Energy in CLES

Whole System Approaches for Smart, Flexible Energy Systems

Iain Soutar

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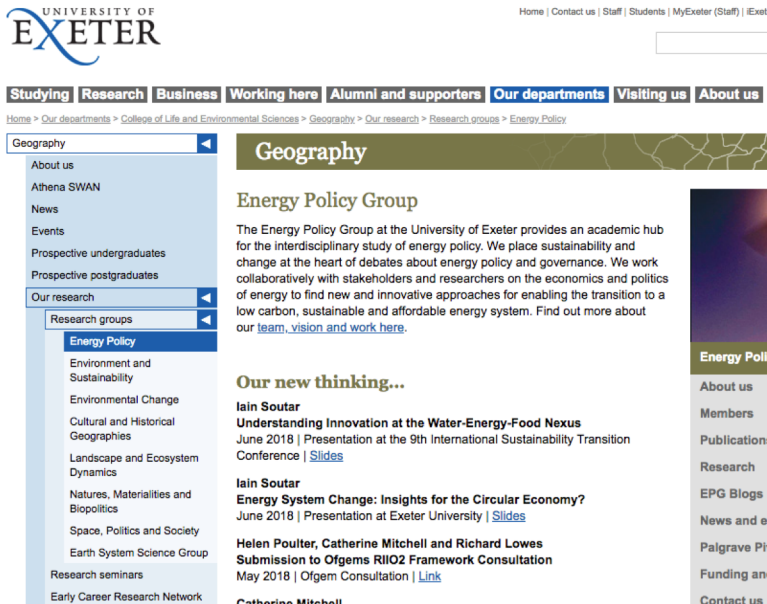
Who are we?

- 26 academics/researchers across
- Geography (21)
  - Environmental social science, political economy, STS, innovation etc.
- Biosciences (3)
  - Ecology of microbial species for biogas production
- Psychology (2)
  - Social psychology

The Energy Policy Group, University of Exeter

Key research themes

- Sustainable energy transformations
- Balancing policy objectives
- Innovation & inertia
- Politics, politics & governance
- Institutions, esp. markets and regulation
- The geography of energy

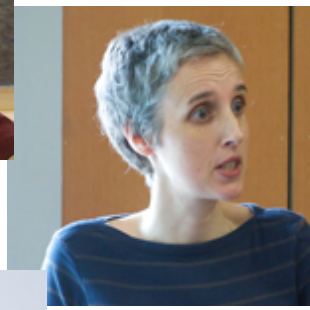


http://geography.exeter.ac.uk/research/groups/energypolicy/

@ExeterEPG

UNIVERSITY OF EXETER
Energy Policy Group

Geography in Streatham


Environment and Sustainability research group

- Prof Patrick Devine-Wright
- Dr Karen Bickerstaff
- Dr Catherine Butler
- Catherine Queen
- Celia Robbins

Research interests

- Policy, practice, people, place and landscape with regard energy infrastructure
- Social and psychological aspects of infrastructure siting
- Role of publics, state and institutions in affecting low carbon transitions
- Risk theory, science and technology studies & environmental justice

Wider geography

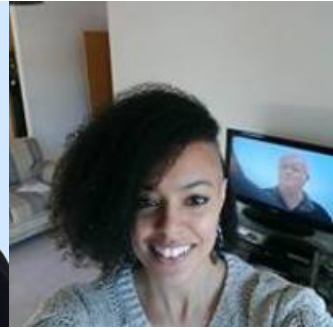
- Prof Jane Wills
  - Geography of democracy, community organizing
- Dr Rosie Robison (GSI)
  - Behaviour change and decision-making

Biosciences



- Prof Angus Buckling, Dr Pawel Sierocinski
  - Evolutionary biology
  - Ecology of microbial species used in biogas production
- Dr Matt Witt
  - Marine ecology
  - Ecological effects of marine renewable energies

Psychology



- Prof Mark Levine & Denise Wilkins
  - Social psychologists (Streatham)
- Household-Supplier Energy Market (HoSEM)
  - Collaboration with Bristol, EDF and Energy4All
  - Group participation in P2P markets: How do group identities affect trust and market participation?

Approaches & themes

Using ideas and approaches from social sciences

- Politics, psychology, economics, sociology

Impact across a range of actors at different scales from policy/industry/civil society

- Analysis of policy, politics and governance, regulation
- Understanding of energy system innovation
- Understanding of public engagement

Themes

- Governance, policy and politics
- People, communities and local energy
- Smart energy systems
- Sustainability of energy systems

Energy system change is increasingly hinging on rethinking

- Institutions within which individual and societal behaviours are constrained
- How actors/technologies engage with the public

Current projects in CLES

- Public attitudes to shale gas
- AURES2 (Auctions for Renewable Energy Support)
- CEFOW (Clean Energy from Ocean Waves)
- CLEM (Cornwall Local Energy Market)
- FutureGas
- HIT (Heat, Incumbency and Transformations)
- HoSEM (Household-Supplier Energy Market)
- ICE (Intelligent Community Energy)
- IGov 2 (Innovation and Governance for Future Energy Systems)
- MISTRAL – EU International Training Network on Social Acceptance of Renewable Energy
- SIM4NEXUS
- Stepping Up
- Understanding the Spatial and Temporal Dynamics of Public Attitudes and Community Responses to Shale Gas: an Integrated Approach