

# 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**  
Designing and constructing energy-efficient buildings (new buildings) : The role of climate-neutral construction materials

**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

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

Video films by Berlin Partner for Business and Technology

## 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

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

03:30 Conference close

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We are looking forward to seeing you!