

CCUS 2019: Capturing the Clean Growth Opportunities Speaker Biographies

Opening Plenary

Chair: Baroness Liddell of Coatdyke, President of the CCSA



Helen Liddell has been Chair of Annington Ltd since May 2017. A former economics correspondent with the BBC and after a commercial career in newspaper management and new business formation, she entered Parliament in 1994, becoming Economic Secretary to the Treasury in 1997.

Having held a number of high-profile Ministerial posts, she entered the Cabinet in 2001 as Secretary of State for Scotland. In 2005 she became British High Commissioner to Australia.

On return to the UK, Helen entered the House of Lords as Baroness Liddell of Coatdyke in 2010. She has held a number of NED appointments and currently serves on the advisory council of PWC, the advisory council to the PM on Business appointments and has a number of charitable and other roles.

Keynote Address: Liv Hovem, CEO Oil and Gas, DNV-GL



Liv Hovem has been CEO of DNV GL's Oil & Gas business area since January 2018.

She has experience from several managerial roles in DNV GL, most recently as Regional Manager for Continental Europe, Eurasia, Middle East, India and Africa in Oil & Gas.

She has served as board member in several research and innovation related institutions. She currently serves on the Board of the NTNU Research Centre AMOS – Centre for Autonomous Marine Operations and Systems.

Liv's technical background is risk and probabilistic modelling, hydrodynamics and strength of ships and offshore structures.

She has a MSc in Naval Architecture and Offshore Engineering from UC Berkeley and a MSc in Civil Engineering from the Norwegian Technical University.

The Opportunity for Leadership

Steinar Eikaas, Vice President of Low Energy Solutions, Equinor



Steinar Eikaas is heading up Low Carbon Solutions in Equinor, responsible for Carbon Capture and Storage (CCS) and Hydrogen Solutions. Steinar has worked for 25 years in Equinor (former Statoil) and has previously held senior positions within international business development. He holds a Master of Science from The Norwegian School of Business and Administration (NHH).

Chris Stark, CEO, Committee on Climate Change



Chris Stark is the Chief Executive of the UK Committee on Climate Change, the public body tasked by the Climate Change Act to be the independent authority on tackling climate change. Chris leads a team of analysts and specialists, offering expert insight into the challenges of reducing emissions and adapting to the changing climate.

Chris has wide experience in government. He has designed economic policy in Whitehall, including in HM Treasury and the former Department for Business, Innovation and Skills. He was previously Director of Energy and Climate Change in the Scottish Government, leading the development of the Scottish energy and climate strategies. Chris speaks regularly on the transition to a zero carbon economy and the need to confront climate change with urgency.

Nick Molho, Executive Director, Aldersgate Group



Nick is the executive director of the Aldersgate Group, a cross-economy organisation whose business members have a collective global turnover of around £550bn. The work of the group focuses on developing policy positions to tackle major environmental challenges in a way that is environmentally effective and can deliver economic benefits. The group's work covers a wide range of environmental policy issues including climate and energy policy, resource efficiency, natural capital and green finance.

Prior to joining the Aldersgate Group in 2014, Nick was the Head of Climate Change and Energy Policy for four years at environmental NGO WWF-UK. Prior to that, Nick spent six years working as an environmental and energy lawyer with global law firm CMS.

Mike Smith, CEO, NECCUS



Mike Smith is the incoming CEO of NECCUS, an alliance of industry, academia and government with unparalleled experience in Carbon Capture, Usage and Storage (CCUS). NECCUS will enable the development of the first industrial scale CCUS project in Scotland, through advocacy, industrial and public engagement, communication and education. Supporting an effective transition to Net Zero through deployment of CCUS, production of hydrogen from methane with CCS, and promoting clean industrial growth zones across the UK.

Mike has extensive leadership experience in the Energy sector. He has recently held senior leadership roles at INEOS and Orsted, with exposure to Oil & Gas and the Renewable industry. During over 10 years at Orsted, one of the world's leading green companies and largest offshore wind developers, he participated in the journey of that company from a coal-fired energy and oil & gas producer to a leader in onshore / offshore windfarms and bioenergy.

The Opportunity for Investment

Chair: Paul Davies, Chair, CCUS Advisory Group



Paul Davies is Chair of the CCUS Advisory Group; a cross-industry, public-private group convened to help develop the detailed business models and accompanying legal and regulatory governance to accelerate the development of CCUS clusters across the UK.

