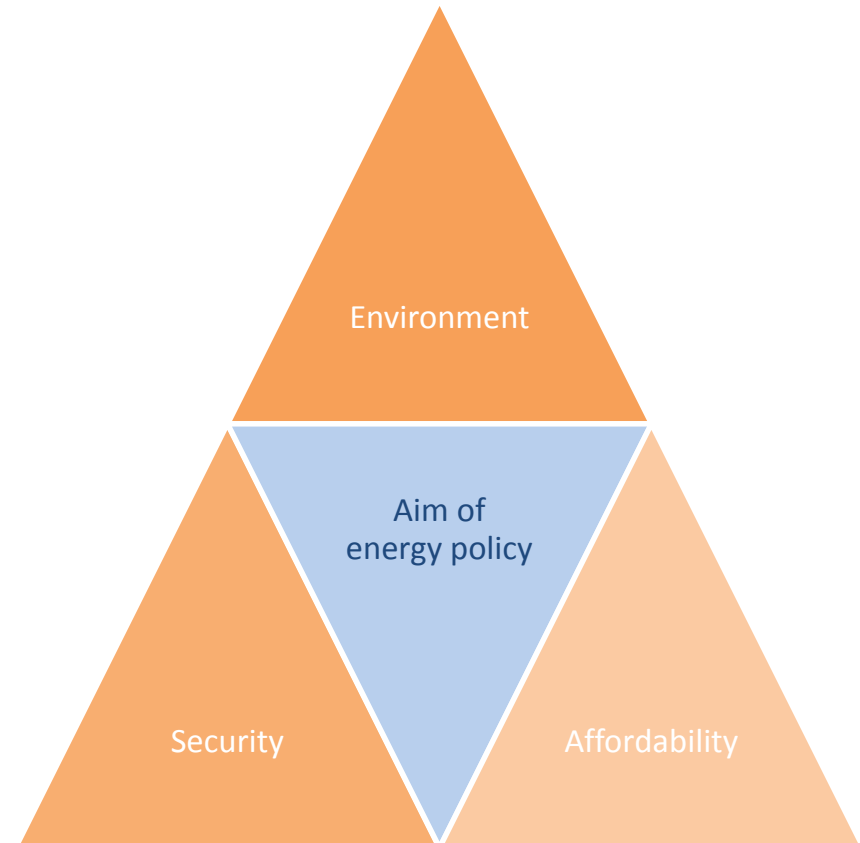


Energy Policy Group

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

Mission

*The Energy Policy Group (EPG) at the University of Exeter provides an academic hub for the **interdisciplinary** study of energy policy. We place **sustainability and change at the heart of debates about energy policy and governance**. We work collaboratively with stakeholders and researchers on the economics and politics of energy **to find new and innovative approaches for enabling the transition to a low carbon, sustainable and affordable energy system.***

