

Challenges in pathways towards 100% renewable energy system

Session co-organised by Aalborg University, University College London and LUT University.

Agenda

Thursday 20 June 2019, 14.00 – 15.30

1. INTRODUCTION

Welcome and introduction to session's topic.

- ◆ Modelling Smart Energy Systems and the supply chain effects of Energy efficiency. What are the contributions of RE-INVEST and sEnergies projects – Brian Vad Mathiesen, Aalborg University

2. KEYNOTES

Differing approaches to transforming and decarbonising European energy systems.

- ◆ Understanding the technologies and policies for deep decarbonisation in Europe and integrated modelling of the pathways – Paul Ekins, University College London
- ◆ Modelling 100% Renewable Energy, Highlighting some sector coupling effects – Christian Breyer, LUT University

3. PITCH ROUND

Aspects of energy system modelling and showcase of tools used in the three projects.

- ◆ RE-INVEST project: Exploiting sector synergies and countries interconnections to decarbonise the energy systems – Marta Victoria, Aarhus University
- ◆ The role of energy mapping in modelling – Bernd Möller, Europa-Universität Flensburg
- ◆ Presentation of the online tools and decarbonisation pathways for INNPATHS – Paul Ekins, University College London

4. DISCUSSION

Discussion between panelists, questions from the audience and session conclusions.

- ◆ Reflections from Hans Van Steen, DG-ENER
- ◆ Panel discussion – Brian Vad Mathiesen, Paul Ekins, Christian Breyer and Hans Van Steen
- ◆ Q&A session moderated by Jakob Zinck Thellufsen, Aalborg University
- ◆ Wrap-up – Brian Vad Mathiesen, Aalborg University