



# Energy Governance: New ideas, new institutions, new people

## Speakers



### Adam Cooper

Adam has just joined the National Infrastructure Commission as Policy & Engagement Director. Previously he held a number of senior roles at Ofgem covering network price controls, sustainable energy and leading the regulator's response to the CMA energy market investigation.

After qualifying as a Chartered Accountant with Ernst & Young, Adam worked as a consultant in the firm's Centre for Business Knowledge. He then moved to a corporate strategy role at Abbey National, working on business re-organisation, strategic planning and M&A projects. Before joining Ofgem, he was deputy director of financial analysis at the Competition Commission, working on a number of cases including market investigations and regulatory appeals.



### Adriana Laguna-Estopier

Adriana is Low Carbon Technologies and External Engagement Manager at UK Power Networks. She oversees innovation projects on electrification of transport, small scale generation, storage and energy efficiency. She is currently project lead for Smarter Network Storage, the first multipurpose grid-scale storage in the UK, a 6MW/10MWh battery. She joined the company in 2012 as Project Manager of Flexible Plug and Play, addressing the challenge of connecting more renewable distributed generation, before moving onto to become the Commercial Strategy Lead for Low Carbon London, a four-year innovation trial that investigated the impact of a wide range of low carbon technologies on London's

electricity distribution network.

Prior to joining UK Power Network Adriana worked at Acciona Energy in charge of developing 300 MW of wind energy in Mexico. She also worked in the Ministry of Energy in Mexico helping design the country's first Renewable Energy Programme. Qualifications include a Master of Public Administration in Environmental Science and Policy degree from Columbia University's School of International and Public Affairs, as well as a BSc Industrial Engineering from Instituto Tecnológico Autónomo de México.



### Alice Owen

Alice has a career spanning private, public and voluntary sector organisations and she has a track record of achievement in developing and delivering projects to support more sustainable development.

Alice was the lead commissioner for local and regional issues with the UK Sustainable Development Commission from 2005 - 11, working with the politicians and executives of the UK and its devolved governments. An engineer by training, Alice has been working in the field of sustainable development since 1991. She has first-hand experience of the chemical industry and of waste management operations. From 1996-8, Alice was an NGO project manager on a wide range of environmental education projects internationally. She first worked in the public sector as Head of Conservation and Policy at the Yorkshire Dales National Park Authority, from 1998-2001. In 2001, she established the sustainable development team in Yorkshire Forward, one of nine English regional development agencies. Alice has also established and run her own freelancing consultancy business and has worked for the Environment Agency in policy development. Alice led consultancy firm Arup's sustainability consulting work from Leeds for five years before joining the University of Leeds.



## Amy Mount

Amy became the head of Green Alliance's new Greener UK Unit in September 2016, focusing on strategy and communications. The Unit coordinates partner organisations across the environmental sector, who are working to ensure that the UK's environmental protections and climate leadership are strengthened during, and after, the process of leaving the European Union.

Amy joined Green Alliance in 2014 to work on our Low Carbon Energy theme and continues to lead projects in this area. Before starting work at Green Alliance, Amy was a Mellon Fellow at Yale University, graduating with an MA in Global Affairs and a Masters in Environmental Management. Her thesis focused on the politics of oil drilling in Alaska's Arctic Ocean.

Previously, Amy worked at the Futerra Sustainability Communications, the Royal Geographical Society, and Cambridge University Geography Department. She also volunteered extensively with the UK Youth Climate Coalition, attending the UN climate negotiations as a youth delegate and then leading UKYCC's coalition-building and political advocacy. She holds a BA in Geography from Cambridge University.



## Antony Froggatt

Antony joined Chatham House in 2007 and is a Senior Research Fellow in the Energy, Environment and Resources Department. He studied energy and environmental policy at the University of Westminster and the Science Policy Research Unit at Sussex University and is currently an Associate Member of the Energy Policy Group at Exeter University. At Chatham House he specialises on global energy security and the public understanding of climate change. He has worked as an independent consultant for 15 years with environmental groups, academics and public bodies in Europe and Asia as well as a freelance journalist.