After working as a project financier at HSBC, Paul was a project finance partner at PricewaterhouseCoopers for 20 years, advising on some of the largest UK projects, advising Government, the private sector and regulated utilities. Since leaving PwC three years ago, Paul has chaired Storelectric, a grid-scale electricity storage company, advised DfT, Highways England and the CAA on the regulation of Heathrow.

He established the CCUS Advisory Group at the beginning of 2019, which delivered its business model report in July to back up BEIS's CCS consultation which were launched together.

Colin McGill, Low Carbon Appraisal General Manager, BP



Colin manages the early stages concept and design of low carbon projects in BP. He is currently leading the appraisal and design of Net Zero Teesside (formerly the Clean Gas Project) on behalf of the Oil and Gas Climate Initiative.

Colin joined BP as a reservoir engineer in 1989 with a bachelor's degree in physics from the University of Cambridge, and a doctorate in theoretical physics from Oxford. Colin has worked in a number of technical and managerial roles in his 30-year career, including project leadership roles for Angola, Azerbaijan, The North Sea and North Africa.

Andrew Doyle, Executive Director, Power and Renewables Project Finance MUFG



Andrew joined MUFG in March 2011 following the acquisition of a US\$5bn project finance portfolio from RBS.

Andrew has over 12 years of project finance experience covering large thermal power and renewables projects across the UK and Europe, Middle East IWPPs & IWPs and offshore wind transmission projects. Andrew has experience of taking leading roles in transactions having recently acted as Documentation Bank on Sweihan PV project in Abu Dhabi (the largest solar PV project globally). In addition, Andrew acted in the same capacity for the Fadhili CHP project in Saudi Arabia and the Sharqiyah IWP in Oman. Andrew has significant experience in European thermal IPPs including acting as Documentation and Co-ordination Bank on the Kilpilahti CHP project in

Finland, the T-Power CCGT project in Belgium and the merchant financings for Severn Power and Rugeley projects.

In 2009, Andrew was seconded to the UK Department of Energy and Climate Change ("DECC"), where he provided advice to Ministers on the impact of the credit crunch on energy financing. While at DECC, Andrew was instrumental in the development of a new Intermediated Lending Scheme for Onshore Wind projects between the EIB and major commercial lenders.

Bryony Livesey, Challenge Director (Interim), Industrial Decarbonisation Challenge UKRI



Bryony is the Challenge Director (Interim) for the Industrial Decarbonisation Challenge Fund, which forms part of the Industrial Strategy Challenge Fund. She was previously Head of Research and Technology at Costain, with responsibility for the identification and development of new technology. She was a member of BEIS' CCUS Cost Challenge Task Force, a Director of the CCSA (where she co-chaired the Technical Working Group) and chairs the Independent Advisory Panel for the UKCCSRC.

Prior to Costain, she was head of the R&D centre for Doosan Babcock, where she established their global R&D Centre, focussing on clean energy. Bryony previously worked for AEA Technology, leading technology and innovation in senior management roles both in the UK and internationally.

Charlotte Morgan, Energy and Infrastructure Partner, Linklaters



Charlotte is a partner in the Global Energy and Infrastructure Group at Linklaters in London. She has a wide range of experience in the regulated utilities sector, with a particular specialism in regulated assets in the water, energy and transport sectors.

Charlotte chaired the Carbon Capture Utilisation and Storage Cost Reduction Taskforce at the request of the Energy Minister, Claire Perry. She is author of the report published in June 2018 on a new regulatory structure for CCUS. She sits on the CCUS Council chaired by the Minister. She is also currently a member of the CCUS Action Group which follows up from the CCUS Taskforce.

She also recently led the projects and commercial workstream on the Green Finance Taskforce which reported in March 2018 and continues to be a member of the Green Finance Taskforce.

Quick Fire Innovation

Sam French, Business Development, Johnson Matthey



Sam currently works in Business Development at Johnson Matthey, leading the development of the strategy and programme for Low Carbon Hydrogen.

Previous roles at Johnson Matthey include Technology Manager for the steam reforming catalyst and technology R&D team. After moving from R&D into Business Development, he was tasked with developing a portfolio of new opportunities for processes from new feedstocks, such as biomass, waste and renewable energy.

Sam represents JM on the Hydrogen Council Executive Group, as well as a number of other organisations focused on solutions to decarbonisation.