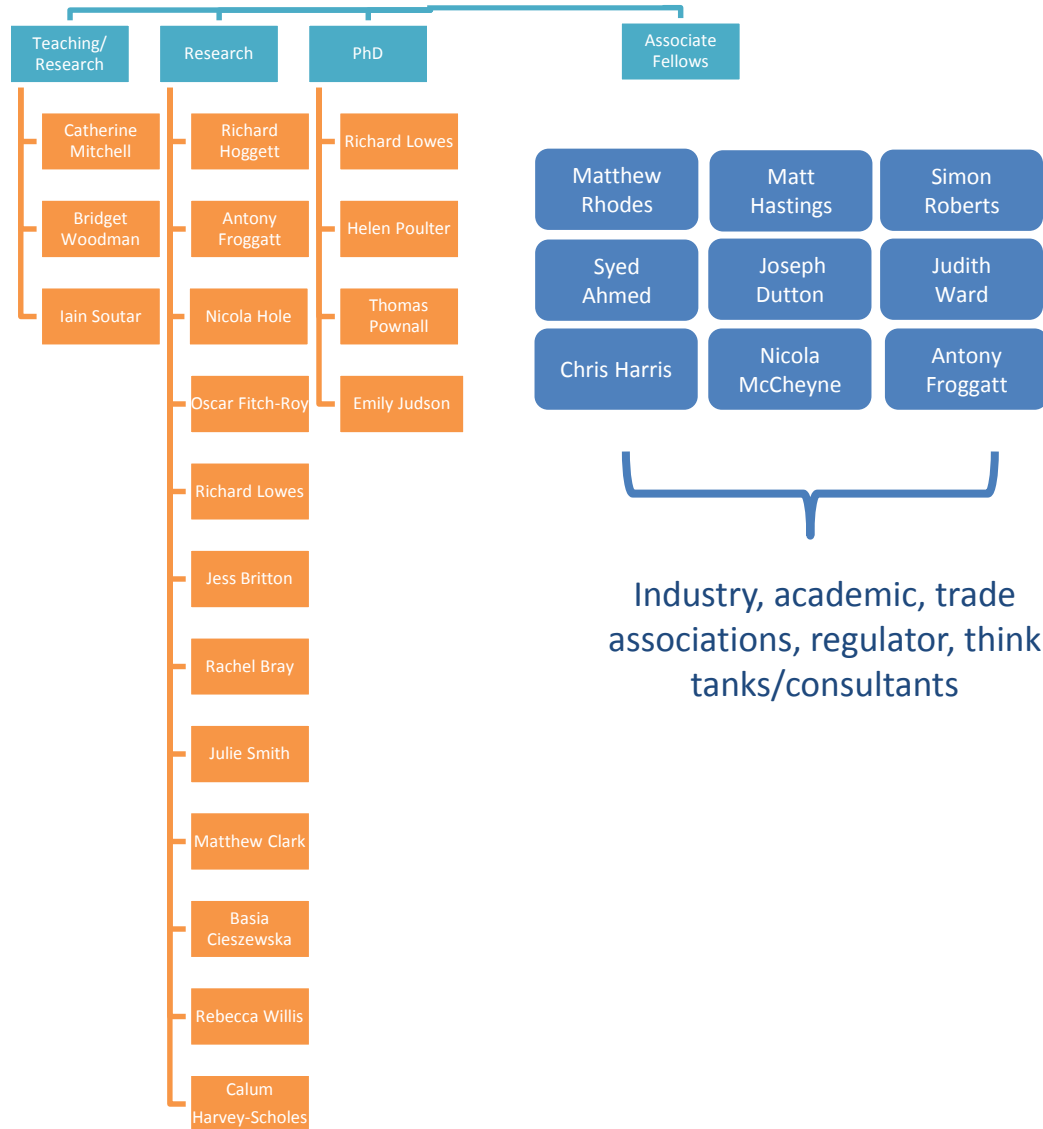


Key themes

- Sustainable energy transformations
 - Balancing environment, security and affordability
- Market and regulatory design
- Politics, institutions and governance
- Innovation and technical change



Energy Policy Group



Current EPG research projects

Project	Funder	Summary	End Date
IGov/ IGov2	EPSRC	Looking at relationships between innovation, governance, energy demand and affordability; and exploring means by which interactions take place within the energy systems and their implications for innovation.	Sept 2019
AURES2	EU Horizon 2020	Analysis of Auctions for Renewable Energy across Europe. Led by Fraunhofer ISI in Germany and with partners from across Europe. Follow up to successful AURES1.	Nov 2021
STEPPING UP	EPSRC	Water-Energy-Food Nexus project. UK initiatives that have a low impact across water, food and energy systems, and whether these could be replicated in other settings.	Mar 2019
HIT2	UKERC	Understanding policy maker perceptions of heat decarbonisation pathways.	May 2019
Future Gas	Denmark Innovation Fund	Understanding the role of gas in the Danish energy transition. Led by DTU, we will be supporting the research on gas markets and regulation.	2019
SIM4NEXUS	EU Horizon 2020	Innovative methodologies to facilitate policy design and bridge knowledge and technology gaps in the water-land-food-energy-climate Nexus under climate change conditions.	2020
Cornwall Local Energy Market	ESIF	Developing a local energy market using Cornwall as a prototype. Led by Centrica, with Exeter evaluating the project and its impacts.	2020
ICE	Interreg	Innovative, smart and low carbon energy solutions for isolated territories in the Channel area.	2020
Gender balance in UK energy research	UKERC	Analysis of gender balance in the UK energy research portfolio, engaging with female energy researchers across career stage regarding their experience funding and academia, and reviewing current and potential approaches to addressing gender imbalance.	2019