## Barbara Praetorius

Barbara is an energy economist by training. Before joining Agora Energiewende, she was head of the division Strategy and Key policy issues of the German Association of Local Public Utilities (VKU) from 2008 until 2014. Prior, she has been Senior Researcher and Project Lead in the division Energy, Transport, Environment at DIW Berlin (the German Institute for Economic Research) from 1992 to 2008. At DIW, she headed an interdisciplinary team of scientists from different research institutes, with focus on the technical, organisational-political and behavioural innovations within in the power system.

Dr. Barbara Praetorius studied economics and political science and received her doctorate at FU Berlin in 2000 with a doctoral thesis on the electricity market in South Africa. Her research has been published in the form of numerous books, papers and scientific journals both nationally and internationally, with a focus on economic and energy policy analyses, instruments, and strategies for the support of sustainable innovations and energy supply structures.



## Ben Eyre-White

Ben is the Head of Flexibility and Markets in the Department of Business, Energy and Industrial Strategy, in which capacity he leads on system governance and new markets for smart energy solutions. Since joining the civil service in 2009, Ben has held a wide variety of senior policy roles. In the Department of Energy and Climate Change he led government policy on the future of the electricity system operator, network competition, system planning and the connections to offshore windfarms. Prior to that, in the Department for Transport, he led work on high speed rail strategy, transport decarbonisation and in the cross-cutting Strategy Unit and 2010 spending review team.

In his current position, Ben sits at the heart of overseeing the strategic development of the electricity system, working in partnership with industry and Ofgem as well as international counterparts to drive an economic and efficient outcome for consumers. He has a wealth of experience across the energy and wider policy landscape, including an extensive knowledge of the sector, its interaction with government and the challenges and opportunities it faces.



## Carly McLachlan

Carly is a Lecturer and Knowledge Exchange Fellow at the Tyndall Centre for Climate Change Research at the University of Manchester. She is a social scientist interested in how individuals and organisations interpret and act on energy and climate change issues. She has worked as part of many interdisciplinary teams on a range of projects that have explored transitions in energy and food systems – stakeholder engagement and participatory scenario development have been key elements of these projects. A long-term theme in Carly's work has been understanding the controversies that can arise during the siting of energy technologies (whether its wind, nuclear or shale gas) – and she is particularly interested in how people assess the potential impacts of developments differently, the symbolic and emotive interpretations of energy and related technologies and how the consultation process is designed and experienced. Carly has recently been awarded UK Energy Research Centre funding in the areas of 'Financing Community Energy' and 'Rapid Acceleration of Car Emissions Reductions' (RACER).



## Caroline Kuzemko

Caroline is an Assistant Professor in International Political Economy in the University of Warwick's Politics and International Studies department. She currently holds an ESRC Future Research Leader grant for her project on 'Power Distributions: Local Authorities, Sustainable Energy and Devolution'.

From 2012 to 2016 she worked as a Senior Research Fellow in the University of Exeter's Energy Policy Group on an EPSRC funded project 'Innovation and Governance' (IGov). IGov sought to explain complex inter-relationships between energy governance, markets and sustainable innovations in the UK, and proposed a new governance framework.

Caroline has authored *The Energy Security-Climate Nexus: Institutional Change in the UK and Beyond* (2013) and co-authored *The Global Energy Challenge: Environment, Development and Security* (2016) (with Michael Keating and Andreas Goldthau). She has articles in the *Review of International Studies*, *Journal of European Public Policy*, *Energy Research & Social Science*, *Environment and Planning: C and Policy and Politics*.

