

Contributors

Wokje Abrahamse currently works as a Banting postdoctoral fellow in the Department of Psychology at the University of Victoria in Canada. She obtained her PhD in social and behavioural sciences at the University of Groningen, the Netherlands. Her research focuses on human behaviour in relation to environmental issues. She studies the effectiveness of interventions (such as information provision) to encourage the adoption of environmentally friendly behaviours. Wokje also examines factors related to engagement in environmentally friendly behaviours, such as attitudes, social norms and values.

Colin Ashton-Graham is a behavioural economist with 20 years experience in the development, delivery and evaluation of interventions to effect sustainable behaviour change. He has applied these skills to infrastructure and service planning in the transport sector and to demand management of water, energy, waste, garden nutrients (river health), physical activity (population health) and transport. He is now an independent consultant offering his skills and experience to government, education and not-for-profit clients with a passion for facilitating more sustainable community outcomes. Ashton-Graham is currently the technical lead on behaviour change programmes for the Water Corporation, Department of Sport and Recreation, Swan River Trust and several Local Government Authorities in Australia.

Professor Subhes C. Bhattacharyya is an internationally renowned energy specialist with more than 25 years of energy sector expertise in various capacities. He has extensively written on energy issues and brings a multidisciplinary background covering engineering, economics, regulatory skills and project management. He focuses on energy issues in developing countries and has worked extensively in South Asia, South East Asia and sub-Saharan Africa. Bhattacharyya is the author of *Energy Economics: Concepts, Issues, Markets and Governance* (2011) and has edited *Rural Electrification through Decentralised Off-grid System in Developing Countries* (2013). He is Professor of Energy Economics and Policy at the Institute of Energy and Sustainable Development, De Montfort University, Leicester, UK.

Mathieu Brugidou is Senior Researcher at EDF Research and Development, and was Associate Senior Researcher at PACTE, a CNRS social science research unit. He received a PhD and habilitation (HDR) in political science from Sorbonne-Paris-I University, France in 1992. His research interests include analysis of political discourse, public opinion and debate about energy and methods of analysis of textual data applied in social science (non-directive interview and open-ended question). Brugidou is a trainer for adult classes in different Schools (Sciences Po, Université Paris I Sorbonne). His books include *L'opinion et ses publics* (2008), *Le débat public: un risque démocratique* (2009, with D. Boy), *Le Grenelle de l'environnement: Acteurs, discours, effets* (2012, with D. Boy, C. Halpern and P. Lascoumes).

Roland Clift studied chemical engineering at Trinity College, Cambridge, UK achieving first class honours in 1964. He received a PhD from McGill University in 1970 for work on particle-fluid interactions, which became his main research area (at McGill and Cambridge, then Surrey University) in subsequent years. He became Head of the Department of Chemical Engineering at the University of Surrey in 1981 and a growing interest in the application of engineering principles to environmental issues led him to establish the Centre for Environmental Strategy (CES), a multidisciplinary group of engineers, scientists and social scientists, there in 1992. In this centre he was an advocate of clean technology, life cycle assessment and sustainable development. Clift is presently Professor Emeritus at the CES. He is a Fellow of the Institution of Chemical Engineers, the Royal Academy of Engineering and the Royal Society and in 1994 was made an OBE for his initiative in promoting research, and a CBE in 2006 for services to the environment. He received the Sir Frank Whittle Medal of the Royal Academy of Engineering for 2003, for 'an outstanding and sustained engineering achievement contributing to the well-being of the nation'. He received the 2007 Hanson Medal of the Institution of Chemical Engineers.

Judith de Groot is Senior Lecturer in Marketing at the University of Bath, UK. Her research interests include explaining and changing pro-environmental behaviours. De Groot's main focus includes how values and norms affect pro-environmental behaviour and how we can frame messages to activate values and norms thereby promoting pro-environmental behaviours.

Sophie Emmert studied public administration at the University of Twente, the Netherlands and works as a researcher and consultant at the TNO Institute of Environment and Geosciences. Her current research activities and interests focus on system innovations, transitions and transition man-

agement. As a co-project manager she worked (2005–08) on the European Union (EU) funded SCORE! Project, which aimed to initiate societal system innovations on Sustainable Consumption and Production together with different societal actors. Emmert also works in SCOPE2 to analyse how policy instruments can lead to greening of the markets and stimulate more sustainable consumption patterns by individuals and households. She is the TNO project leader on BAREENERGY, an EU project to identify the relevance and strengths of various barriers for energy behaviour changes among consumers and households. She was involved in the TNO programme New Initiative for Sustainable Innovations (NIDSI) on sustainable mobility.

