



Government
Events

The National Climate Change Conference 2021

Wednesday 27th January 2021

Event Guide





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For this Conference, you are entitled to 8 CPD points.



Welcome Letter

Dear Delegate,

Welcome to The National Climate Change Conference 2021.

In December 2020, the UK Government announced that the UK will aim to cut carbon emissions by at least 68% of what they were in 1990 by the end of 2030, meaning the UK plans to reduce emissions by 2030 faster than any other major economy. The 2020 Decarbonising Transport policy supports this, complementing existing initiatives across the UK. The Committee on Climate Change has welcomed the government's aim to cut emissions by 68% by the end of 2030 and has highlighted that the Covid-19 recovery effort presents an opportunity to invest in green infrastructure and low-carbon jobs as we develop new ways to live and work.

- As part of the Covid-19 relief effort, the Government has announced £2 billion investment in cycling and walking initiatives
- The total net domestic greenhouse gas emissions from all UK sectors in 2018 was 451 million tonnes of CO2 equivalent, down 2.1% from 2017
- Transport is the largest contributor to UK domestic greenhouse gas emissions, contributing 28% of UK domestic emissions in 2018, a rise of 4% since 2013
- In July 2019, the UK recorded its highest ever temperature of 38 degrees Celsius
- The London School of Economics has found that it is economically feasible for UK emissions to be cut by 72%

At The National Climate Change Conference 2021 you will hear the latest updates and environmental initiatives across the UK. Hear best practice case studies demonstrating successful and innovative approaches to implementing green infrastructure, housing and transport.

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We hope you have a rewarding and enjoyable day.

Yours Truly,

David Blake
Government Events



Agenda AM

09:30-10:00 **Online Registration**

10:00-10:10 **Chair's Welcome Address**

Dr Michael Obersteiner, Director, Environmental Change Institute, University of Oxford

10:10-10:25 **Opening Remarks**

Professor Sir David King, Founder and Chair of the Centre for Climate Repair University of Cambridge, UK
Government Chief Scientific Adviser, 2000-2007, and the Foreign Secretary's Special Representative on
Climate Change, 2013-2017

10:25-10:55 **Icebreaker Session**

10:55-11:10 **Comfort Break**

11:10-11:30 **Keynote Address: Building Resilience along a Pathway to Net Zero**

Professor Jason Lowe OBE, Head of Climate Services, Met Office

11:30-12:00 **Keynote Address: Delivering Net Zero**

Dr David Joffe, Head of Carbon Budgets, Climate Change Committee

12:00-12:20 **Questions and Answers**

12:20-13:05 **Lunch Break**

*Programme Subject to Change



Agenda PM

13:05-13:25

Case Study: The Energy Superhub Oxford: Decarbonising Oxford through Green Infrastructure

Cllr Tom Hayes, Cabinet Member for Zero Carbon Oxford, Oxford City Council

13:25-13:45

Case Study: Achieving the 'Certified Sustainable Housing Label' as a Housing Association

Will Ray, Head of Sustainability, Clarion Housing Group

13:45-14:05

Questions and Answers

14:05-14:50

Panel Discussion: Decarbonising Transport Initiatives

Professor Liana Cipcigan, Research Theme Leader – Sustainable Transport, School of Engineering, Cardiff University and Principal Investigator, DTE Network +, Lucy Atkinson, Sustainability Project Manager, City of York Council, Dave Atkinson, Head of Programmes and Smart Place, City of York Council, Professor Greg Marsden, Professor of Transport Governance, University of Leeds, and Network Director, Decarbon8

14:50- 15:05

Comfort Break

15:05-15:25

Keynote Address: Climate Change: The Opportunity for Defence

Lt Gen Richard Nugee CB CVO CBE, Ministry of Defence

15:25- 15:45

Case Study: Birmingham's Route to Zero

Maria Dunn, Head of Development Policy, Birmingham City Council

15:45- 16:05

Case Study: Developing Sustainable Models of Healthcare

Rachel Stancliffe, Founder and Director, Centre for Sustainable Healthcare

16:05- 16:25

Questions and Answers Session

16:25

Chair's Summary and Close

*Programme Subject to Change



Speaker Biographies (A-Z)

