

Fossil Fuels: Their Impact on Climate Change and Air Pollution

Tuesday, 16th – Wednesday, 17th February 2021

Participants

Titus Alexander FRSA	Educator, Author, Change Agent
Greg Archer	UK Director, Transport and Environment
Charlotte Ayoub	Co-Founder, TLC Sports
Richard Bourne	Advisor, The Ramphal Institute
Ruth Calderwood	Air Quality Manager, City of London Corporation
Ekatarina de Rodzianko	XR Catalysers Fire Circle
Joshua Dean	Lecturer in Biogeochemical Cycles, University of Liverpool
Deanna Emeny	
Claire Farrell	Co-founder XR
Taryn Ferguson	
Andrew Griffiths	Head of Value Chain Sustainability, Nestlé UK Ltd
Neil Grundon	Deputy Chairman, Grundon Waste Management
Professor Peter Head	Ecological Sequestration Trust
Professor Sir Stephen Holgate	UK High Champion for Air Quality
Professor Phil Jones	Professorial Fellow, University of East Anglia
Bianca Letti	Senior Analyst, Climate Change Committee
Ulrich Loening	
Dr Margaret Maclean	XR International COP 26
Surinder Marshall	
Peter Mather	President BP Europe



Dr Alice McGushin	Programme Manager, The Lancet Countdown
Gary McKeone	Programme Director, St George's House
Professor Hugh Montgomery	Professor of Intensive Care Medicine, University College London
Professor Robert Nicholls	University East Anglia
Susannah Nicklin, CFA	Chair and Non-Executive Director - Schroder BSC Social Impact Trust
Russell Norton	
Caroline Päkel	
Dr Douglas Parr	Chief Scientist and Policy Director Greenpeace UK
Professor Chris Rapley, CBE	University College London, Department of Earth Sciences
Dr Sue Robert	Chair of Directors, Bioabundance Community Interest Company
Robin Russell-Jones	Facilitator of Climate Consultations; Chair Help Rescue the Planet
Roc Sanford	XR Catalysers and XR Oceanic Rebellion
Mr John Sauven	CEO Greenpeace UK
Dr Emily Shuckburgh	Director of Cambridge Zero at the University of Cambridge
Neale Smither	Vice President, Downstream New Markets, BP
Shaun Spiers	Executive Director Green Alliance
Hugo Spowers	Chief Engineers and Founder, Riversimple
Nick Stoop	Founder Pangea Impact Investments Limited
Dr Robin Stott	Founder UK Health Climate Alliance
Penelope Tollitt	Urban Planner, Environmental Scientist
Matt Toombs	Director of Campaigns and Engagement COP26
Nigel Topping	High Level Climate Action Champion
Professor Tom Wigley	School of Environmental Sciences, University of East Anglia
Prof Philip Woodworth	Oceanography Centre Liverpool



Participants' Biographies



Titus Alexander FRSA

Titus Alexander is a freelance researcher, writer, campaign coach, facilitator and Fellow of the Crick Centre for the Public Understanding of Politics. He has worked with the Global Commons Institute since before CoP1 in Berlin in 1995, and Action for a Global Climate Community for an EU - India initiative. His latest book is *Practical Politics: Lessons in Power and Democracy*, on teaching democratic politics. He runs an apprenticeship in campaigning and is founder of Democracy Matters, an alliance for learning practical politics. He created the Charter 99 for Global Democracy campaign, Uniting Humanity, a Grundtvig trainer of trainers programme. Publications include *Discussing Democracy* (2015), *Campaigning is OK!* (2009), *Learning Power* (2007), *Family Learning* (Demos 1997), *Citizenship Schools: a practical guide* (2001), and *Unravelling Global Apartheid: An overview of world politics* (Polity 1996). Titus's latest project is to create an online resource centre for learning and teaching social change.



Greg Archer

Greg Archer is UK Director of the environmental think tank Transport and Environment. An expert on the environmental impacts of transport his work has influenced the form of many key laws to reduce the environmental impacts of transport over the last 20 years by encouraging clean technologies. He led NGO campaigns including for: car CO2 regulations that stimulate the shift to electric cars; real work vehicle tests that are finally beginning to clean up diesel emissions; and the introduction of sustainability criteria for biofuels. He helped to expose the breadth of the dieselgate scandal leading to reform of vehicle approval systems; worked on the Environment Bill that introduced the system of local air quality management; and recently gave evidence to the Ella Kissi-Debra inquest. A pragmatic environmentalist he is recognised for his detailed grasp of the detail and evidence and forthright views on how to green transport.