Neville Hargreaves, Vice President, Waste to Fuels, Velocys



Neville is responsible for Velocys' waste to fuels business, including the commercial, financial and corporate development of the Altalto waste-to-jet-fuel project in the UK. This project is planned to take half a million tonnes of municipal and commercial solid waste, otherwise destined for landfill or incineration, and use it to make clean sustainable jet fuel.

Neville's 30 years of industrial experience includes a wide range of technical and commercial roles over 12 years at Exxon, as well as four years with Bain and Company, the strategy consulting firm. He has led teams to deliver complex projects with many stakeholders across global public companies, brought over 70 new products to market, led two small businesses and launched a successful innovation programme for the UK government. He holds an MA in chemistry from Cambridge University and a PhD from University College London, and is a Fellow of the Royal Society of Chemistry.

Phil Hodgson, Managing Director and CEO, Calix



Phil joined Calix as CEO in 2013, was appointed a Director in 2014, and is a member of Calix's Technology Committee. Phil has a technical and commercial background from a successful career with Shell, where for over 14 years he developed significant depth of experience across all key sectors of the Downstream oil industry including refining and supply, marketing and sales, pricing strategy, risk management, corporate strategy and mergers and acquisitions.

From 2007 to 2013, Phil ran his own consultancy providing project development, commercial and M&A, and management expertise to a number of sectors including LNG, Biofuel, Clean Coal, Geothermal Energy, Building Products, Logistics and fast moving consumer goods. Phil holds a Bachelor of Chemical Engineering with Honours (University of Sydney) and a PhD in Chemical Engineering (University of NSW).

Helen Atkinson, Business Development Manager, C-Capture



Dr Helen Atkinson is business development manager at C-Capture. A background in engineering and atmospheric chemistry paved Helen's way to a PhD in environmental sciences with the British Antarctic Survey and the University of East Anglia. Subsequently Helen worked for 5 years as an engineer before moving into business management and studying towards an MBA. Helen now helps manage the commercial side of the business at C-Capture including managing projects, communications, PR and marketing.

The Opportunity for Businesses and the Supply Chain

Chair: Vicky Copeman, Senior Partner, ERM



Vicky is a partner with Environmental Resources Management. She has worked with the Energy sector for over 20 years, primarily with large companies that rely on major capital projects, often in challenging social and environmental contexts.

Whilst her technical background is in social performance and stakeholder engagement, increasingly Vicky is working with senior leaders in these companies as they work through the challenges of the energy transition, assisting them to understand the value that can be either lost or derived through sustainability, and supporting them to integrate social performance and sustainability considerations more deeply within their company DNA.

Vicky leads ERM's services to the Energy Sector in Northern Europe and is ERM's representative to the Carbon Capture and Storage Association.

Martyn Link, Group Head Strategy and Analysis, Wood



Martyn's passion is to help individuals and companies to think and act more strategically.

Martyn is leading Wood's energy transition mega-trend as well as being Head of Strategy for the company. Martyn has been at the centre of the transformational changes that have driven Wood to become the UK's largest engineering and construction service company and a key enabler of the global energy transition.

Martyn began his career in science, completing degrees in Physiology and Type 2 Diabetes at Edinburgh University. In his 7 years at Wood Mackenzie as a Principal Analyst he focused on market intelligence and strategy development within the Pharmaceutical and Biotech industry. Martyn subsequently worked with an innovation fund focussed on breakthrough healthcare technology before joining Wood in 2011.

Stuart Broadley, CEO, Energy Industries Council



Stuart is Chief Executive of the EIC, the Energy Industries Council. Prior to joining EIC in 2016, Stuart enjoyed a successful 25-year career leading global O&M businesses in oil & gas, power and renewables with Rolls-Royce, Wood, Servion and Hoerbiger.

Passionate about exporting and energy transition, Stuart is author of the renowned Survive & Thrive annual report which highlights successful growth strategies in a downturn and is co-founder of business scale up programme Fit4Energy. Stuart has various non-executive director roles including with the Brazilian Chamber of Commerce in UK and the Nuclear Innovation & Research Advisory Board. In 2019, Stuart was invited to become a Fellow of the Energy Institute.

Emily Wilson-Gavin, External Affairs Manager, Cadent Gas



Emily has more than a decade's experience in Government relations, specialising in governance, policy making and implementation for the energy and transport industry sectors. Through this she has built a proven track record of developing strong and progressive relationships with policy makers, legislators and Government officials at devolved, national and European level. Having worked in the public sector, on behalf of a national off-grid industry body and now for the gas network Cadent, she has a comprehensive understanding of decarbonisation and infrastructure policy and the associated challenges and opportunities facing the industry from multiple perspectives.

