustainable materials in different sectors?
- ▶ How can innovations in design and manufacturing reduce material needs?
- ▶ How can digital technologies help SMEs become resource efficient with minimal investment?
- ▶ How can research–industry collaboration and cross–border information sharing accelerate the development of sustainable methods and materials?

Speakers

- 1 **Lewis Akenji**, Executive Director, Executive Director, SEED
- 2 **Joanna Bingham**, CEO, Footprints Africa; Ghana Chapter Lead, African Circular Economy Network
- 3 **Katharina Koschek**, Head, Department of Polymeric Materials and Mechanical Engineering, Fraunhofer Institute (IFAM)
- 4 **Bettina Heller**, Associate Programme Officer, Consumption and Production Unit, United Nations Environment Programme (UNEP)
- 5 **Lakshmi Poti**, Senior Programme Manager, Materials, Laudes Foundation
- 6 Moderated by **Martin Vogt**, Managing Director, VDI Centre for Resource Efficiency (VDI ZRE)

Key messages:

“ A topic in research now is looking at biomass-based materials, and not any more fossil fuel-based materials. Another big research topic is the issue of stable materials, which tend to be more difficult to recycle. Challenges consist of convincing producers and end-consumers of accepting new material types for production processes and end-consumption.

“ There are national and international projects on-going related to the centralization of material data. SMEs usually cannot always afford to generate own data or doing LCAs. Such new material data bases can help making this data accessible to SMEs. They are like data shops.

Katharina Koschek, Head of Department, Polymeric Materials and Mechanical Engineering, Fraunhofer Institute (IFAM)

“ New and innovative materials only make sense when society can cope with their use from a social and environmental perspective.

Lewis Akenji, Executive Director, SEED

“ What matters most when it comes to materials is how we use them. And using materials as long as possible is key.

Bettina Heller, Associate Programme Officer, Consumption and Production Unit, United Nations Environment Programme (UNEP)



Recording link: <https://youtu.be/5lsRrCe3488>

Weblink: GGKP Webinar - Rebuilding Better: New materials and systems for resource efficient SMEs

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