



Centre for
Climate Change
Economics and Policy

UKERC



Speaker Biographies

Eva Ahlner Eva is currently working at the Policy Development Department at the Swedish Environmental Protection Agency. She has an educational background in chemical engineering, and almost 20 years experience of environmental policy development on a national, European and international level. Eva has been extensively involved in the development of an Integrated Product Policy (IPP) nationally and within EU. She has been managing research programs towards a low-waste society and coordinating EU funded RTD projects. As a Technical Attaché in Washington and Tokyo she has been analysing policy, research and business initiatives towards a sustainable development. Her current work is focused on how to strengthen the consumption perspective in the Swedish Environmental Quality Objective System and to develop new policy instruments towards a low-carbon and resource efficient society. She is also serving as a national expert in sustainable consumption and production towards the EU and UN.

Professor John Barrett John holds a Chair in Sustainability Research at the Sustainability Research Institute (SRI) University of Leeds. His research interests include sustainable consumption and production (SCP) modelling, carbon accounting and exploring the transition to a low carbon pathway. He has an extensive knowledge of the use of Multi-Regional Environmental Input-Output modelling to understand the effectiveness of strategies and policies to deliver a low carbon economy. His research is predominately funded by the UK Government (Defra) and the UK Energy Research Centre. These key areas of research have involved the building of global trade models to understand the embedded carbon emissions in goods and services and estimating the upstream carbon emissions from emerging energy technologies. The techniques that he developed as part of his research are now used by numerous government departments to understand the consumer emissions of the UK as well as the carbon emissions embedded in products. John was one of the lead advisors to Defra in relation to the development of PAS2050 and was commissioned by Defra to lead on understanding the carbon footprint of trade. John has been selected as a lead author for the IPCC 5th Assessment for Working Group III.

Dr Alice Bows Alice is a Lecturer in Energy and Climate Change in the School of Earth Atmospheric and Environmental Sciences, University of Manchester. Alice trained as an astrophysicist at the University of Leeds and Université Joseph Fourier, Grenoble, France, did her PhD in climate modelling at Imperial College, then worked in science communication for three years. She returned to academia in 2003 joining the interdisciplinary Tyndall Centre for Climate Change Research as a Research Associate to explore conflicts between climate change and aviation policies, significantly raising the profile of the issue within the UK. In 2008 she was appointed as a lecturer within the Sustainable Consumption Institute (SCI) and currently directs projects on international shipping and food supply scenarios within a climate change context. Alice leads the SCI's Climate Change and

Carbon theme, the University of Manchester's Aerospace Research Institute's (UMARI) Environment theme and is associated editor of the new journal *Carbon Management*.

Sara Eppel Sara joined Defra in 2009 as head of Sustainable Products and Consumers. She leads Defra's policy on products, including negotiating Europe-wide minimum efficiency and labelling standards for energy using products under the Eco Design Directive, developing product footprinting standards (such as PAS2050 for embedded carbon), and longer term issues such as product durability and exploring alternative business models. Sara leads Defra's work on behavioural approaches to influencing change, heading Defra's Centre of Expertise on Influencing Behaviours. She also leads development of the Government Buying Standards which embed sustainability into procurement. Sara's previous roles include Director of Policy for the Sustainable Development Commission; Head of Policy for the Energy Saving Trust; international work in Paris for the International Energy Agency & the OECD; as well as an earlier career in the Dept of the Environment and No10.

Professor Andy Gouldson Andy is currently Director of the ESRC-funded Centre for Climate Change Economics and Policy (CCCEP) which is hosted jointly by the University of Leeds and the London School of Economics and Political Science, and is chaired by Nicholas Stern. The Centre brings together some of the world's leading researchers on climate change economics and policy, from many different disciplines. Andy leads the CCCEP programme on climate change mitigation, and is also leading a number of other projects that seek to accelerate and also manage the costs of transitions towards low carbon businesses and economies.

Keith James Keith is the Environmental Manager at the Waste & Resources Action Programme (WRAP). He has worked in the public and private sectors in delivery and strategic roles associated with environmental projects including environmental management, energy efficiency, waste minimisation and recycling. Keith's role as part of the Strategy & Planning Team at WRAP is to ensure that the wider environmental impacts of WRAPs activities are considered and accounted for. He has also written numerous reports including the Carbon and Water Footprint of Food Waste to provide evidence on the environmental impacts of prevention, reuse and recycling activities, and helped to develop the Scottish Carbon Metric to support Scotland's Zero Waste Plan and assisted in developing guidance on the Waste Hierarchy in England.

Dr Glen Peters Glen's research is shaped around quantitative analysis and development of effective global climate policy. His research interests span most of the cause-effect chain starting with consumption and production as emission drivers and working through radiative forcing, temperature and ultimately climatic change. His most active area of research is the separation of consumption and production, particularly through international trade. This research has been applied to the development of post-Kyoto policies, the role of international trade in climate policy, carbon leakage, carbon footprints, competitiveness concerns, sustainable consumption, globalization, and understanding different national circumstances. His interest is mainly on global policy, but several studies have focused on China, Norway, Europe, and the USA. He is currently expanding this research into other areas that have been challenging for policy, such as land-use change and international transportation. Another active area of research is emission metrics and simple climate models, and using these to compare the full spectrum of climatic impacts of different economic activities, including both long-lived greenhouse gases and short-lived climate forcers.