Charlotte Ayoub

Although having qualified in Law, Charlotte Ayoub now runs womens' activewear brand TLC SPORT alongside her mother, where they provide quality, stylish and durable clothing to their customers at home and abroad. Founded in 1984, TLC has a varied and fascinating journey and with ten years experience in the industry, Charlotte has an extensive grasp of the business; from design and logistics to marketing and fulfilment. After graduating from the Goldman Sachs 10KSB Programme, Charlotte has successfully grown the business, breaking into retailers in the UK & USA, launching on national television, securing designer collaborations and overhauling the brand and website to keep up with the fast paced world e-commerce.



Richard Bourne

Richard Bourne coordinated a pioneering Commonwealth conference in London for the Ramphal Institute on toxic air pollution in megacities in 2018. Representatives from Dhaka, Delhi, Gauteng (greater Johannesburg) and London (an honorary megacity) recommended that it should be followed up by another, to drive a Commonwealth campaign to cut emissions, promote a UN Right to Breathe, and encourage exchange of effective policies. This event will take place on 30-31 March, 2021. Richard is Adviser to the Institute's Director and Trustees. A former journalist, he has been a Commonwealth activist since 1982.



Ruth Calderwood

Ruth Calderwood is the Air Quality Manager at the City of London Corporation. She has worked in local authority air quality management for over 20 years and prior to that in ecology, nature conservation and arboriculture. She has supported a number of research projects such as the impact of biomass on urban air quality and real world vehicle emission testing. Ruth is a Trustee of Environmental Protection UK, a national charity that provides expert policy analysis and information on air quality, land quality and noise.



Ekatarina de Rodzianko

Ekatarina spent most of her career immersed in corporate London, primarily as a media lawyer with an international law firm and with a significant media finance organisation. Her passion for protecting the environment and ecology of our planet, has shifted her focus to concentrate on inspiring business leaders to change. As a Catalyser her aim is to persuade those in power to engage with the climate and ecological emergency and use their influence to reshape our future. She now lives in Devon, wilding a former farm.



Dr Joshua F. Dean, FHEA

Joshua is a Lecturer in Biogeochemical Cycles at the School of Environmental Sciences, University of Liverpool, UK. His research is at the intersection of hydrology and elemental biogeochemistry. His work marries isotopes, biogeochemical and hydrological fluxes, and microbial community characterisation to quantify the source, transformation and flow of carbon through the land-freshwater-atmosphere continuum. His current main research focus is methane cycling and the application of radiocarbon as an unconventional tracer in the global carbon cycle. Originally from New Zealand, Joshua enjoys working in many fieldwork locations including the East Siberian Arctic, Northwest Canadian Arctic, the Yucatán Peninsula, southeast Australia, and across the UK and Europe. Joshua received his BSc (Hons) in Geography from Massey University in New Zealand, and his PhD in Hydrogeology from La Trobe University in Australia.



Deanna Emeny

I am a master's student in Environment and Development from Kings College London, currently working for Help Rescue The Planet alongside Robin Russell-Jones as a Mayday C4 conference coordinator. The Mayday C4 events are a combination of conferences with concerts in the run up to COP 26. The purpose of these C4 events to generate a social movement to make climate change the key issue of 2021.



Clare Farrell

Clare Farrell is an active citizen, devoting her creativity, her energy, and occasionally her personal liberty, to fight against climate collapse and the wider environmental crisis.

As one of the founders of Extinction Rebellion she helps coordinate a mass movement of people using non-violent civil disobedience.

Her work to date has included building and coordinating the creative team that delivered the name, identity, and messaging that the movement set out with in 2018. Since then working across actions teams, some internal governance roles, trainings and now coordinating the media and messaging teams and acting as a spokesperson.

Clare has a background in the UK fashion industry, working across the high street, luxury and ethical sectors. She has been educating on fashion, ethics and sustainability for over a decade and has lectured at Central Saint Martins, the Royal College of Art, London College of Communications, and Goldsmiths, among other institution
Biography from www.resource-alliance.org



Andy Griffiths

Andy is Head of Value Chain Sustainability for Nestlé's UK&I businesses, responsible for the development and delivery of the Environmental Sustainability strategy both within the operation and across the value chain.