EPG links



Geography

Maths

Engineering
and ESI

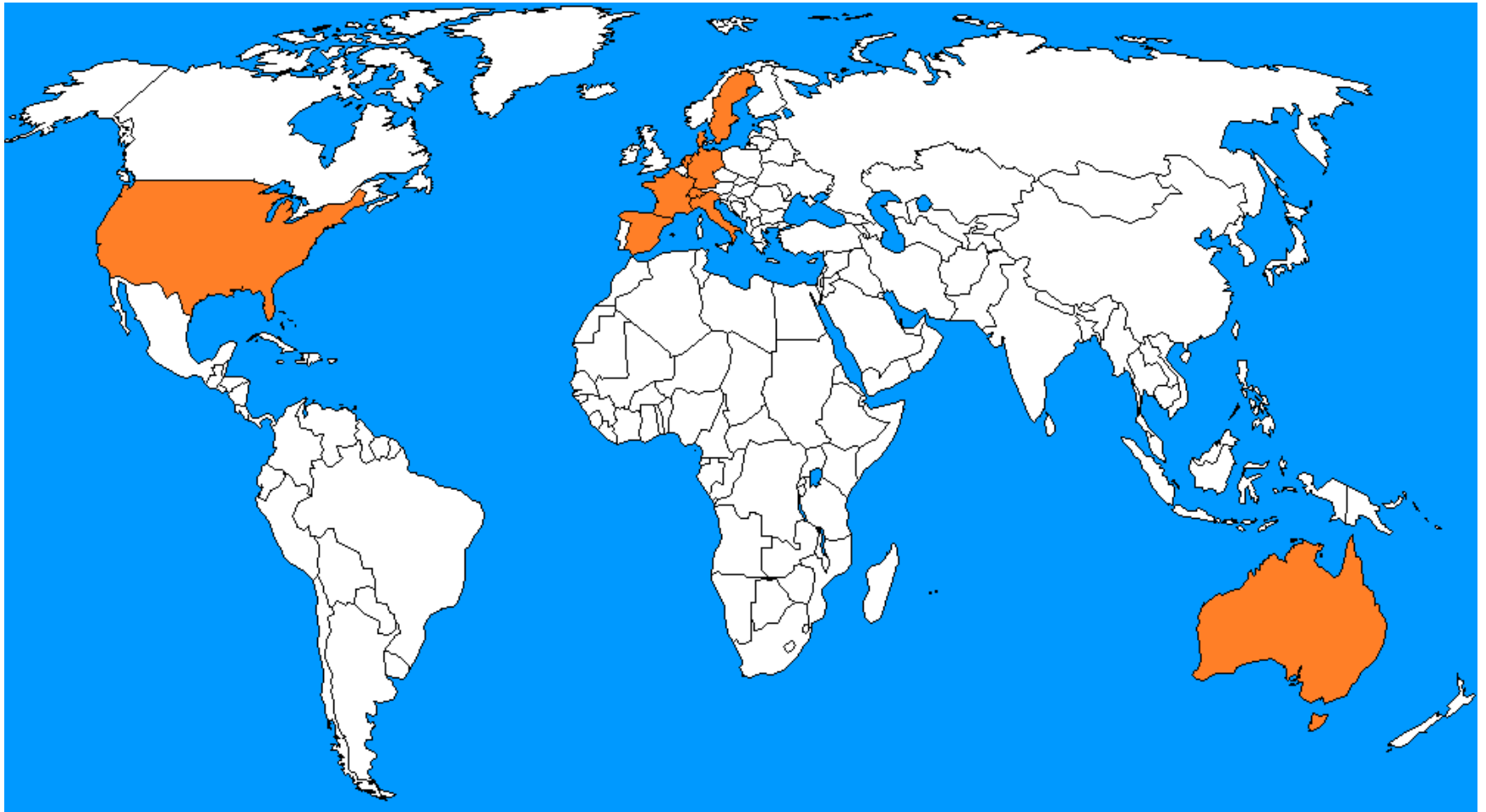
Politics

Business School



ExeterEnergy

Growing international links



Catherine Mitchell



Background: journalist (oil and gas markets), worked for Governments, lots of advisory experience

- How to transform the current 'dirty' energy system to a 'clean' one
- Governance and innovation
- Energy regulation and market design

Projects

PI IGov/ IGov2

Contribution to most other projects

Rachel Bray



Background: principal planning policy writer for Cornwall Council and Penwith District Council; green travel planner for FX Plus.

- Local Energy Markets
- Policy and Regulatory Analysis
- Sustainability Appraisal
- Environmental Impact Assessments
- Community Engagement
- Green Travel Plans & Transport Contracts

Projects

Cornwall Local Energy Market

Jess Britton



Background: sustainability manager in local government and NHS, consultant at Ofgem

- The role of ideas, discourses and institutions in sustainability transitions
- Urban governance, cities and climate change
- New business models and decentralisation
- The development of heat networks
- Local governance needs for energy system change

Projects

IGov2

Gender Balance in UK Energy Research

Basia Cieszewska



Background: BSc International Relations, MSc International Development, energy adviser in charity helping people affected by fuel poverty, currently EPG research assistant