Andrea Farsang is a PhD candidate and research affiliate at the Central European University (CEU), Department of Environmental Sciences and Policy, Hungary. Her research focuses on sustainable consumption and lifestyles, behaviour change and sustainability communication. After finishing her studies at St István University in Hungary and Hohenheim University in Germany, she worked as a researcher and project manager. At the CEU, Farsang has worked on several multidisciplinary research projects (FP6 and FP7) dealing with sustainability issues, energy efficiency and sustainable consumption. Her most recent work, the FP7 project Creating Innovative Sustainability Pathways (CRIPS), focuses on the identification of potential pathways to aid the EU towards the transition to a sustainable, low carbon Europe.

Shane Fudge is Lecturer in Energy Policy at the University of Exeter, UK. He is based in the Geography Department and teaches and supervises at undergraduate and postgraduate levels. From a background in sociology and politics, Fudge first became involved in energy and sustainability issues at the University of Surrey in 2006. Projects that he has been involved in since beginning work in the area of sustainability include: RESOLVE (research group on lifestyles, values and environment; BAREENERGY (barriers and opportunities to changing consumer behavior at EU level); UNLOC (understanding local and community governance of energy); CRISP (creating innovative sustainability pathways); and REDUCE (reshaping energy demand of users by communication). He has also been involved in consultancy work, the latest one commissioned by The Association of Manufacturers of Domestic Appliances (AMDEA) into the relationship between technology and behavioural practices around household energy use. Fudge comes from a non-traditional academic background and is on the Board of Directors for the Surrey Lifelong Learning Partnership.

Isabelle Garabuau-Moussaoui has a PhD in social anthropology and has been working as a social sciences researcher at EDF (Electricité de France) R&D for nine years. She is specialised in socio-anthropology of consumption, daily habits and energy-related practices of households and of employees in companies. She is also involved in the UK CISE Project (Community Innovation for Sustainable Energy), funded by ECLEER and EPSRC. She is a trainer for adult classes in different Schools and is a member of the Network Sociology of Consumption and Uses at the French Association of Sociology (AFS). She is series editor at L'Harmattan. In April 2011 she published an article in English in the journal *Energy Efficiency*, 'Energy-related logics of action throughout the ages in France: historical milestones, stages of life and intergenerational transmissions'.

Cheryl Hicks is the team leader for sustainable lifestyles at the Collaborating Centre on Sustainable Consumption and Production (CSCP). At the management level Hicks directs the CSCP's projects on sustainable lifestyles. She has led the EU FP7 Social Platform project, SPREAD Sustainable Lifestyles 2050, which has developed a vision and roadmap for sustainable lifestyle models of the future, as project director. From 2004–10, Hicks worked with leading multinational corporations as the focal point for the World Business Council for Sustainable Development's (WBCSD) work on sustainable consumption and sustainable finance contributing to the WBCSD's 2008–09 scenarios project, Vision 2050. From 2001–04 she focused on the health agenda, and a process for dialogue related to corporate responsibility and impacts on health. From 1995–2001 she held various corporate positions in the areas of sales, marketing, e-business and human resources.

Angela High-Pippert is Associate Professor of Political Science and Director of the Women's Studies program at the University of St. Thomas in St. Paul, MN, US. Her research interests include citizen participation in community energy initiatives and women and politics, with publications in *Energy Policy*, *Carbon Management*, *Bulletin of Science, Technology and Society*, and *Women and Politics*. She is also co-editor of *Perspectives on Minnesota Government and Politics* (with Steven M. Hoffman and Kay Wolsborn). High-Pippert teaches courses in American politics, women and politics, and public policy, and received her university's Distinguished Educator Award in 2005 and 2012. She is past president of the Minnesota Political Science Association.

Steven M. Hoffman is Professor and Chair of the Department of Political Science at the University of St. Thomas, St. Paul, MN, US. He has published books, journal articles and research studies on community-based

energy systems, environmental policy and, most recently, national identity in the newly independent states of East Central Europe. His latest work includes *Power Struggle: Hydro Development and First Nations in Manitoba and Quebec* (with Thibault Martin, 2008) and the last several editions of *Perspectives on Minnesota Government and Politics*. Hoffman has taught courses in environmental and energy policy, urban studies and comparative politics since his arrival at St Thomas in 1987, as well as study abroad and off-campus courses in New Zealand, East Central Europe and the Boundary Waters Canoe Area Wilderness. He has served as a director for a number of local environmental organizations, including Minnesotans for an Energy Efficient Economy, the Higher Education Consortium for Urban Affairs, Clean Water Action, Minnesota and Friends of the Boundary Waters Wilderness. He was recently awarded a University Scholars Grant to undertake research on the rapidly expanding and global exploitation of tar sands.