She is the (co-)convenor of two academic networks: the Political Economy of Energy in Europe and Russia (PEEER), and the PSA Special Group on Anti-Politics. She holds a PhD in International Political Economy, and previously worked for eight years at UBS Bank as head of emerging market equity sales



## Catherine Mitchell

Catherine is Professor of Energy Policy at the University of Exeter. Previous to that, she worked at the Universities of Warwick, Sussex and California, Berkeley.

Catherine currently holds an Established Career Fellowship with the EPSRC on Innovation and Governance (<http://projects.exeter.ac.uk/igov/>). The first phase ran from 2012-2016, with the next phase (2016 – 2019) looking at Innovation and Governance for future energy systems. Catherine has been part of many international writing teams (e.g. a Lead Author in the IPCC's Fifth Assessment Report in the Policy and Institutions Chapter of WG3) or research teams (for example, she was PI of an ESRC/EPSRC interdisciplinary research cluster

into Energy Security in a Multi-Polar World (2008-2013). She has worked for Governments and has undertaken numerous advisory positions for a variety of government and non-government stakeholders. She is currently Chair of the Board of the Regulatory Assistance Project (<http://www.raonline.org/>).



## Charlotte Ramsay

Charlotte works for the Electricity System Operator in National Grid, where she is Programme Director for NG's "Future role of the System Operator" activity. Charlotte joined National Grid in 2013, leading the commercial and regulatory team supporting the development of Grid's portfolio of electricity Interconnectors. She was also the Project Director for the UK-Norway interconnector, taking it through to final investment decision in 2015.

Charlotte also worked for Ofgem as Head of European Electricity Transmission, and in a number of academic and advisory posts promoting energy innovation, smart grids and integration of renewables. She has a PhD in Power System Economics from Imperial College London.



## Craig Morris

Originally from the US, has lived in Germany since 1992 and worked in the energy sector since 2001. He is currently a Senior Fellow at the Institute for Advanced Sustainability Studies in Potsdam, Germany. He is the co-author of Energy Democracy, a history of Germany's Energiewende (energy transition) as a grassroots movement (Palgrave 2016). He has served as technical editor of both editions of IRENA's REmap since 2013 and of the 2015 edition of Greenpeace's Energy (R)evolution. In 2008, he cofounded Berlin's PV Magazine.

Since 2010, he has been contributing editor of Renewables International, which he also cofounded. In 2012, he became lead author of EnergyTransition.de. Over the past decade, he has translated two German books on renewables into English, both for Earthscan. Since 2002, he has also authored articles and books in German and served as editor for numerous German periodicals in the energy sector. In 2014, he won the International Association of Energy Economists' prize for energy journalism.



## Felicity Jones

Felicity leads on energy storage at Everoze, a fast-growing technical and commercial consultancy specialising in renewables and storage. Everoze's storage team provides due diligence, market entry and procurement support to the storage sector. Prior to joining Everoze, Felicity served as chair of the World Energy Council storage knowledge network. Felicity brings a global perspective, having lived and worked on energy strategy projects in the UK, Singapore, Norway and the Netherlands. She holds a BA in Philosophy, Politics & Economics from Oxford and MSc in Environmental Technology from Imperial College.



## Jan Rosenow

Jan is an international energy efficiency expert who has been working on energy efficiency for 13 years. He is leading the European energy efficiency team of the Regulatory Assistance Project (RAP) working closely with the European Commission, the European Parliament and the energy efficiency community.

Jan brings deep insights into EU energy efficiency policy and is one of the European Commission's key advisers on the Energy Efficiency Directive. Jan has given evidence to four House of Commons committees and interviews to the New York Times, The Sunday Times, the BBC and The Guardian. Prior to his work for RAP Jan led the energy efficiency policy work of Ricardo Energy & Environment, a large energy and climate change consultancy which is part of a global engineering and consultancy business with 3,000+ staff.

In addition to his background in policy advice and consulting, Jan also has a strong track record in energy research - he has held research appointments at leading institutes in the UK (Oxford University, Environmental Change Institute), Germany (Wuppertal Institute, Oeko-Institute, FU Berlin) and the United States (Lawrence Berkeley Lab), and is now a Senior Research Fellow at the Science Policy Research Unit, Sussex University, and an Honorary Research Associate at Oxford University's renowned Environmental Change Institute.