Guloren Turan, General Manager - Advocacy & Communications, Global CCS Institute



Guloren Turan is responsible for the Global CCS Institute's Advocacy team globally, including its international climate policy activities focused on the UNFCCC and its related bodies. Guloren has extensive experience in the energy and climate fields. From 2015 to 2017, Guloren led the Government Affairs activities at the Trans-Adriatic Pipeline.

Prior to this she held a number of roles over the course of 9 years at BG Group, including Head of Climate Change Strategy, Head of Business Risk for the Group and Lead Corporate Strategist.

Guloren holds a Master's Degree in Public Administration from Harvard Kennedy School of Government, an MBA from Cornell University and BSc Industrial Engineering from Istanbul Technical University.

What's Needed Next?

Chair: Regina Finn, Chair, Low Carbon Contracts Company



Regina is the Chair of the Low Carbon Contracts Company (LCCC) which, along with its sister company the Electricity Settlement Company (ESC), plays a critical role in the delivery of the UK's clean, sustainable, affordable energy goals. LCCC is the independent counterparty for the Contract for Difference (CfD), the Government mechanism that underpins critical new investment in low carbon generation. ESC ensures payments under the Capacity Market (CM), the system that makes sure there is sufficient generation capacity to keep the lights on across Great Britain in times of stress.

Her 25 years' experience of utility regulation includes seven years as the first Chief Executive of Ofwat, the water regulator for England and Wales; heading the Office of Utility Regulation in Guernsey; being a Commissioner for Energy Regulation in Ireland; and acting as Deputy Director and Head of Market Operations at the ODTR (now ComReg), Ireland's first economic regulator for telecommunications.

Karl Smyth, Group Head of Policy and Government Relations, Drax



Karl Smyth is Head of Policy and Government Relations at Drax Group plc, which owns and operates a portfolio of flexible, low carbon and renewable electricity generation assets across Britain. In his role he has primary responsibility for the company's policy development across its generation and retail businesses. Prior to joining Drax, Karl spent several years in consultancy advising a number of energy clients on energy policy, political engagement and strategic communications. Karl is a board member and vice-chair of the Carbon Capture and Storage Association.

Chris Manson-Whitton, Director, Progressive Energy



Chris is a Director of Progressive Energy and an expert in the low carbon energy sector with a particular focus on deployment of emergent technologies. His role encompasses project development as well as strategic and due diligence advisory services, and includes hydrogen, carbon capture and storage as well as waste and renewables. Chris formulated the HyDeploy project with Cadent and NGN, and is project managing its delivery. With Cadent, Progressive has developed and is delivering HyNet North West.

Theo Mitchell, Senior Advisor to the Bellona Foundation



Theo Mitchell is a Senior Advisor to environmental NGO the Bellona Foundation, where he is working to establish the UK's largest NGO campaign on industrial decarbonisation to date. Encompassing everything from economic analysis and policy advocacy through to communications and political engagement, Bellona's programme aims to put net zero industrial strategy at the heart of UK efforts to tackle climate change and ensure that government's CCUS policy is as socially-just and environmentally-robust as possible.

Formerly Head of Office for Ian Duncan MEP, Theo has played a major role in shaping European climate and energy policy. He chaired technical dialogue negotiations between the EU institutions on phase IV of the Emissions Trading System and was heavily involved in developing the European Parliament positions on COP23.

Closing Remarks

Luke Warren, Chief Executive, Carbon Capture and Storage Association



Luke Warren is the Chief Executive at the Carbon Capture and Storage Association (CCSA) and started his current position in October 2013. He joined the CCSA in 2009.

Luke has worked on a wide range of CCS policy issues for the association, including UK Electricity Market Reform, CCS regulations, European CCS activities as well as international bodies working on CCS and climate change issues. In his role he has provided evidence to Governments, developed multiple papers and spoken widely on CCS matters. He is regularly invited to participate in various national and international activities and groups that promote CCS as a response to concerns over climate change. Prior to joining the CCSA Luke worked in a number of positions in the energy industry.

Luke has a PhD in Biological Sciences from University College London and a Degree in Environmental Sciences from Queen Mary, University of London.