He has worked for Nestlé UK&I for over 20 years, originally in operational and engineering roles. He is both a chartered environmentalist and IEMA fellow, as well as a chartered engineer (IET). He is focussed on bringing together the engineering expertise, operational experience and environmental insights of the organisation alongside collaborative partnerships with academia and key delivery partners to develop and implement robust and effective sustainability programmes.

Andy co-developed the LENs (Landscape Enterprise Network) model with 3Keel, to enable effective shared interest investment, at scale, into the regeneration of multifunctional landscapes.



Neil Grundon

Neil began working for Grundon Waste Management in 1992 at the age of 23 and soon took on responsibility for restoring a completed landfill site into an 18 hole golf course, which Grundon still owns and runs.

He has undertaken several business courses and recently completed The Prince of Wales's Business and Sustainability Programme at Cambridge University.

He works to build shareholder value for Grundon through responsible innovation.

Neil is the Co-Chair of the ZSL Development Strategy Board, and is Treasurer of the Environmental Services Association.



Professor Peter Head CBE FREng FRSA

Peter is a civil and structural engineer who has become a recognised world leader in major bridges, advanced composite technology and integrated systems planning for sustainable development in cities and regions, working in Maunsell, AECOM and Arup.

In 2008 he was named by the Guardian Newspaper as one of 50 people that could 'save the planet'. He was cited by Time magazine in 2008 as one of 30 global eco-heroes and has been one of CNN's Principle Voices.

In 2011 he was awarded the CBE in the New Year's Honours List for services to Civil Engineering and the Environment.

In April 2011 he set up The Ecological Sequestration Trust, a Charity which has brought together the world's top scientists, engineers, economists, financiers, health, ecology and other specialists to create tools to help accelerate tackling climate change and regenerative development. Resilience Brokers is the operating company.

Peter helped to write SDG11 and was on the Planetary Health Commission and co-authored Human Health in the Anthropocene. He is a member of the UNDRR Gar Advisory Board.

Peter is visiting professor in sustainable systems engineering at University of Bristol.

In 2019-20 Peter was a member of the GLAC Scaling Sustainable Infrastructure Solutions Lab and also co-founded Pivot Projects.



Professor Sir Stephen Holgate

Stephen Holgate is Medical Research Council Clinical Professor of Immunopharmacology at the Faculty of Medicine, Southampton, UK. After completing his medical training in London he spent 2 years at Harvard Medical School to acquire skills in allergic disease mechanisms. On returning to Southampton in 1980, he set up a research group focused on the mechanisms of asthma. He has utilized many approaches to study this disease including epidemiology, genetics, pathology, microbiology and immunology, pharmacology and experimental medicine. This research has informed guidelines on asthma management and has identified and validated novel therapeutic targets. Notable research contributions include the role of mast cells and their mediators in asthma and allied disorders, the regulation and pharmacology of mast cells, placing inflammation at the core of asthma pathophysiology, uncovering the role of respiratory viruses, allergens and pollutants in asthma exacerbation, the discovery of defects in innate immune responses in asthmatic airways, mechanisms of airway wall remodelling and the discovery of novel asthma susceptibility genes such as ADAM33.

His current research focuses on stratified medicine, the role of the epithelium in orchestrating asthma and the evolution of asthma across the lifecourse. His work has resulted in over 980 peer reviewed publications (H index 133), 60 Book editorships, 453 Book Chapters and Reviews, 48 Editorials, 76 Official and Government Reports. He holds an MRC programme grant focused on the pathogenesis of asthma.

He is a Past President of the British Society of Allergy and Clinical Immunology and British Thoracic Society, was Chair of the MRC Population and Systems Medicine Board (PSMB). Stephen is Chair of Main Panel A (Medicine, Health and Life Sciences) of the UK Research Excellence Framework 2014, Chairs the UK National Centre for the Replacement, Refinement and Reduction of Animals in Research (NC3Rs), the British Lung Foundation Research Committee, the Hazardous Substances Advisory Committee (HSAC), and from 2014, will join the Science and Innovation Strategy Board of the Natural Environment Research Council (NERC). He is Chair of the European Respiratory

Society Scientific Committee, Treasurer of the World Allergy Organization and Member of the Medical Science Committee of Science Europe. In 2003 he cofounded of Synairgen a publically quoted respiratory drug development company with a particular focus on lung antiviral defense in asthma, COPD and severe viral infections.