## Judith Ward

Judith is Director of Sustainability First, a small charitable environmental think-tank. She is an energy policy professional with long-standing practical experience of both the utility and consumer worlds, from the Electricity Consumers' Council to National Grid.

Through Sustainability First, Judith has developed new thinking on GB demand-side approaches and regulatory practice, including the first major study to evaluate the benefits and potential of the GB Electricity Demand-Side. Current Sustainability First interests include a public interest advisory group, designed to assess the public interest benefits of smart meter energy data ; strategic advice to the Power Responsive initiative ; a major project to promote a stronger 'public interest voice' for the water and energy sectors (New-Pin); and a project to show-case innovative practice for energy customers in vulnerable circumstances. Judith is a member of the DECC / Ofgem Smart Grid Forum.



## Katy Roelich

Katy is an Academic Fellow at the University of Leeds and co-lead the Energy and Climate Change Mitigation Group within the School of Earth and Environment.

Prior to this she co-lead the Rethinking Development theme at the Stockholm Environment Institute and was a senior sustainability consultant at Arup. In a former life she was a chartered engineer supervising the clean-up of sites ranging from an oil terminal in the far reaches of Scotland to a nuclear bomb test site in the Pacific. Her current work is concerned with the governance of energy transitions; particularly how stronger participation of civil society could offer a more rapid and democratic approach to energy system change; and how governance can be more reflexive and adaptive to account for the great uncertainty and complexity associated with energy system change.

Katy has worked on a range of RCUK and EU-funded projects, including the UK Energy Research Centre and is currently part of the Centre for Industrial Energy, Materials and Products (CIE MAP) one of the End Use Energy Demand Centres.



## Mari Martiskainen

Mari is a social scientist with a specific interest in the transition to a more sustainable energy world. Mari's research topics include for example the role of intermediation in low energy housing, energy efficiency policy mixes in relation to buildings, community action on fuel poverty and the diffusion of microgeneration technologies. Mari has worked with a range of stakeholders and partners, including community groups, not-for-profit organisations, businesses and consultants. She has experience from various communication channels, including conference presentations, social media, seminars and media interviews.

Prior to joining the Sussex Energy Group, Mari worked for RenewableUK, concentrating on small-scale wind energy systems and engaging widely with industry and stakeholders. Her previous experience includes a post as an editor at [www.bunkerworld.com](http://www.bunkerworld.com), where she conducted research in the global marine fuels sector and sustainable shipping fuels.

Mari is a Research Fellow at the Centre on Innovation and Energy Demand. Her research has included a range of topics in energy research, such as: the role of intermediation in transitions to low carbon housing; building energy efficiency policy mixes; community action on fuel poverty. Mari is also an affiliate Researcher of the Tyndall Centre for Climate Change Research.



## Matt Hastings

Matt is a national award winning energy and sustainability professional with over 10 years' experience in the energy sector. He is a founder member of Centrica's Distributed Energy and Power division and currently Programme Director for Local Energy Systems. He joined Centrica in April 2014 with the sole objective of convincing the business to pursue a vision for local energy markets, an objective he achieved in 2016 after securing £19m funding to trial the UK's first Local Energy Market in Cornwall.

He has held a number of posts in Centrica including Innovation Development Manager, Head of Local Energy Systems, Senior Commercial Manager and Head of Glow Cornwall, (an ECO partnership with Cornwall Council and British Gas). Prior to this he led on energy development and strategy for the Eden Project and championed the importance of systemic thinking in community energy, local supply and the development of local energy markets.

In the late 1990's Matt worked as a media planner in the Video Games industry before setting up his own Guerrilla Marketing company at age 20. He has a first class BSc. (Hons) in Renewable Energy Technologies and Environmental Resource Management. He was awarded ESTA Energy Manager of the Year 2012.