Michael Kuhndt is Head of the Collaborating Centre on Sustainable Consumption and Production (CSCP). At the management level, he presently directs projects in the fields of sustainable consumption and production and IPP, sustainability performance assessment and management, corporate responsibility and reporting, technology assessment, triple bottom line innovation, product stewardship and the design of strategies based on multi-stakeholder approaches at company, value chain and sectoral levels. Among other projects, he directed the development of the Pro Planet hotspot methodology for the German retailer REWE. Kuhndt has worked with or for a variety of organizations including the United Nations Development Programme (UNEP), the United Nations Industrial Development Organization (UNIDO), the World Bank, the International Labour Organization (ILO), the Global e-Sustainability Initiative, several European retailers and various consumer goods companies and business sector associations. He is a member of the Global Council on Sustainable Consumption at the World Economic Forum and co-chair of the Task Force on Sustainable Consumption and Green Development at the China Council for International Cooperation on Environment and Development.

Helma Luiten MSc, has been working at TNO, the Netherlands since 1998. Currently she combines her research and advisory work in the field of sustainable innovation with the function of Corporate Social Responsibility (CSR) officer. Luiten studied industrial design engineering at the Technical University of Delft. From environmentally friendly product development and innovation she developed towards sustainable system innovations and transitions. From a designers viewpoint she looks

at sustainable innovations, that is, thinking ahead with an open mind and giving concrete form to ideas and consequences. She developed future visions for organizations and facilitated strategy development towards future visions using scenario development, roadmapping and learning trajectories. Luiten has experience with EU projects including the BarEnergy project (2008–10), EMUDE (project leader for TNO, 2004–06) and HiCS (2000–04). In her function as CSR officer she uses her knowledge to lead the implementation of sustainability within the TNO organization.

Ezio Manzini is Professor of Design at the Politecnico di Milano, Italy. Currently, he is Honorary Guest Professor at Tongji University, Shanghai, China, Jiangnan University, China Wuxi and at the COPPE-UFRJ, Rio de Janeiro, Brazil. In 2012 he was Distinguished Visiting Professor at Parsons, the New School for Design, New York, US. The most recent award granted to Manzini is the Sir Misha Black Medal in 2012. Throughout his professional life he has been at the Politecnico di Milano. Parallel to this, he collaborated with several international schools, from Domus Academy (in the 1990s) and to Hong Kong Polytechnic University (in 2000).

Scott Milne is Associate Research Fellow at the Surrey Energy Economics Centre, where he has contributed to scenario analysis of future energy systems and low carbon lifestyles as part of the EPSRC-funded Challenging Lock-in through Urban Energy Systems (CLUES) and ESRC-funded Research Group on Lifestyles, Values and Environment (RESOLVE). Milne was awarded his PhD in 2011 at the University of Surrey, exploring the carbon intensity of UK household consumption through to 2030.

Peter Newman is Professor of Sustainability at Curtin University in Perth, Australia. He is on the Board of Infrastructure Australia and is a Lead Author for Transport on the International Panel On Climate Change (IPCC). His books include *Green Urbanism in Asia* (2013), *Resilient Cities: Responding to Peak Oil and Climate Change* (2009), *Green Urbanism Down Under* (2009) and *Sustainability and Cities: Overcoming Automobile Dependence* (with Jeff Kenworthy), which was launched in the White House in 1999. From 2001–03 Newman directed the production of Western Australia's Sustainability Strategy in the Department of the Premier and Cabinet. In 2004 he was a Sustainability Commissioner in Sydney advising the government on planning and transport issues and in 2006 and 2007 he was a Fulbright Senior Scholar at the University of Virginia, Charlottesville, US. In late 2011 Newman was awarded the Sidney Laker medal by the Planning Institute of Australia (New South Wales) for his contribution to the science and practice of town planning in Australia.

Michael Peters is Lecturer in Energy Policy in the Built Environment in the School of Construction Management and Engineering at the University of Reading, UK, an appointment which began 1 October 2012. His research and teaching focus on energy governance and the policy and practice of reducing energy demand, with a special interest in community-level activities for addressing the complexities of climate change locally. Prior to joining Reading he worked at the University of Surrey, both as a Senior Research Fellow and as a Lecturer in the Centre for Environmental Strategy (CES). This included coordination of research in the ESRC Research Group on Lifestyles, Values and Environment (RESOLVE) on environmental education and community engagement in low carbon social change initiatives. Peters has extensive experience in the use of stakeholder research methods (including focus groups, deliberative workshops and interview techniques) and has presented his work on community engagement in climate change and sustainable energy policy widely at national and international conferences. He was lead editor for a recently published volume entitled *Low Carbon Communities: Imaginative Approaches to Combating Climate Change Locally* (Edward Elgar, September 2010).

