

RACE TO ZERO EMISSIONS

HOW TO DECARBONIZE THE HEATING AND BUILDING SECTOR

ONLINE
CONFERENCE

18 MARCH 2021



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AM THE PROGRAM

10:00 **Welcome**

David Wortmann, Managing Director, Berlin-Brandenburg Energy Network and Doreen Rietentiet, Co-Founder, DWR eco

Christian Rickerts, Permanent Secretary, Senate for Economics, Energy and Public Enterprises

10:10 **Keynote I : Mapping out Carbon Mitigation Strategies in the building and heating sector – How can the sector contribute to reaching Net Zero Emissions?**

Lea Ranalder, Project Manager & Analyst, Renewable Energy Policy Network for the 21st Century (REN21)

**Block I: Deep Dive Building Sector (Focus Building Design & Construction Phase)
Setting the stage for the heating transition by increasing the energy efficiency of existing and new buildings**

10:25 **Roundtable I - Key measures to decrease the carbon intensity of the building envelope**

Ida Karlsson, Department of Space, Earth and Environment, Chalmers University of Technology
Designing and constructing climate-neutral buildings - Materials, transport and construction activities

Dr. Anna Braune, Director Research and Development, German Sustainable Building Council
The upcoming sustainable finance criteria of the EU to drive investments for climate protection: Results of a market-readiness study

Dr. Stephen Richardson, Director, Europe Regional Network, World Green Building Council
Increasing the energy efficiency of the existing building stock - How to come by the issue of lagging renovation rates

Moderator: Doreen Rietentiet, Co-Founder, DWR eco
Moderated discussion

11:00 **Solutions I - Solutions to decrease the carbon intensity of the building envelope**

Anthony Abbotts, Director Group Sustainability, ROCKWOOL Group
Decarbonisation in the lifecycle – the perspective of thermal insulation

Johanna Kairi, Business Development Manager, Central Europe, Stora Enso
Climate-neutral construction materials as the solution for decarbonization of cities

Emanuel Heisenberg, CEO, EcoWorks GmbH
Unleashing the full decarbonization potential of buildings - A life-cycle based approach to energy efficiency

Moderator: David Wortmann, Managing Director, Berlin-Brandenburg Energy Network

11:30

Short break | Video films by Berlin Partner for Business and Technology

11:35

Break-Out Sessions

Session I:

Service Point for Energy District Development

Mechthild Zumbusch, Head of Consulting, Berlin Energy Agency (BEA)

Opportunities and challenges of climate-neutral neighbourhoods

Susanne Schmelcher, Teamleader Integrated Districts and Urban Heat Systems, Germany Energy Agency (dena)

Moderator: Anna Brüning-Pfeiffer, Consultant, Berlin Energy Agency

Interactive Q&A & discussion

Session II:

Case Study Building-integrated Photovoltaics – challenges and opportunities for solar-active building skins

Samira Aden, Architect, BIPV Consultancy office BAIP, Helmholtz-Zentrum Berlin

Moderator: Björn Rau, Head of BIPV consultancy office BAIP, Helmholtz-Zentrum Berlin

Interactive Q&A & discussion

Session III:

Open data for energy transition: Berlin's energy atlas & new solar calculator

Katharina Goergens, Policy Advisor, Division for Policy Matters, Senate Department for Economics, Energy and Public Enterprises

Alexander Palantöken, Policy Advisor, Division for Renewable Energies, Senate Department for Economics, Energy and Public Enterprises

Interactive Q&A & discussion

PM

12:00

Lunch time & Online networking session

II. Deep Dive Heating Systems (Operational Phase of Buildings)

Rolling out Low-Carbon Heating systems Potential pathways to decarbonize residential and industrial heat demand

01:00

Roundtable II - The climate impact of grid-based and individual, decentralized low-carbon heating pathways

Gerhard Stryi-Hipp, Head of Group »Smart Cities« at Fraunhofer ISE

Importance of Electrification of the Heat Sector for achieving a climate-neutral energy system

Pauline Lucas, Policy Officer, Euroheat & Power

District Heating Networks as a Means for Leveraging the Uptake of Renewable Heating Sources, an EU policy perspective

Moderator: Doreen Rientiet, Co-Founder, DWR eco

Moderated discussion

01:35

Solutions II - Grid-based, individual, decentralized low-carbon heating solutions

Robert Winsloe, President Of Business Development, Eavor Technologies

Geothermal Energy - How can we move away from mostly fossil-fuelled heating district networks to renewable-based networks?

Marcus Kanewoff, CEO and partner Free Energy Innovation AS

PV & Heat Pumps: Opportunities and bottlenecks of large-scale deployment

Vaitea Cowan, Co-Founder, Enapter AG

Green Gases - Will green hydrogen make its way into the heating sector?

Moderator: David Wortmann, Managing Director, Berlin-Brandenburg Energy Network

02:05 **Short break** | Video films by Berlin Partner for Business and Technology

02:10 **Break-Out Sessions**

Session IV:

Decarbonization strategies for the heating sector in Berlin

Dr. Elisa Dunkelberg, Project Manager Urban Heat Shift, Institute for Ecological Economy Research (IÖW)

Interactive Q&A & discussion

Session V:

Solar in Berlin: great potential for the urban energy transition

Philine Wedell, Head of Division for Renewable Energies, Senate Department for Economics, Energy and Public Enterprises

Andrea Hötzeltdt, Head of Coordination Office Masterplan Solarcity Berlin, Senate Department for Economics, Energy and Public Enterprises

Moderator: Laura Kohler, Managing Director, Sharkbite Innovation GmbH

Interactive Q&A & discussion

02:35 **Synopsis of the Day: Takeways from Urban Energy Forum 2021**

Summary of key takeways from Block I & II

02:45 **Keynote II : Smart Buildings in a Zero Carbon World**

Ann Rosenberg, SVP for Sustainable Development at Wood plc

03:00 **Closing remarks by Berlin-Brandenburg Energy Network**

David Wortmann, Managing Director, Berlin-Brandenburg Energy Network

03:15 **Online networking session**

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We are looking forward to seeing you!