## Matthew Lockwood

Matthew Lockwood is a Senior Research Fellow working on the EPSRC-funded IGov project and a member of the Energy Policy Group at the University of Exeter. Previously he was Head of Climate Change at the Institute of Development Studies at the University of Sussex (2011-2012) and at the Institute for Public Policy Research (2006-2011), where he was latterly Associate Director of Energy, Climate Change and Transport. He has also worked as an adviser in the period 2004-2006 to the London Development Agency and the Deputy Mayor of London, and in the Department for Energy and Climate Change on secondment in 2009-2010. Matthew has also worked in senior policy roles in several international development NGOs, and prior to that as a sociologist at the University of Sussex and at Cambridge University. He was educated at Oxford University, where he took an MPhil in Economics and a DPhil.



## Matthew Rhodes

Matthew is Managing Director of Encraft, a specialist consultancy in low carbon energy and buildings which he established in 2003. Encraft works with a very wide range of customers from individuals through to national governments, and has a particularly strong reputation for innovation and project development. Matthew is an advocate of much stronger customer engagement in energy markets and has initiated a number of pilot projects aiming to drive market development by providing better information to end users.

In 2016 he became a director of Greater Birmingham and Solihull Local Enterprise Partnership, and he's currently working with public sector leaders in the West Midlands to develop more democratic and open approach to local energy market governance in the West Midlands.



## Natalie Bennett

Natalie Bennett is the former Leader of the Green Party of England and Wales, a post she held for 4 years. She is currently the Green Party's prospective parliamentary candidate for Sheffield Central.

Within the Green Party she founded the Green Party Women's Group and she's been an active worker on policy, on issues ranging from the abolition of the Corporation of the City of London to abortion rights, proportional liability on the roads to job-share MPs and a 40% quota for women on major company boards, the treatment of women offenders and the rights of asylum-seekers and sex workers. She is a trustee of the Fawcett Society, Britain's pre-eminent women's issues group, and was the founder of the blog Carnival of Feminists.

Natalie spent two years in Bangkok working with the National Commission on Women's Affairs, on its report to the UN Committee on the Elimination of Discrimination Against Women. She also worked as a consultant with the International Labor Organisation (ILO) on child labour issues and World Health Organization (WHO) on women's health. She has also worked as a journalist and was editor of Guardian Weekly from December 2007 – March 2012 and previously worked as a reporter for the Independent, the Telegraph, and the Times of London.



## Nicky Dean

Nicky is the Chief Editor of Nature Energy ([www.nature.com/natureenergy](http://www.nature.com/natureenergy)), a multidisciplinary energy research journal covering the natural and social sciences and economics, which launched in January 2016. Before that, he spent four years as an editor for Nature Communications, where he looked after a broad range of topics across applied and fundamental physics, including solar cells and other energy devices. Originally trained as a physicist, Nicky gained his DPhil from the University of Oxford, where he carried out optical measurements on different material systems.



## Nicola Waters

Nicola has worked in the energy industry since 2008, after a number of roles in business development and project delivery, Nicola is now the Chief Operations Officer at Primrose Solar. She is a recognised renewable energy industry leader and represents the Distributed Generation community by sitting on the ENA's Distributed Generation Forum, and also Chairs the Solar Trade Association's Strategic Grid Group.



## Paul Westacott

Paul has spent the last 8 years working across various challenges within the energy sector. Building on a PhD developing new solar technologies at Imperial College London, Paul worked within the Centre for Energy Policy and Technology on a pioneering project to understand the drivers, impacts and integration strategies for distributed generation uptake in the UK. The timeliness of this work led to a secondment to Ofgem, to identify the learning from network innovation projects on how “smart” solutions could enable the integration of renewables.

Following on from here, Paul worked at DECC focusing on the role of flexibility, including energy storage to enable firm power generation from renewables, within the Engineering and Smart Energy teams.

