

Decarbonising Energy Use in European Buildings

*the technical, financial, and
social drivers and barriers*

29 March 2023, 10:00 - 15:00
L42 Business Centre, Rue de la Loi 42,
1040 Bruxelles, Belgium



Buildings account for more than 40% of the final energy consumption in Europe, most of which is still supplied by fossil fuels. Phasing out fossil fuel use in buildings can help address many of Europe's most pressing challenges including climate change, air pollution and dependency on imported fuels.

However, achieving this future requires the rapid upscaling of impactful, energy-efficient solutions. Feasible solutions addressing the technological, market and social aspects of the challenge exist, such as those developed during the RES4BUILD project, but much more needs to be done.

The workshop will bring together research, industry, policymakers, and end users to help identify the developments and conditions that are needed to accelerate this decarbonisation and meet EU policy objectives. The agenda will follow three key themes:

- Latest technological solutions and innovations to enable the delivery of EU policy objectives.
- Addressing drivers and barriers to develop realistic recommendations for market and regulatory conditions to accelerate the transition.
- Interactive session on end-user perspectives to better implement these changes.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 814865 (RES4BUILD). This output reflects only the author's view. The European Climate, Infrastructure and Environment Executive Agency (CINEA) and the European Commission cannot be held responsible for any use that may be made of the information contained therein.

Agenda, 29 March 2023

10:00	Welcome and Introduction <i>Michael Papapetrou (WIP-Renewable Energies)</i>
Technological Innovations	
10:10	Invited speakers give a brief overview of latest developments/future perspectives on technological solutions to decarbonise energy used in European buildings. <i>Moderator: John Burgess (Arup)</i> <i>Panellists: Charles-Andre Lemarie (CINEA), George Kosmadakis (NCSR), Sandro Iacovella (Thermovault), João Gomes (MG Sustainable Engineering), Andrzej Szajner (BAPE)</i>
10:40	Moderated panel discussion to identify areas of technological developments that should take priority to help enable the delivery of EU policy objectives.
11:20	Coffee Break
Market and Regulatory Aspects	
11:50	Invited speakers give brief introductions addressing market and regulatory drivers and barriers to the decarbonisation of the energy used in European buildings. <i>Moderator: Quentin de Hulst (European Copper Institute, ECI)</i> <i>Panellists: Piero de Bonis (EC DG RTD), Thomas Nowak (EHPA), Andres Pinto-Bello (smartEN), Eoin Kelly (European Consumer Association, BEUC), Remke Palsma (Cities of Northern Netherlands)</i>
12:20	Moderated panel discussion to identify realistic recommendations for adaptations of market and regulatory conditions that will help to accelerate the transition.
13:00	Lunch and Networking
End-user Perspectives: From Innovations and Regulation to Business Models	
14:00	The audience will work in small groups led by Arup designers. They will apply the presented technologies and analyzed markets to provide an integral solution to specific EU-customer segments. Through this session, each participant will understand the need for technologic development, required policy tools and desired regulatory developments.
14:50	Final remarks
15:00	Close and Networking

