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# Heat Roadmap Europe

A low-carbon heating and cooling strategy

## Flagship Research on Modelling for Unlocking the Decarbonising Potential in Heating and Cooling



**Date:** Friday 16 March 2018 - 8.45 - 14.00  
**Venue:** [NEMO Science Museum](#), Oosterdok 2,  
1011 VX Amsterdam, the Netherlands

*Energy transition and heating and cooling systems are at the centre of energy policy-making at European and local government levels. The EU Heating and Cooling Strategy is the first EU initiative addressing the energy used for heating and cooling in buildings and industry. By making the sector smarter, more efficient and sustainable, energy imports and dependency will fall, costs will be cut and emissions will be reduced. At the local level, Smart City concepts have accelerated this trend and provide practical findings to evaluate new thermal solutions for low-carbon infrastructures and services.*

*In this workshop, scenario building and energy system analysis will be presented to provide scientific evidence for different decarbonisation pathways in Europe. For each of the 14 EU countries participating in HRE, scenario building helps understanding the role of energy technologies as well as the costs and benefits for the EU energy system under different sets of specific assumptions.*

*This event will inspire those who want to include integrated heating and cooling systems in their energy transition plans by providing state-of-the-art planning tools, solutions and insights.*



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 695989.

# FINAL AGENDA

08.45	<b>Registration</b>
09:00	<b>Welcome</b> <i>Tjalling de Vries, Ministry of Economic Affairs, the Netherlands</i> <i>Brian Vad Mathiesen, HRE4 Coordinator, Aalborg University</i> <i>Stathis Peteves, Head of the Knowledge for the Energy Union Unit, Joint Research Centre, European Commission</i>
09:15	<b>Keynote: Hot topics and cool findings of HRE for Europe and the Netherlands</b> <i>Susana Paardekooper, Aalborg University</i>
09:35	<b>The Fantastic Four of heating and cooling modelling in HRE4</b> <b>FORECAST - Tobias Fleiter, ISI Fraunhofer</b> <b>Cost Curves - Robert Harmsen, Utrecht University</b> <b>JRC-EU-TIMES - Wouter Nijs, Joint Research Centre, European Commission</b> <b>EnergyPLAN - Andrei David, Aalborg University</b>  <i>Reactions from public authorities and industry</i> <ul style="list-style-type: none"><li>• <b>Astrid Madsen, City of Rotterdam</b></li><li>• <b>Thomas Nowak, European Heat Pump Association EHPA</b></li></ul> 
10.40	<b>Scenario-building leading to fantastic, but feasible, policies</b> <i>Henrik Lund, Aalborg University</i>
11.00	<b>Coffee Break and Networking</b>
11.30	<b>Lively panel session and reactions from the audience:</b> Overcoming policy and technical challenges with practical solutions to unlock the decarbonisation potential for heating and cooling. <ul style="list-style-type: none"><li>• <b>Kai Lipsius, City of Essen, Germany</b></li><li>• <b>Tudor Drambarean, Municipality of Alba Iulia, Romania</b></li><li>• <b>Carsten Petersdorff, Urban Energy, Ecofys</b></li><li>• <b>Eva Hoos, DG ENER</b></li><li>• <b>Pär Dalin, President of Devcco, District Energy Venture, Sweden</b></li><li>• <b>Brian Vad Mathiesen, Aalborg University, Denmark</b></li></ul>



An interactive panel to consider the usefulness and validity of presented approaches (modelling, mapping and scenario-building) for crafting policy frameworks which enable decarbonisation. A discussion of practical solutions, insights and anecdotes from cities, regions and industries in the context of assumptions, data and political/technical challenges. A lively session with the panel and reactions from the audience, following the fishbowl method.

Facilitation: **Carsten Rothballer**, *Coordinator Climate and Energy, ICLEI Europe*

12:45

### **Reflections, take-aways and outlook**

**Tjalling de Vries**, *Ministry of Economic Affairs, the Netherlands*

**Brian Vad Mathiesen**, *HRE4 Coordinator, Aalborg University*

13:00-  
14:00

### **Networking with snacks and drinks**



Facilitation: **Kaat Van Orshoven**, *Joint Research Centre, European Commission*

**Register to this event, free of charge, by March 13<sup>st</sup> 2018 by [following this link](#).**

### **About Heat Roadmap Europe**

The [Heat Roadmap Europe 4](#) project contributes innovative mapping and modelling approaches of the heating and energy systems of the 14 largest users of heat in the EU, to develop new policies at local, national, and EU level to ensure the uptake of efficient, sustainable and affordable heating and cooling solutions. More information on the project at: [www.heatroadmap.eu](http://www.heatroadmap.eu)



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