He now manages the commercial analysis function of Origami Energy. Origami Energy is the leading venture in the development and implementation of a peer-to-peer, edge of grid market place. Funded by Octopus Venture Capital, and Cambridge Innovation Capital, we are an exciting and fast paced company with a 60-strong team of software and hardware developers, driven to position Origami at the centre of the decentralised energy future. As the energy industry rapidly changes, with an increasing proportion of renewables to the energy mix Origami provides the software and analytics to balance the unpredictable supply to demand, reducing risk for generators and consumers.



## Rachel Stanley

Rachel is an energy flexibility expert with a focus on bringing about a customer-centred sustainable energy future through new business models and technology. Her experience across corporates, think tanks, and now startups, gives her a broad range of understanding of the strategic, commercial and technical potential and practicalities of developing new energy business models and propositions. Recent projects have included analysis of the revenue streams of grid-based storage, and leading the technical implementation for the Sunshine Tariff domestic time of use and demand response trial. She is currently working with Energy Local on developing local energy markets, and Ubitricity on electric vehicle mobile smart metering.



## Ralitsa Hiteva

Ralitsa is currently a Research Fellow in Infrastructure Governance in the Science Policy Research Unit at the University of Sussex and works on the intersection of energy policy, infrastructure and governance. Ralitsa is a member of the Sussex Energy Group. She trained in economic geography and environmental governance and worked for the United Nations Economic Commission for Europe on issues related to national capacity building for infrastructure development and economic integration, before her PhD.

Her PhD analysed the geography of low carbon infrastructure governance in Europe. Since she joined SPRU in 2013 she has undertaken a range of research on energy, infrastructure and environmental policy, with particular focus on infrastructure interdependencies, low carbon network innovations and business model innovations at multiple scales. Her work is primarily informed by governance, innovation and transition literature and has included case study development, intensive qualitative research, and policy analysis. Her most recent work focuses on policy and regulation for cross sector integration and building flexibility in the energy system. Ralitsa is fascinated by the dynamics between smart cities, smart technologies and smart governance, and dreams of examining the intersectionality and positionality of researchers in the encounter spaces between academia, policy, industry and civil society.



## Rebecca Willis

Rebecca is an independent researcher with 20yrs experience in environment and sustainability policy and practice, at international, national and local level. She fosters collaboration between the research community, politics, government, business and the third sector, in order to further sustainability goals. In 2009 Rebecca founded Green Alliance's Climate Leadership Programme, an initiative to support Members of the UK Parliament. With Lancaster University, she is conducting research into political responses to climate change. She advises the Lake District National Park, where she helped to establish the UK's first local carbon budget; and has a particular interest in local and distributed energy solutions.

Rebecca is a member of the Scientific Advisory Committee of RCUK's Energy Programme and advises the IGov project at the University of Exeter. She is a Fellow of the Centre for the Understanding of Sustainable Prosperity (CUSP). From 2011-15 she was a Council Member of the Natural Environment Research Council, and from 2004-11 was Vice-Chair of the UK Sustainable Development Commission, advising the Prime Minister and First Ministers of the devolved administrations. She is an Associate of the think tank Green Alliance and from 2001-4 was Green Alliance's Director. Previously, Rebecca spent two years as a policy adviser at the European Parliament in Brussels, specialising in international environmental issues. Her freelance portfolio has included work with a range of organisations including the British Academy, Co-operatives UK, the Lake District National Park Authority and the Universities of Lancaster, Leeds, Sussex and Exeter, and Imperial College.



## Richard Hoggett

Richard is the Research Manager for the IGov project within the Energy Policy Group at the University of Exeter.

He currently works on the relationship between energy governance and system change and his research interests include the changing role of people within energy systems; the importance of scale in transitions; and bottom up system optimisation.

