



**Research-policy workshop on heat decarbonisation
Edinburgh Centre for Carbon Innovation
14 and 15 October 2019**

Scotland is setting a net zero greenhouse gas emissions target for 2045 and many other European countries have similarly stretching targets. In this context, greenhouse gas emissions from heating our buildings are likely to have to fall to near zero by mid-century.

Denmark has recently increased their CO₂ reduction target to 70 percent in 2030 compared to 1990, which makes it one of the most ambitious countries in the world. This requires the development of a new climate agreement with stronger demands for everyone to contribute to the green transition.

Drawing in applied lessons from recent research is essential for building the evidence base to underpin further ambition on decarbonising heating. This workshop will bring together academic and policy communities to consider policy-relevant lessons from recent research on heat decarbonisation for off gas-grid residential buildings.

The workshop will consider the deployment pathways and technology options available for decarbonisation of heat in buildings that are not currently gas-heated, as well as looking at scenario modelling, approaches to heat planning and the challenges of implementation at various scales.

Workshop aims:

- share knowledge and insight between policy makers and researchers
- to survey the existing research and evidence base on heat decarbonisation in off-gas homes
- identify policy-relevant research gaps
- shape a forward research agenda on heat decarbonisation that speaks to policy priorities

Programme

Day 1 Monday 14 October 2019	
12.30 – 13.00	Registration, networking lunch
13.00 – 13.15	Welcome and Chair’s introduction <ul style="list-style-type: none"> • Jan Webb, University of Edinburgh
13.15 – 13.45	Policy context <ul style="list-style-type: none"> • Gareth Fenney, Scottish Government (TBC) • Mathias Mikkelsen, Danish Energy Agency
13.45 – 15.00	Session 1: Scenario-focused research to support policy framing <ul style="list-style-type: none"> • Andrew Smith, University College London • Graeme Hawker, University of Strathclyde • Sarah Deasley, Frontier Economics





15.00 – 15.30	Break
15.30 – 17.00	Session 2: Heat planning at various scales <ul style="list-style-type: none"> • Faye Wade, University of Edinburgh • Meysam Qadrdan, Cardiff University • Stuart Galloway, University of Strathclyde • Hannah Marczinkowski, Aalborg University • Susana Paardekooper, Aalborg University
17.00 – 18.30	Session 3: Policy and governance <ul style="list-style-type: none"> • Rob Gross, Imperial College London • Veit Bürger, Öko-Institut • Kristian Borch, Technical University of Denmark • Nis Bertelsen, Aalborg University
19.00 arrival for 19.30	Dinner Blonde Restaurant, 75 St. Leonard's Street, EH8 9QR

Day 2	
Tuesday 15 October 2019	
9.00 – 9.30	Arrival, tea and coffee
9.30 – 9.45	Welcome and recap from Day 1
9.45 – 11.00	Session 4: Implementation challenges and solutions <ul style="list-style-type: none"> • Matthew Lipson, Energy Systems Catapult • Jan Webb, University of Edinburgh • Richard Lowes, University of Exeter • Louise Krog Jensen, Aalborg University
11.00 – 11.30	Break
11.30 – 12.30	Session 5: Planning a future research agenda Discussant: Gerard Davies, The Engineering and Physical Sciences Research Council
12.30 – 13.00	Concluding thoughts and next steps
13.00 – 13.30	Light networking lunch

The workshop will generate a report setting out key issues covered, and insights generated and a summary of the research agenda agreed upon.