Lucia Reisch is Professor for Intercultural Consumer Behaviour and Consumer Policy at the Department of Intercultural Communication and Management, Copenhagen Business School, Denmark. She is also an Honorary Research Professor at the German Institute for Economic Research (DIW) in Berlin and the Zeppelin University Friedrichshafen, Germany. An economist and social scientist by training, she holds a doctorate degree in economics. Her main research focus is on sustainable consumption, intercultural consumer behaviour, consumers and new technologies, consumer policy issues, behavioural economics and corporate sustainability. She is currently involved in several large-scale research projects on consumer behaviour and policy (EU FP6 and FP7) as well as in German and Swedish research projects on sustainable consumption and sustainability policy. She is editor in chief of the *Journal of Consumer Policy* and has more than 200 scientific publications to her name. As a policy consultant she serves on national and international advisory boards. Among various posts she holds is one as a member of the German Council for Sustainable Development, consulting the German government. After the Fukushima event in Japan she was invited, by German Chancellor Angela Merkel to be one of 12 members of the 'Ethics Commission' to advise the German government about Germany's energy future and its pathway regarding nuclear energy.

Eivind Stø received a Mag. art. in political science from the University of Oslo, Norway in 1972. He is presently the Director of Research at the

National Institute for Consumer Research (SIFO). Before joining SIFO in 1989 he was an assistant at the Norwegian Election Programme (1972–76) and a researcher at the Norwegian Fund for Market and Distribution Research (1976–89). He has initiated, participated in and coordinated several European projects. His research interests include consumer complaints, consumer policy, sustainable consumption, energy use and nano technology.

Pål Strandbakken received a Mag. art. in sociology from the University of Oslo, Norway in 1987 on a thesis on the Protestant ethic theory, and a PhD from the University of Tromsø in 2007 on a thesis on product durability and the environment. He has been working at the National Institute for Consumer Research (SIFO) since 1992. His research interests include product durability, energy use, ecological modernization and democratization of science.

Yolande Strengers is Vice Chancellor's Research Fellow at the Centre for Urban Research within the School of Global, Urban and Social Studies at RMIT University, Melbourne, Australia where she leads the Beyond Behaviour Change (BBC) Research Programme with Cecily Maller. Strengers' research is currently clustered around a series of applied projects that draw on theories of social practice to understand the dynamics of social and environmental change, and possibilities for intervening in the trajectories of practices. Energy demand management is a key topic of her research, particularly the impact of new smart technologies and associated strategies on household domestic practices. She holds a PhD in social science (RMIT University), a Masters in Social Science (RMIT University) and a Bachelor of Arts (Monash University). Prior to academia, she worked in the energy and sustainability sectors in communications and media management positions.

Martin van de Lindt joined TNO in 2004 as a senior consultant and researcher on system innovation, transition and transition management within the Strategy and Policy Group. He holds an MSc in human geography from Utrecht University, the Netherlands, with a specialization in regional and urban development, housing and planning, sociology and research methods and techniques, including market research. In his work he applies the concepts of transitions and transition management in different types of projects concerning sustainable energy, the built environment, mobility and consumer behaviour. Besides exploring the relationship between individual behaviour and system behaviour, he is concerned with the development of new methods and techniques based on system and transition thinking. Before joining TNO in 2004 van de Lindt already had

25 years of working experience, during which time he carried out a large number of research and consultancy projects for several Dutch ministries, provinces, municipalities, housing associations and construction companies. On behalf of the Dutch Ministry of Foreign Affairs he advised the cities of Prague and Brno in the Czech Republic, and Wroclaw in Poland for several years on real estate maintenance/refurbish policy and on developing a policy for a sustainable built environment.

Walter Wehrmeyer is Reader in Environmental Business Management at the Centre for Environmental Strategy, University of Surrey, UK. His research interests include organizational approaches to innovation and sustainable development, participatory approaches to decision making and foresighting/backcasting as national strategies towards long-term change, including measurement systems to support benchmarking in these areas. Wehrmeyer was Director of the Entrepreneurship in Technology, IT and Business undergraduate programme, and is Adjunct Professor at the Graduate School of Business, Curtin University of Technology, Perth, Australia and a full member of the Institute of Environmental Management and Assessment. He is general editor of *Greener Management International* and is on the editorial board for the *Journal of Industrial Ecology*. He was awarded the University of Surrey's Vice Chancellor's Award for Teaching Excellence in 2011.