Biography from www.southampton.ac.uk



Professor Phil Jones

Phil Jones has a BA Environmental Science degree from Lancaster (1973) and an MSc and PhD (1974, 1977) in Hydrology from Newcastle. Phil joined the Climatic Research Unit (CRU) at UEA in late 1976 on three year contract. He is most known for the global temperature series which he is talking about today.

He has been awarded a fellowship by the American Meteorological Society and the American Geophysical Union and most recently an honorary fellowship by the Royal Meteorological Society. He has also been awarded the Hans Oeschger Medal by the European Geosciences Union, and honorary degrees from the University of Rovira I Virgili (in Tarragona, Catalunya) and the University of Stockholm.



Bianca Letti

Bianca is a Senior Analyst at the Climate Change Committee. She led the analysis of the costs and benefits of a net-zero target for the UK in the CCC's 2019 report Net Zero - The UK's contribution to stopping global warming and is currently leading the CCC's work on ensuring the transition to Net Zero is fair for households and workers.

Bianca is an economist by background and has previously worked at the National Infrastructure Commission, where she was responsible for modelling infrastructure needs across multiple sectors, including transport, energy and water.

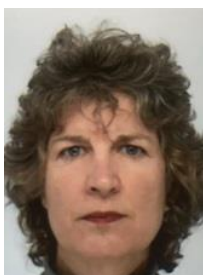


Ulrich Loening

Ulrich Loening, D.Phil in biochemistry; research and teaching career dealing with protein synthesis and nucleic acids, in the Departments of Botany and then Zoology in the University of Edinburgh from 1959 to about 1989. He developed various electrophoretic methods for analysis of RNA and its processing and transport to the cytoplasm and confirmed the emerging idea that plant chloroplasts evolved from symbiosis with blue-green algae - natural genetic engineering.

Following long-held interests, starting with natural history as a kid, he became more and more involved with society's ecological impacts. He helped to prevent closure in 1976 of the recently founded (Waddington 1972) Centre for Human Ecology (CHE), became its Director in 1984, and retired in 1996. In CHE he organised numerous workshops and lecture series on human ecological impacts and co-founded energy conservation organisations, organic farming bodies and a small "sustainable forest" timber company. He continues to be active in the interface between science and practical ecology.

With his wife Francesca he converted two historic buildings towards eco-sustainable living. He plays the cello.



Dr Margaret Maclean

Dr Margaret McLean worked as a Consultant Psychologist leading the psychology service in the general hospital in Aberdeen until March 2019. She joined the global XRCOP group in March 2020 and has helped steer the group forward over the last 10 months. Her passion for the outdoors, reverence for life and years of speaking with people facing life threatening/limiting illness have motivated her to make a stand for values and governance which are based on respect for life and planet Earth. She is particularly interested in the construction of collective attitudes, perceptions and behaviours and the implications this has on our relationships with each other and with the environment. Before joining XR, Margaret had not been engaged in activism for nearly 30 years.



Alice McGushin, MB-BS, MScPH

Dr Alice McGushin is the Programme Manager for the Lancet Countdown: tracking progress on health and climate change, an international, multidisciplinary collaboration of academic and UN institutions that monitor the world's response to the health effects of climate change. Before joining the Lancet Countdown, Alice trained as medical doctor in Tasmania and Western Australia. She completed an MSc Public Health (Environment and Health) at London School of Hygiene & Tropical Medicine and has also worked as a consultant for several actors, including the World Health Organization, the Canadian Association of Physicians for the Environment and the World Organization of Family Doctors.



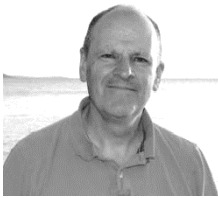
Gary McKeone

Gary McKeone was Literature Director at Arts Council England from 1995-2006. Before that he worked with Field Day Theatre Company in Ireland and at the Royal Festival Hall on London's South Bank. Originally from Derry, N.Ireland, he was educated at St Columb's College and Trinity College Dublin.