Before joining the Energy Policy Group he worked as a community development worker on sustainable energy and climate change. He also spent 5 years at the Centre for Sustainable Energy delivering energy education projects and a series of community and local authority projects on behalf of the Energy Saving Trust. He has also worked as an energy consultant delivering a range of projects and research on sustainable energy and climate change for government, local authorities, NGOs and universities.



## Sara Bell

In 2012, Sara set up Tempus Energy and began developing the tech platform for the future utility. Sara's unique background combining a financial markets risk system development career with energy system innovation has provided the cutting edge approach employed by the company. The Tempus platform uses algorithms, machine learning and DSR technology to reduce energy cost for customers, boosting the efficiency of renewables and reducing reliance on stand-by fossil fuel peaking plant.

Tempus recognises building flexibility such as customer consumption flexibility and battery storage is crucial to cost effective decarbonisation and is committed to outcompeting fossil fuel.

In 2014, Tempus challenged the UK Capacity Market design in the European Court because it favours fossil fuel generation over innovation. Tempus launched the first flexible electricity retailer in the world, opening up the new business model for the future utility.

Sara sits on numerous industry committees, is a Director of the Association of Decentralised Energy, a member of the Scientific Advisory Council for Energy for the Engineering & Physical Sciences Research Council and an Innovation Ambassador for Innovate UK.



## Sarah Darby

Sarah is Deputy Programme Leader, Lower Carbon Futures, at the Environmental Change Institute, University of Oxford.

The Lower Carbon Futures programme carries out interdisciplinary research on responses to climate change, energy security, and fuel poverty. LCF researchers work with academics, practitioners and policy makers to develop understanding of the links between activity, technologies, policy and markets. Sarah's main interests lie with socio-technical networks and interfaces, and the prospects for intelligibility in energy systems. Previous work included analysing and evaluating energy advice programmes and the role of feedback in energy systems, assessing prospects for reducing the climate impact of UK buildings, and evaluating the introduction of smart metering to the UK and elsewhere. She views electricity networks as dynamic socio-technical systems, functioning through interactions between hardware, 'software' (regulations, billing systems, tariffs etc.), formal and informal knowledge, and the daily activities of energy users and industry practitioners. Sarah contributes to the decision-making theme for the UK Energy Research Centre and leads the work on demand for the Oxford Martin Programme on Integrating Renewable Energy.

Sarah holds a DPhil from the University of Oxford (Awareness, action and feedback in domestic energy use) and a BSc in Ecological Science from the University of Edinburgh.



## Simon Roberts

Simon is Chief Executive at the Centre for Sustainable Energy. Simon has been helping people, organisations and policy-makers to develop effective responses to the threat of climate change and the misery of cold homes for more than 30 years. He has been Chief Executive of the Bristol-based charity the Centre for Sustainable Energy since 2002, after senior roles for Triodos Bank and Friends of the Earth. Simon also chairs the board of Thrive Renewables Plc (the new name for Triodos Renewables) and is a non-executive director of Bristol Green Capital

Partnership CIC.

Simon is a specialist advisor to Ofgem and BEIS and a member of the advisory board for IGov and a number of other academic research programmes. He was instrumental in the development of the recent NICE guidance and quality standards on tackling the health impacts of cold homes. In 2015 Simon set up the Bristol Smart Energy City Collaboration and is leading its work to establish the conditions and capabilities for effective use of smart energy data at city-scale. He was awarded an OBE in 2011 for his work.



## Stephen Hall

Stephen currently holds an EPSRC fellowship investigating deep decarbonisation of cities. He is interested in the links between low carbon innovation, economics, energy, climate change and society. Steve's work draws on quantitative and qualitative approaches to energy transitions. In particular he is interested in the role of cities and regions in delivering infrastructures compatible with low carbon futures.

Steve has undertaken international work on urban emissions modelling, infrastructure finance and energy decarbonisation. Steve has recently published research on innovative business models for energy transitions, how finance and ownership models have both technical and social effects on energy systems, and how cities can play a key role in decentralised energy expansion.

