



2050



Heat Roadmap Europe

A low-carbon heating and cooling strategy

Tools and methods for strategic analyses in heating and cooling: What is the state of the art and how to improve our tools?

Copenhagen, September 11, 2017

Objective and summary

In Europe, there is a clear long-term objective to decarbonise the energy system, but it is currently unclear how this will be achieved in the heating and cooling sector. A huge variety of tools and methods is currently applied to support the transition and develop efficient strategies and policies. The Heat Roadmap Europe project and the Strategic Research Centre for 4th Generation District Heating Technologies (www.4dh.eu) both aims to provide new capacity and skills for lead-users in the heating and cooling sector by developing the data, tools, methodologies, and results necessary to manage the transition of the sector.

This workshop intends to bring together experts on heating and cooling system analyses from various ongoing (EU and beyond) H2020 research and innovations projects to exchange about experiences, lessons learned and ways forward with regard to heating and cooling focused energy system analyses. The workshop aims at both: getting a better understanding of today's state of the art as well as identifying promising ways forward to improve existing tools and methods.

The scope includes assessments for individual cities or districts as well as country- or EU wide studies. It comprises sector specific and system-wide approaches, bottom-up as well as top-down studies, etc.

Registration necessary to HRE4@isi.fraunhofer.de before September 6, 2017 due to limited space available.

Agenda

13:00 Arrival with coffee and tea

13:30 Introduction to the workshop (Tobias Fleiter)

13:40 The Heat Roadmap Europe project (Brian Vad Mathiesen)

13:50 Discussion of tools and method

13:50 Plenum: Tools and methods applied in H/C projects and teaser for group discussion

1. Hot Maps: **What are the user needs?**
(Jørgen Lindgaard Olesen)
2. PLANHEAT: **Mapping waste heat at urban level**
(Stefano Barberis)
3. PLANHEAT: **How can we map heating and cooling?**
(Erwin Cornelis)
4. progRESsHEAT: **Integrated modelling of heat savings and heat supply**
(Stefan Petrovic)
5. Heat Roadmap Europe: **H&C in energy systems modeling**
(Brian vad Matthiesen)

14:20 Break out groups: Discussion on 5 individual topics

15:00 Plenum: Summary of conclusions and suggestions for ways forward to improve tools and methods

15:30 End of workshop and networking coffee

Follow-up event: 16:00-18:00 Navigating the transition to renewable heating and cooling in Europe (seperate registration necessary: see www.progressheat.eu)

Venue: Building C, Frederiksholms Kanal 30, Copenhagen K, DK-1220

Please register by September 6 at HRE4@isi.fraunhofer.de