Professor Hugh Montgomery

Hugh obtained a 1st class degree in physiology/neuropharmacology before graduating from the Middlesex Hospital Medical School in 1987. He has since obtained specialist accreditation in cardiology, general internal medicine and intensive care medicine. He works partly as a consultant in intensive care at the Whittington Hospital in North London. He obtained his higher research degree (MD) in 1997, directs the UCL Centre for Human Health and Performance, and has published over 500 peer-reviewed papers. He has worked in the field of health and climate change for over 20 years. He founded the schools climate change education programme 'Project Genie'; was appointed 'London Leader' in sustainability for the Greater London Authority; hosted and ran the first UK conference on climate and health at the Royal College of Physicians; organised the first Climate and Security meeting in London in 2011; has chaired two Lancet Commissions on Climate Change and Health; and co-chairs the 35-institute 27-country Lancet Countdown on Health and Climate Change. He has attended the COP negotiations.



Professor Robert Nicholls

Robert Nicholls is an expert in assessing long-term coastal problems and finding sustainable solutions. Much of his work has focused on responding to sea-level rise and climate change, necessitating an interdisciplinary approach. A distinctive dimension has been consideration of the coastal zone in system terms, facilitating policy analysis. He has advised national governments (e.g., UK, Netherlands, Bangladesh, Singapore, the Maldives) and intergovernmental organisations (e.g., OECD) on climate change and coastal issues. He was a lead author to five reports of the Intergovernmental Panel for Climate Change (IPCC) assessment process, a review editor to the fifth IPCC assessment and a contributing author to recent the IPCC Special Report on the Oceans and Cryosphere (2019). He currently co-leads the World Climate Research Programme Sea-Level Rise Grand Challenge to deliver sea-level science to support better coastal impact and adaptation assessment and is a member of the ASCE/COPRI Coastal Engineering Research Council.



Susannah Nicklin

Susannah Nicklin is an investment and financial services professional with 25 years of experience in executive roles at Goldman Sachs and Alliance Bernstein in the US, Australia and the UK. She has also worked in the social impact private equity sector. Susannah is chair of the Schroder BSC Social Impact Trust plc, senior independent director at Pantheon International plc, and a non-executive director of Ecofin Global Utilities and Infrastructure Trust plc, North American Income Trust plc, Baronsmead Venture Trust plc and Amati AIM VCT plc. She holds the Chartered Financial Analyst credential from the CFA Institute.



Caroline Päkel

Authentic and meaningful communication is Caroline's main passion. She is a social psychologist with extensive experience in holding safe spaces for people from different walks of life, and for them to open, connect and co-create together, easily and effectively.

Her personal and professional backgrounds are cross-cultural and she brings a deep understanding of the ins and outs of creative and dialogue facilitation across cultures and traditions.

She ran her own consultancy, to the heart, for nearly 20 years during which time she worked with key global names and organisations from a wide variety of sectors – the Disney companies were her most loyal clients for nearly 15 years.

She transitioned from communication and marketing to environmental activism over 10 years ago and this took her to join Extinction Rebellion UK in early 2019 to develop and nurture their work with the Assembly process – People's and Citizen's Assemblies. She is most grateful for the invitation during that time to run a most memorable Assembly at the Palace of Westminster with peers and MPs in attendance during October Rebellion.

She holds a Master in Creativity and Change Leadership from the Centre of Creative Studies in the US (Buffalo).



Dr Douglas Parr

Dr Douglas Parr is Policy Director at Greenpeace UK. He has specialised in climate change policy in across power, heat and transport sectors for many years, and all aspects of the social and economic transition. He also monitors developments in issues such as bioenergy, agriculture and land use. He has previously worked on a number of issues including chemicals policy, green refrigeration, waste and marine conservation.