Dave Atkinson

Head of Programmes and Smart Place, City of York Council

Dave is the Head of Programmes and Smart Place at City of York Council and has a track record of delivering Transformation and Innovation. Leading the talented Smart Place team at York includes the DfT funded Smart Transport Evolution Programme (STEP - This seeks to put in place the platform for York to be a leading City for Connected and Autonomous Vehicles on the back of the council's hugely successful Digital City work), future mobility, Citywide energy planning and Smart City business case development. He has over 20 years' experience in national, regional and local government including Policy, Strategy, Programmes, Business Intelligence, ICT, Transport, Economy, Sustainability, Waste and has an MSc in Geographical Information Science.

Lucy Atkinson

Head of Programmes and Smart Place, City of York Council

Lucy is the Sustainability Project Manager at the City of York Council, managing the council's participation in the Department for Transport's e-scooter trials, and part of a team looking at new and innovative forms of sustainable and active transport. She also works with colleagues who lead on York council's major projects, providing support to ensure projects are delivered in line with the council's ambition to be carbon neutral by 2030. These projects include large-scale city centre regeneration programmes, housing delivery and transport schemes. She has previously worked in Defra's farming evidence team, engaging with farmers on policy proposals for a new domestic agricultural policy and have an MSc in Sustainability and Business.

Maria Dunn

Head of Development Policy, Birmingham City Council

Maria is a Chartered Town Planner with over 14 years experience in the public sector. Having previously held policy roles at Wyre Forest District Council and Worcester City Council, Maria joined Birmingham City Council in January 2020 as Head of Development Policy.

Maria's current role includes leading planning policy, economic policy, sustainability policy and transport policy for Birmingham. Maria chaired RTPi West Midlands in 2018 and is a member of the RTPi West Midlands Regional Management Board. Maria was named the West Midlands Young Planner of the Year in 2013, was shortlisted for the national Young Planner of the Year in 2014 and was featured in The Planner's Women of Influence in 2019.

Cllr Tom Hayes

Cabinet Member for Zero Carbon Oxford, Oxford City Council

Tom is Oxford City Council's Deputy Leader and Cabinet Member for Green Transport and Zero Carbon Oxford. In this role, he has developed Oxford's Citizens' Assembly on Climate Change, a £19m budget to implement its recommendations, and measures to create Britain's first net zero carbon council by 2020. He is taking forward Oxford's Zero Emission Zone to restrict polluting vehicles and Connecting Oxford plans to reduce traffic. Tom has ultimate responsibility for the development of partnerships to achieve a carbon neutral Oxford.

First elected to the City Council in 2014, then re-elected in 2018, Tom lives in the ward that he represents and is a Governor at Oxford Health NHS Foundation Trust. Away from the Council, Tom is Chief Executive of Elmore Community Services, a charity which works with people with multiple and complex needs.

He holds degrees from the Universities of Manchester and Cambridge and was a Fox International Fellow at Yale University.

Dr David Joffe

Head of Carbon Budgets, Climate Change Committee

David is the Head of Carbon Budgets at the Climate Change Committee, where he's worked since 2007. He oversees the Committee's advice on the levels of UK carbon budgets, as well as the pathways to meet these and the Net Zero target. He oversaw the scenarios analysis and recommendations for the CCC's recent advice on the Sixth Carbon Budget that sets out five pathways to Net Zero for the UK.



David oversees the CCC's energy system analysis and led the CCC's Hydrogen Review in 2018. He has a PhD on hydrogen infrastructure from Imperial College London.

