

Programme

Wednesday 16th September 2020, 10:00 – 11:30

Session 3 – Decarbonisation: The role of business and the pathways for the industrial sector

ONLINE SESSION		DECARBONISATION: THE ROLE OF BUSINESS AND THE PATHWAYS FOR THE INDUSTRIAL SECTOR 10:00 – 11:30 MODERATOR: NEIL STRACHAN SPEAKERS: LARS NILSSON, ELENA VERDOLINI, ERWAN SOUTER, MARKUS TRILLING	
		TIME	TOPIC
		10:00 – 10:10	Welcome and Introduction to the session
		10:10 – 10:40	Part 1 – Decarbonisation of the industrial sector from H2020 project perspectives
		10:10 – 10:20	INNOPATHS <i>Elena Verdolini, EIEE</i>
		10:20 – 10:30	REINVENT <i>Lars Nilsson, Lund University</i>
		10:30 – 10:40	Q&A <i>Elena Verdolini and Lars Nilsson</i>
		10:40 – 11:00	Part 2 – What is the role of business in decarbonisation?
		10:40 – 11:00	Presentation of the DEEDS Business Guide <i>Erwan Saouter, WBCSD</i>
		11:00 – 11:30	Part 3 – Finance and Investment
		11:00 – 11:10	Presentation on the financial instruments available <i>Markus Trilling, CAN Europe</i>
		11:10 – 11:30	Panel Discussion and Q&A <i>Elena Verdolini, Lars Nilsson, Erwan Saouter, Markus Trilling</i>

Speakers and Presenters: Decarbonisation: The role of business and the pathways for the industrial sector



Neil Strachan, Professor in Energy Economics and Modelling, University College London

Professor Neil Strachan is an interdisciplinary energy economist. He is the Director of the University College London UCL Energy Institute (www.ucl.ac.uk/bartlett/energy), where he is Professor of Energy Economics and Modelling. He received his PhD in Engineering and Public Policy from Carnegie Mellon University in 2000. At the UCL Energy Institute, Neil's research interests revolve around energy-environment-economic modelling, the quantification of scenarios and transitions pathways, and interdisciplinary issues in energy economics and policy. Over the last 10 years he has been principal or co-investigator on research projects worth £15 million. This included as principal investigator of the Whole Systems Energy Modelling Consortium (wholeSEM), the UK's ground breaking multi-institution initiative to develop, integrate and apply state-of-the-art energy models (www.wholesem.ac.uk). He is the author of over 60 peer reviewed journal papers, and over 100 book chapters and technical reports.

He has led a decadal collaboration applying energy systems models to underpin UK Governmental energy policy analysis. He was a lead author of the Energy Systems chapter of the IPCC's 5th Assessment Report. He is a non-executive director of the Energy Systems Catapult (<https://es.catapult.org.uk>).



Lars Nilsson, Professor of Technology and Society, Lund University

Lars J. Nilsson has a MSc degree in Engineering Physics and a PhD in Environmental and Energy Systems Studies. He has supervised more than 20 PhD students and has 30 years of experience in the fields of energy efficiency and renewable energy, energy and transport systems, as well as energy and climate policy analysis. Recent research has been on different aspects of low carbon transition policy strategies and governance. A topical field of research is low carbon transitions in the basic materials industry and co-evolution with energy system transitions in the perspective of circular economy, industrial development and innovation policy strategies. He teaches on climate science and politics, energy policy and governance at the Faculty of Engineering, Lund University.



Elena Verdolini, Senior Scientist, EIEE

Elena is Senior Scientist at EIEE and Assistant Professor (tenure track) in Political Economy at the Law Department, Università degli Studi di Brescia. She holds a degree in Political Science from the University of Pavia, a Master of Public Administration and a Master of Arts in International Studies from the University of Washington, Seattle and a PhD in Economics and Finance of the Public Administration from Università Cattolica del Sacro Cuore, Milan. Her main interest is in applied analysis, with a focus on the dynamics of innovation, technology transfer, green growth, and the economic impacts of environmental and energy policies. Elena has been involved in several

internationally funded research projects (INNOPATHS, CD-LINKS, ENTRACTE, ICARUS among others). Most recently she has been awarded a 5-year European Research Council Grant for the project 2D4D "Disruptive Digitalization for Decarbonization", in which she will research the energy and socio-economic implications of three key digital technologies in three hard-to-decarbonize sectors: Additive Manufacturing in Industry, Mobility-as-a-Service (MaaS) in transport and Artificial Intelligence in buildings. Elena is a Lead Author of the 6th Assessment Report of the IPCC in Working Group III.



Dr Erwan Saouter, Climate and Energy Director, World Business Council for Sustainable Development

Dr Erwan Saouter is currently Climate & Energy director at the World Business Council for Sustainable Development (WBCSD).

He leads the work on decarbonisation and natural carbon solutions (NCS) to help WBCSD's members to achieve net zero carbon emissions by 2050. Previously, he worked for the European Commission Joint Research Center from 2013 to 2019. He is an expert in carbon footprint, life cycle assessment, life cycle thinking, with a special focus on ecotoxicology, risk assessment of chemicals and chemical regulations (REACH, CLP...). He has an extensive experience in public external relations, dealing with industry associations, governments, and media. He spent the majority of his career working first for a multinational consumer good company (Procter & Gamble) and then as founder and managing director of his own business: 'Science & Environment' and 'Biocomp-Nepal' a green for profit company during 6 years. He has published more than 60 scientific articles in scientific magazines and books.



**Markus Trilling, Finance and Subsidies Policy Coordinator,
Climate Action Network (CAN).**

Markus became Finance and Subsidies Policy Coordinator at CAN Europe in autumn 2016. While aiming to bring national fossil fuel subsidies issues to the EU level, main objective of his advocacy, research, monitoring and coordination efforts is to shift EU public financing - in particular from the EU budget, the European Fund for Strategic Investments and the European Investment Bank - away from fossil fuels and thus towards catalyzing the transition to 100% renewable and fully energy efficient economies. In his previous occupation, since 2010, Markus was leading on the campaign on greening EU funds for CEE Bankwatch Network. Markus holds a diploma in Economics from the University of Augsburg (Germany) and a Master in European Studies from the Technical University Aachen (Germany), Universidad de Santiago de Compostela (Spain) and Université de Liège (Belgium).