Steve's work has been incorporated into national energy policy, used by the Infrastructure Commission, and adopted by the International Energy Agency.



## Tiffany Chow

Tiffany is a Senior Consultant in Navigant's Global Energy practice, based in London. She has nearly a decade of energy experience acquired in the UK, Europe, Australia and North America.

At Navigant, Tiffany's focus is on utility strategy, emerging technologies and energy market design. She has advised some of the world's largest utilities on smart cities, storage and DER, and offshore wind development. She recently worked with a notable economist on the development of energy master plans in Benelux, and worked with a large European utility on the development of smart city value propositions for international deployment.

Prior to Navigant, Tiffany was a Principal Regulatory Analyst in the CEO's Office of the Australian Energy Market Operator (AEMO) in Melbourne. In Canada, Tiffany was a policy advisor at the Ontario Ministry of Energy, where she supported negotiations of a \$7 billion renewables investment agreement. She has also managed international and European Commission projects for a Brussels-based renewable energy consultancy.

Tiffany holds a master's degree from the University of Cambridge in Engineering and Sustainable Development and a bachelor's degree from the University of Toronto in Systems Engineering. In 2013, Tiffany represented Australia at an International Energy Agency training program in Paris.



## Tom Burke

Tom is the Chairman of E3G, Third Generation Environmentalism, and an Environmental Policy Adviser (part time) to Rio Tinto plc. He is a Visiting Professor at both Imperial and University Colleges, London. He is a member of the External Review Committee of Shell and the Sustainable Sourcing Advisory Board of Unilever and a Trustee of the Black-E Community Arts Project, Liverpool.

He has had advisory, member and executive roles in numerous projects, including: Foreign Secretary's Special Representative on Climate Change from 2006-12; Independent Review of Environmental Governance in Northern Ireland from 2006-7; Central Policy Group in the Deputy Prime Minister's Office; Green Alliance from 1982-1991; BP plc from 1999-2001; OECD's High Level Panel on the Environment 1996-98; Cranfield Institute of Management; Manchester Business School; Bergen 1990 Environment NGO Conference 1988-90; Board of the World Energy Council's Commission 'Energy for Tomorrow's World' 1990-93.

Current roles include: Advisory Board for Conservation International's Centre for Environmental Leadership; Fellow of the Energy Institute; Honorary Fellow of the Society for the Environment; European Advisory Council of the Carbon Disclosure Project; Patron of the United Kingdom Environmental Law Association.



## Tom Snellock

Tom Snellock Heads up partnerships and customer management team at Limejump, focusing on the strategic partners and business development of key customers. An academic background with degrees focusing on climate change, environmental policy and energy policy and a more recent shift to the commercial world he is passionate about saving the world and helping customers be part of this.



## Zoe McLeod

Zoe is a consumer advocate with more than twenty years experience in policy, regulation and communications. Her background includes working on energy, water and consumer vulnerability issues for Citizens Advice (and its predecessor bodies Consumer Focus and Consumer Futures), Ofgem, Ofwat, National Energy Action, and Friends of the Earth.

Zoe is an Associate with Sustainability First, the Independent Chair of South East Water's Customer Challenge Group and a Director of a new social enterprise called OnTheRecord. OnTheRecord's aim is to make businesses better so as to save customers time and money. Her previous roles include: Representing consumer interests on Smart Energy GB's Board; Consumer advocate on Ofwat's Expert Advisory Panel; Representative on the Fuel Poverty Advisory Group for England (FPAG), and member of DECC's Consumer Vulnerability Task Force; Consumer representative on the Smart Metering Ministerial Steering Group and a number of smart metering groups, including DECC's Consumer Advisory Group and those relating to consumer engagement, benefits realisation and data access and privacy; Consumer representative on the Smart Metering Installation Code of Practice (SMICOP) panel. Zoe was an elected Councillor (2006-10) and in this role was Assistant Cabinet Member for Young People and Youth Services for Richmond upon Thames Council.