

wholeSEM Overview



- A ground breaking whole systems energy modelling consortium (wholeSEM)
 - www.wholesem.ac.uk
 - £5.7 million (FEC)
 - Four years: 1 July 2013 – 30 June 2017
 - Four universities: UCL, ICL, Cambridge, Surrey
- A new initiative to develop, integrate and apply state-of-the-art energy models.
 - Provide continuity of funding to develop new models, retain human capacity, and link modelling frameworks in innovative ways to answer new research questions
- The consortium will employ extensive integration mechanisms to link and apply interdisciplinary models to key energy policy problems
 - Substantive bilateral engagement with stakeholders in academia, government and industry.

wholeSEM-DECC stakeholder workshop

6th March 2014



- *Energy models provide essential quantitative insights into the 21st Century challenges of energy decarbonisation, security, equity, and cost-effectiveness*
- But...
 - Energy models are not truth machines. They are built, calibrated, run and interpreted by people (from various disciplinary backgrounds)
 - Different energy models (or combinations of models) answer different research questions
 - Policy makers require increasing levels of transparency, engagement and iterative feedback with models if they are to underpin policy
- Purpose of this workshop
 - To give a (very brief) overview of the wholeSEM consortium's models
 - For DECC to respond and discuss in terms of applicability to UK energy policy
- Outcomes
 - A brief workshop summary
 - Mechanisms for ongoing interactions with DECC