

Workshop on integrated energy system models incorporating spatial and temporal detail

AGENDA

Date: 24 May 2016

Location: Room C615, Seminar Room, Centre for Process Systems Engineering, Imperial College London, Roderic Hill Building South Kensington Campus London, SW7 2AZ

09:00	Registration and coffee/tea
09:30	<ul style="list-style-type: none"> • Nilay Shah, Imperial College: opening remarks • Philip Sargent, DECC: How government uses energy models
10:00	<ul style="list-style-type: none"> • Sheila Samsatli, Imperial College: Modelling integrated multi-vector energy systems with a detailed account of transport and storage • Stefan Pfenninger, ETH Zurich: Impact of different methods to manage high temporal resolution and of time series data quality on energy system model results
11:00	Coffee/tea break
11:15	<ul style="list-style-type: none"> • Nagore Sabio, UCL: <i>Title TBC</i> • Amalia Pizarro-Alonso, DTU: Modelling biomass and waste use in future energy systems • Marianne Zeyringer, UCL: Robust pathways to reach high shares of variable renewable generation in the UK
12:45	Lunch
13:45	<ul style="list-style-type: none"> • Chris Dent, Amy Wilson and Michael Goldstein, Durham University: Uncertainty quantification in energy system planning models • Antonio Dominguez-Ramos, University of Cantabria: Renewable electricity integration at a regional level: Cantabria case • Ed Sharp, UCL: Gridded modelling of hourly wind generation and electricity demand under National Grid's future energy scenarios
15:15	Coffee/tea break
15:30	<ul style="list-style-type: none"> • Koen van Dam, Imperial College: Agent-based modelling of spatial and temporal energy and transport demands • Xiaonan Wang, Imperial College: Water and energy systems in sustainable city developments • Mark Barrett, UCL: Modelling a 100% renewable UK
17:00	Break
17:15	<ul style="list-style-type: none"> • Nouri Samsatli, Imperial College: Break-out session and discussion • Nilay Shah: Closing remarks
18:00	Drinks reception (Council Room, 170 Queen's Gate)
19:00	Dinner (Council Room, 170 Queen's Gate)