Dr Graham Sinden Graham is a Senior Strategy Manager at the Carbon Trust, where he leads strategy and international engagement on global carbon assessment, emissions embodied in trade and product carbon footprinting, and advises on renewable energy and carbon abatement policy. Graham was the author of PAS 2050, the product carbon footprinting standard, is a Steering Group member of the WRI/WBCSD GHG Protocol Supply Chain Initiative, and is the UK expert to the International Standards Organisation (ISO) on greenhouse gas assessment. Graham is a Lead Author for the Intergovernmental Panel on Climate Change (IPCC), holds a Research Associate post at Oxford University, and is a member of the London 2012 Olympic Carbon Advisory Group. Prior to joining the Carbon Trust, Graham investigated integration and system security aspects of large-scale renewable electricity generating capacity, and advised the UK Government on energy policy. Graham holds a D.Phil. & M.Sc. (Oxford University) and B.Sc. (Sydney University).

Professor Jim Skea Jim has particular research interests in energy, climate change and technological innovation. He has been Research Director of the UK Energy Research Centre, based at Imperial College, since 2004, and a Professor of Sustainable Energy at Imperial College since 2009. He previously directed the Policy Studies Institute and the Economic and Social Research Council's Global Environmental Change Programme. He has operated at the interface between research, policy-making and business throughout his career. He is a founding member of the Committee on Climate Change and a Vice-Chair of the Intergovernmental Panel on Climate Change Working Group III (climate change mitigation). He is also on the Boards of the Blackrock new Energy Investment Trust plc and the Stockholm Environment Institute. He acted as Launch Director for the UK Low Carbon Vehicle Partnership.

Dr Julia Steinberger Julia is interested in quantifying the current and historical linkages between resource use and socioeconomic parameters, and identifying alternative development pathways to guide the necessary transition to a low carbon society. She obtained a BSc in mathematics and physics from Brown University and a PhD in physics from the Massachusetts Institute of Technology, after which she started working in industrial ecology first at the University of Lausanne, then at the Institute of Social Ecology in Vienna. She is currently a lecturer in ecological economics at the Sustainability Research Institute of the University of Leeds.

Professor Arnold Tukker Arnold is Business line manager Societal Innovation and Economy at TNO, a large not for profit research organization in the Netherlands, and is part time professor of Sustainable Innovation at NTNU, Trondheim, Norway. He set up the Sustainable Consumption Research Exchanges (SCORE!), a network of a few hundred researchers under the EU's 6th Framework Program, which developed knowledge for various international policy agenda's such as the UN's Ten Year Framework of Programs Sustainable Consumption and Production (SCP). He authored 5 books, 40 papers and 5 special issues on sustainability research, and has been engaged with work of the UN on the Green Economy Initiative and the Resources Panel.

Dr Karen Turner Karen is a Reader in Energy Economics at the University of Stirling and a Research Associate of the Fraser of Allander Institute at the University of Strathclyde. She is a graduate of the Universities of Strathclyde and Glasgow. Karen's research focuses on accounting for and modelling energy-economy-environment interaction using input-output (IO) and computable general equilibrium (CGE) techniques. In 2008 she became one of six ESRC Climate Change Leadership Fellows, with her project focusing on measuring and modelling the pollution content of trade flows.

Dr John Van Ardenne John joined the European Environment Agency (EEA) Air and Climate Change Programme in 2010. He is responsible for integrating scientific knowledge on climate change and air quality into the Agency's activities on greenhouse gas and air pollutant mitigation and its environmental assessment studies. He is involved in the EEA's support to EU policy making such as the air quality review and Europe's climate mitigation policy. He holds an engineering degree in Environmental Sciences from Wageningen Agricultural University and a PhD degree from the same university on the topic 'uncertainty in emission inventories'. Before joining the EEA he has worked at the Institute for Marine and Atmospheric Research (IMAU) of Utrecht University (NL), the Dutch Institute for Applied Research (TNO, NL), the Department of Atmospheric Chemistry at the Max Planck Institute for Chemistry (DE) and at the Institute for Environment and Sustainability of the European Commission DG Joint Research Centre (IT). He is author/co-author of 30+ peer reviewed publications and reports, especially in the field of atmospheric emissions and atmospheric chemistry modelling.

Dr Harry Wilting Harry is a policy researcher at the Sustainable Development unit at the Netherlands Environmental Assessment Agency (PBL) in Bilthoven. He holds an MSc in mathematics and computer science, and he has a PhD in environmental science from Groningen University. His thesis focuses on the relations between economic activities and energy use, especially the energy requirements of household consumption. At PBL he has been working on the relations between natural resources, production, consumption and environmental pressures. He is a specialist in the development and improvement of environmental impact assessment tools for policy purposes, in particular based on environmental input-output analysis, and CGE modeling. His research areas concern sustainable production and consumption, and energy and environmental economics. He is author/co-author of several publications on methodological issues and policy analyses in these fields.