Sir David King

Founder and Chair of the Centre for Climate Repair University of Cambridge, UK Government Chief Scientific Adviser, 2000-2007, and the Foreign Secretary's Special Representative on Climate Change, 2013-201

Professor Sir David King is Emeritus Professor of Chemistry, University of Cambridge; Founder and Chair of the Centre for Climate Repair in the University; an Affiliate Partner of SYSTEMIQ Limited; and Senior Strategy Adviser to the President of Rwanda. He served as Founding Director of the Smith School of Enterprise and the Environment at Oxford University, 2008 -2012, Head of the Department of Chemistry at Cambridge University, 1993-2000, and Master of Downing College Cambridge 1995-2000.

He was the UK Government Chief Scientific Adviser, 2000-2007, the Foreign Secretary's Special Representative on Climate Change, 2013-2017, and Chair of Future Cities Catapult, 2012-2016. He has travelled widely to persuade all countries to take action on climate change. He initiated an in-depth risk analysis approach to climate change, working with the Governments of China and India in particular, and initiated a collaborative programme, now known as Mission Innovation, to create a £23bn pa research and development international exercise, which involves 22 countries and the EC, to deliver all technologies needed to complete the transition into a fossil-fuel-free world economy.

He was born in Durban, educated at St John's College Johannesburg and at Witwatersrand University, graduating in Chemistry and a PhD in physical chemistry. He has received 23 Honorary Degrees from universities around the world.

As Govt Chief Scientific Adviser he raised the need for governments to act on climate change and was instrumental in creating the British £1 billion Energy Technologies Institute. He created an in-depth futures process which advised government on a wide range of long term issues, from flooding to obesity. He was Member, the President's Advisory Council, Rwanda, and Science Advisor to UBS, 2008-12

He has published over 500 papers on surface science and catalysis and on science and policy, for which he has received many awards, medals etc. and 23 honorary degrees from universities around the world.

Elected Fellow of the Royal Society in 1991; Foreign Fellow of the American Academy of Arts and Sciences in 2002; knighted in 2003; made "Officier dans l'ordre national de la Légion d'Honneur" in 2009.

Professor Jason Lowe OBE

Head of Climate Services, Met Office

Professor Jason A. Lowe OBE has over 20 years' experience as a climate researcher and research leader, contributing to over 200 publications on a diverse range of subjects relevant to both climate mitigation and adaptation. Jason is Head of Climate Services at the Met Office and recently led the 2018 UK Climate Projections project, which developed innovative new climate scenarios for the UK, and is now being used extensively in the latest UK Climate Change Risk Assessment. Internationally, Jason has contributed to all three working groups of the Intergovernmental Panel on Climate Change (IPCC), and many UN climate reports.

Jason is the scientific coordinator of European Climate Prediction (EUCP) system, which is examining how to better use climate projection information, and leads the Met Office science in a new joint UKRI-Met Office programme on climate risks and resilience. He also works closely with Government departments such as BEIS and Defra – and set up a new approach for the translation of climate science to policy relevant information within the Met Office. His particular research interests include: thresholds and linearity of the climate system; development and constraint of climate scenarios; sea-level rise; climate impacts and risk; and communication of climate for policy. In addition to his Met Office role, Jason is also Chair in Interdisciplinary Climate Research in the Priestley International Centre for Climate at the University of Leeds. Jason was awarded an OBE in the Queen's Birthday Honours list 2020 for his "services to climate change."

LT Gen Richard Nugee

CB CVO CBE, Ministry of Defence

Lieutenant General Richard Nugee was commissioned into the Army in 1986. He served on numerous operational tours in Northern Ireland, Bosnia, Kosovo, Iraq, Cyprus and Afghanistan while at the same time focussing on personnel (HR) roles within the Army and Ministry of Defence. This included instructing at the Joint Services Command and Staff College and latterly spending the last 4 years as Chief of Defence People (i.e. Defence Global HR Director) responsible for central policy for all Service personnel, their families, all Defence Civil Servants and the nation's veterans. In March 2020 he took on a review of Defence's approach to climate change.



