

UKERC

UK Energy Research Centre

The UK Energy Research Centre (UKERC) was set up in 2004. We are a flagship of the Research Councils UK Energy Programme, and carry out world-class, interdisciplinary research into sustainable future energy systems.

Addressing the big energy questions through interdisciplinary research.

Independent. Trusted. Evidence-based.

Informing government policies, research strategies and energy decision making.

Building vibrant networks and stakeholder communities across the academic, policy and industry sectors.

Improving connectivity and cohesion across the UK energy research community.

Stimulating new thinking and future research agendas

A gateway between the UK energy research community and international organisations.

Our experts, who range from engineers and modellers to natural scientists, psychologists and human geographers, are based in universities and institutions across the UK, and form a dynamic, interdisciplinary community able to address the great challenges we face as we move towards a decarbonised energy future from a range of disciplines and perspectives.

Our comprehensive research agenda makes us unique within the UK energy research landscape. We are a trusted and reliable source of expertise on some of the most contentious issues of the day – whether it's the potential impacts of UK shale, the costs of generating power, or public attitudes to energy futures.

UKERC researchers have helped us to better understand:

- How much fossil fuel may need to stay in the ground to avoid dangerous levels of climate change
- How the future costs of low carbon technologies like offshore wind could be reduced
- The potential role of gas as a bridge towards a low carbon energy future, including the implications for different global regions
- How people formulate their beliefs about climate change, and which information sources they trust
- What policies for improving household energy efficiency work best
- The values that govern whether people will accept, or reject, aspects of energy system transformation
- The conditions under which a UK gas industry would be compatible with broader policy goals
- The amount of global energy that could be produced from biomass without damaging food production

'The UK Energy Research Centre plays a central role in the energy research landscape and wider energy policy. By bringing together leading academics from across the UK, it provides independent, evidence-based research to inform decisions about our energy future'.

Professor Jim Watson
UKERC Research Director

UKERC combines a dynamic research programme focused on six core themes: **future energy system pathways; resources and routes to decarbonisation; energy systems at national and international scales; energy, economy and societal preferences; decision making; and technology and policy assessment** – with an HQ function committed to building a cohesive, interconnected community of energy stakeholders across the academic, industry and policy sectors.

The UKERC Network – working in partnership with key stakeholders and organisations to facilitate debate, dialogue and thought leadership via events, outreach activities and direct engagement – <http://www.ukerc.ac.uk/network.html>

The Energy Data Centre and Research Atlas – a focal point for current and past energy data about the UK energy research landscape – <http://www.ukerc.ac.uk/network/research-atlas.html>

International activities – UKERC is a focal point for UK energy research and a gateway between the UK and international energy research communities. We regularly meet with overseas delegations from government, academia and the private sector. We also represent the UK within the European Energy Research Alliance and collaborate with international research groups.



Find out about all our latest research, forthcoming events and engagement activities at: www.ukerc.ac.uk



“UKERC brings together unrivalled expertise in our academic institutions to address the energy challenges we will face today and into the future. It is an exceptional resource, providing informed and independent thinking, which is invaluable to Ministers, policy advisers, industry – and indeed to anyone who wants to understand the challenges we face and identify solutions to them”.

The Rt Hon Charles Hendry MP, Former Minister of State for Energy and Climate



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