- Gender issues in academia
- Systems thinking in organisations
- Sustainable food systems

Projects

Gender Balance in UK Energy Research

Matthew Clark



Background: environmental science undergraduate, EPG research assistant, previous Falmouth and Exeter student trustee

- Effective communication
- Mixed methodologies
- Interdisciplinary research

Projects

IGov 2

Oscar Fitch Roy



Background: policy analysis;
management consultancy

- EU energy policy
- Renewable energy
- Policy and governance entrepreneurship
- Theories of the policy process

Projects

ICE 2016-2020

AURES 2015-2018

Antony Froggatt



Background: energy consultant and Senior Research Fellow at Chatham House

- Honorary research fellow in the EPG
- At Chatham House he specialises in global energy security and European and Asian electricity policy
- Brexit implications and the implications for the EU and UK's energy and climate sectors
- Analysis of new EU energy governance

Projects

IGov 2

Future Electricity Systems

Calum Harvey-Scholes



Background: Renewable Energy
Installation, Sustainable Development,
Disruptive Technologies

- Community Energy
- Spreading Domestic Renewable Deployment
- Sustainable Transport
- Grassroots Organising

Projects

IGov 2

Richard Hoggett



Background: community energy, Local Government LA21 and HECA, Centre for Sustainable Energy, energy consultant

- Drivers and governance for future energy systems
- Bottom up, cross-vector, system optimisation
- The changing role of people within energy systems
- Decentralisation, digitisation, decarbonisation and democratisation

Projects

PhD by publication: Optimising the energy system from the bottom up

IGov 1 and 2

Nicola Hole



Background: PhD in energy demand reduction, post-doc on social capital in energy

- Smart, flexible governance within the water-energy-food nexus
- The relationship between social capital and sustainable practices
- Links between the core economy and governance for sustainable transitions
- Sustainable food networks within the UK and further afield

Projects

SIM4NEXUS

Emily Judson



Background: international higher education, research and innovation policy, BA politics

- Digitisation of energy systems
- Uses, ownership and transparency of energy data and algorithms
- Regulation of energy data and algorithms
- Relationships between the digitisation and democratisation of energy systems.

Projects

PhD: Democratisation of Energy, Data and Algorithms

Richard Lowes



Background: Policy advisor at SSE and SGN;
independent advisor to SGN

- Heat policy and regulation
- Socio-political power in system transformation
- Lobbying
- Incumbency
- Development of sustainable heat
- Network regulation

Projects

PHD: Socio-political power in the development
of UK heat policy

Heat, Incumbency and Transformations

Future Gas

Helen Poulter



Background: Conservation and Countryside Management, BSc Renewable Energy

- Drivers behind change in the energy system
- Future energy networks and decentralisation
- Energy storage adoption in the electricity network
- The advance of domestic DER in Australia
- Regulatory approaches to enable transformation

Projects

PhD: The role of governance in the energy revolution

IGov2

Thomas Pownall



Background: BSc Geography, MSc Sustainable Development

- Market structures within the UK
- Decentralisation of the UK electricity system
- Motivations and limitations to Demand-Side Response

Projects

PhD: Markets for Future Power Networks

Julie Smith



Background: research on traditional food systems; food policy at City University of London

- Sustainable and healthy food systems
- Water-energy-food nexus
- Innovative forms of policy and governance
- Performance of local-global food chains

Projects

Gender Balance in UK Energy Research

Iain Soutar



Background: Environmental science;
environmental economics; energy policy

- Dynamics of system innovation & societal transformation
- Democratisation of energy systems
- The interaction between social and technological innovation
- Governing complexity at the water-energy-food nexus

Projects

Stepping Up

Rebecca Willis



Background: energy and climate policy; previously director of Green Alliance; Sustainable Development Commissioner; PhD: how politicians understand & respond to climate change.

- Energy and carbon governance
- Public engagement and deliberation
- Political and social aspects of energy transitions

Projects

IGov 2

Bridget Woodman



Background: UK and EU environmental NGOs,
Science and Technology Policy

- Renewables policy design and implementation
- Market design and regulation
- Nuclear power
- Climate policy

Projects

Energy and Economic Growth

Heat, Incumbency and Transformations

Cornwall Local Energy Market

AURES

ICE

Defining the EPG

Structure

- [Relatively] Non-hierarchical
- Emphasis on developing new researchers

Content

- Focus
 - Energy and governance
 - What enables a future energy systems
 - What's happening on the ground
 - International
- Not technology specific
- High impact

Purpose

- Happy to challenge accepted norms if necessary
- Emphasis on developing new approaches and viewpoints