Appointed MBE in 1998, CBE in 2012, CVO in 2016 and CB in 2020, he was awarded the US Legion of Merit for his services in Afghanistan in 2014. He has numerous interests both within Defence and outside. He is a Fellow of the Royal Geographical Society, a Chartered Fellow of the CIPD, a Companion of the Chartered Management Institute, has an MA in Military Affairs and is a Graduate of the City and Guilds Institute. He is Chair and Trustee of a number of charitable trusts.

Michael Obersteiner

Environmental Change Institute, University of Oxford

Michael Obersteiner has recently been appointed director of the Environmental Change Institute at Oxford University. He has joined the institute from the International Institute for Applied Systems Analysis (IIASA), where he built and directed the Ecosystems Services and Management (ESM) Program. Michael is a highly cited researcher publishing in wide scope of academic disciplines ranging from global studies of ecosystem change to climate economics and finance. Under his leadership, several national and international organizations, including the European Commission, WWF, OECD, and other national and international institutions have received science-based policy advice using quantitative modeling techniques. He has written some of the foundational papers on the role of negative emission technologies in climate risk management.

Will Ray

Head of sustainability, Clarion Housing Group

Will is Head of Sustainability for Clarion Housing Group and leads the development and implementation of their sustainability strategy. He has 20 years' experience at the cutting-edge of sustainability, low carbon buildings and market transformation internationally. From designing low energy buildings through to developing corporate sustainability strategies, he has successfully worked across the public and private sectors on projects that have helped push the Sustainability agenda forward. Most recently, Will helped Clarion to be the first UK housing group to attain the Sustainable Housing Label and is working on Clarion's plans to retrofit homes and meet the zero carbon challenge.

Rachel Stancliffe

Founder and Director, Centre for Sustainable Healthcare

Rachel has a first degree in Human Sciences from Oxford where her interest in systems thinking and population health was stimulated by Muir Gray. Her interest has always been in working across disciplines on complex problems.

Following an MSc in Demography from the LSE, which improved her quantitative skills, she worked in public health in the UK on population profiles and needs assessments using census data. She then spent 5 years in Moscow, Georgia and Kazakhstan where she worked for Save the Children, The Norwegian Refugee Council, UNDP, Unicef and the Red Cross on projects including capacity building for the government, running household surveys and writing the Human Development Report.

Moving back to Oxford, she helped to develop The Cochrane Library for its first ten years which gave her a thorough understanding of evidence-based medicine, an appreciation of the importance of methodology, and practical experience of how to integrate evidence with healthcare guidelines and policy.

Rachel has been working on the intersection of health and the environment for the past 12 years since she founded The Centre for Sustainable Healthcare (CSH) in 2008. She remains interested in the best use of good quality evidence and in creative partnerships to achieve change. Her team at CSH is supporting healthcare in the UK and internationally to take a leading role in transforming healthcare for a sustainable future.

She is also a founding Director of the Community Interest Company, Global Healthcare Information Network and is on several Boards.



Delegate List

Airbus Defence & Space Ltd (1844), UK Environmental Advisor
Babergh District Council, Assistant Director – Environment and Commercial
BAE Systems, Head of Investment Programmes
Bassetlaw District Council, Climate Change Officer
Bidfood, Property & Compliance Manager
Blackpool Council, Cabinet Member for Climate Change and Environment
Cheshire Constabulary Headquarters, Environment & Sustainability Manager
Cheshire Constabulary Headquarters, Head of Estates and Facilities
Colchester Borough Council, Sustainability and Climate Change Manager
Darlington Borough Council, Sustainability and Climate Change Lead Officer
Darlington Borough Council, Leader of Darlington Borough Council
Defence Science and Technology Laboratory, Environment Business Partner
Electricity North West, Decarbonisation Officer
Environment Agency, New and Operational Sites Manager
Environment Agency, Senior Advisor
FALKIRK COUNCIL, CLIMATE CHANGE OFFICER
Food Standards Scotland, Facilities Manager / Health and Safety Advisor
Gloucestershire County Council, County Councillor
Govia Thameslink Railway, Head of Environment
Harwich Haven Authority, Assistant Harbour Engineer
Hertfordshire County Council, Graduate Management Trainee
Horsham District Council, Director of Community Services
Horsham District Council Parkside, Environmental Coordination Manager
Housing 21, National Performance Manager
Housing 21, Director of Property
Housing 21, Head of Property Investment
Housing 21, Regional Property Services Manager
Islington Council, Corporate Director Environment and Regen
Islington Council, Head of Energy Services
Islington Council, Head of Energy Service
Kettering Borough Council, Interim Head of Development Services
Knowsley Council, Climate Emergency Officer
LB Redbridge, Planning Policy Officer
Leicestershire County Council, Team Manager
London Borough of Barking and Dagenham, Member Champion for Climate Change
Luton Borough Council, Councillor
Luton Borough Council, Councillor
Luton Borough Council, Councillor
Mayer Brown Ltd, Associate
Mid Devon District Council, Cabinet Member for Climate Change
NDA - Herdus House, Environmental Assurance Manager
NHS Kernow CCG, GP
Norgine, Business Continuity & SHE Manager
North Kesteven District Council, Deputy Chief Executive
North Lanarkshire Council, Service Delivery Manager
North Yorkshire County Council, County Councillor
North Yorkshire County Council, County Councillor
Northumbria Healthcare, Energy & Sustainability Officer
Ofwat, Senior Associate, Policy and Analytics
Oxfordshire County Council, Director for Planning and Place
Oxfordshire County Council, Climate Action Team Leader



Government Events

Public Health England, *Head of Climate Change Group*
Richmondshire District Council, *Elected Member – Chairman of Climate Change Working Group*
Rolls-Royce plc, *Director, Energy & Asset Management*
Rother District Council, *District Councillor*
Ryedale District Council, *Climate Change and Environmental Projects Officer*
Salts Healthcare Ltd, *Regulatory Manager*
Salts Healthcare Ltd, *Environmental Officer*
Sandwell MBC, *Consultant in Public Health*
Sandwell MBC, *Senior Energy Officer*
Sandwell MBC, *Climate Change Programme Manager*
Scottish Water, *Risk & Life Cycle Planning Manager – Waste Water*
Slough Borough Council, *Senior Carbon Project Officer*
South Downs National Park Authority, *Director of Planning*
South Downs National Park Authority, *Senior Planning Policy Officer*
South Lakeland District Council, *Sustainability Coordinator*
St John's Marlborough, *Environmental Change Leader*
States of Guernsey, *Energy & Infrastructure Officer*
Stevenage Borough Council, *Councillor*
Surrey Heath House, *Senior Planning Officer*
Synergy Health (UK) Ltd, *Software Developer*
Synergy Health (UK) Ltd, *General Manager*
Teignbridge District Council, *EHO*
The Coal Authority, *Operations Director*
The Coal Authority, *Sustainability Manager*
The Oil & Gas Technology Centre, *Innovation Network Director*
UKRI Medical Research Council, *Senior Project Officer*
Wakefield Metropolitan District Council, *Senior Climate Change Manager*
Winchester City Council, *Sustainability Officer*
Wokingham Borough Council, *Energy Projects Assistant*
Wokingham Borough Council+D56A54:DA2:B82, *Energy Project Assistant*



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[The Road Network Conference 2021: Delivering Improvements for the Future](#)

26th May 2021, Online

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Thank you for attending our conference.

We hope you found the day interesting and insightful. Speaker presentations will be made available to download on completing the post show survey which will be emailed to you within one week after the event.

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