Professor Chris Rapley

Professor Chris Rapley CBE is Professor of Climate Science at University College London. He is a Fellow of St Edmund's College Cambridge, a member of the Academia Europaea, Chair of the European Science Foundation's European Space Sciences Committee, Patron of the Surrey Climate Commission, and a member of the Science Museum's Science Advisory Board. His previous posts include Director of the Science Museum, Director of the British Antarctic Survey, Chairman of the London Climate Change Partnership, President of the Scientific Committee on Antarctic Research, Executive Director of the International Geosphere-Biosphere Programme, and founder and Head of UCL's Earth Remote Sensing Group. He was Chair of the International Planning Group for the International Polar Year 2007-2008 and Chair of the European Space Agency Director General's High Level Science Policy Advisory Committee. His current interests are in the role of climate scientists in society and the communication of climate science. He is Chair of the UCL Policy Commission on Communicating Climate Science. In 2014 Prof Rapley and the playwright Duncan Macmillan wrote the acclaimed play '2071' which Prof Rapley performed at the Royal Court theater and in Hamburg and Brussels. More recently Prof Rapley was the Science Consultant on BBC1's 'Climate Change – The Facts' presented by Sir David Attenborough. In 2003 Prof Rapley was appointed CBE by Her Majesty the Queen. In 2008 he was awarded the Edinburgh Science Medal for having made 'a significant contribution to the understanding and wellbeing of humanity'.



Dr Sue Roberts

Dr Sue Roberts is Chair of Directors at Bioabundance Community Interest Company, a grassroots organisation set up with the aim of restoring nature to the best state it has been in, since 1950. Bioabundance has launched a proposal for a 36 sq mile Regional Park to the north-east of Oxford, and is making a legal challenge to South Oxfordshire District Council (SODC) over excessive housing in its local development plan. Sue also chairs Bioabundance' sister group, South Oxfordshire Sustainability.

Sue has been a Green Councillor at SODC since 2019 and led the climate and ecological emergency response. Her Oxon DPhil was in Zoology; she knows how vital it is that nature has the uninterrupted swathes of land it requires to thrive, and how urgent is the action we must take on global heating.

Sue ran the Green Deal Advice Organisation, Ecomorph Ltd, for 7 years from 2012. It advised householders on energy efficiency and renewables (ecofitting), following Government strategy in the Green Deal. Prior to that she ran the Government's Local Energy Assessment Fund grant for Sustainable Wallingford. Her own home is on the Government's Superhomes website, and she has just had an air sourced heat pump installed. Administrative failings in the new Green Grant strategy makes it impossible for her to claim the grant.

Sue was, until recently, a Director of the Oxfordshire Local Enterprise Partnership (OxLEP). She spoke up for the rural economy and nature restoration, and for a new ecofit industry. She is dismayed that OxLEP's draft Economic Recovery Plan makes no mention of these things. Fundamentally, there is no supply chain for ecofits and no realistic mechanism to improve homes. This needs far more serious support and promotion at Government level.



Robin Russell-Jones

Help Rescue the Planet, or H RTP, is an educational charity dedicated to reducing air pollution and mitigating climate change. It was established in 2012 by Dr Robin Russell-Jones (RRJ), who helped to organise three climate change consultations at Windsor Castle, and a 5-day international conference on climate change at RIBA, The Royal Institute of British Architects Trustees include Baroness Walmsley, Deputy Leader of the Liberal Democrats in the House of Lords, Dr Charles Tannock, former Conservative MEP for London, John Mills, Environmental Health Officer for Derby, and Phoebe Moseley Jones.

Over the past 8 years RRJ has had numerous articles and letters published in national newspapers including letters in the Times Guardian and FT on three successive days (Jan 25-27 2021). He was the scientific advisor to the APPG on air pollution from 2017-21, and he has given evidence to Select Committees in the House of Commons. He has also contributed to position papers by the Council of Europe on fracking, air pollution and climate change.

Notable successes thus far are the moratorium on fracking, the 2030 phase-out date for ICE vehicles, and the one year extension for the Green Homes Grant Initiative. The Mayday C4 events are a huge commitment for H RTP, but RRJ feels that we have no choice but to do everything possible to make COP 26 a resounding success by bringing together all of the stakeholders that are committed to saving the planet.



Roc Sanford

Roc has worked on methodologies for modelling geophysical and socio-economic phenomena and perceptual bias at Bristol, Pennsylvania State, and University College London. They have attended the Rockefeller Foundation, Bellagio in Italy and the NATO Advanced Studies Institute at Bonas in France.

They are a trustee of Mathematical Sciences UK and a fellow of the Royal Geographical Society. They were a founder member of the Archipelago Forum, canvassing the Staffa Archipelago as a UNESCO World Heritage Site and have campaigned successfully against the damaging consequences of salmon farming both in the Archipelago and globally, while working to reform salmon aquaculture.

Roc has been involved with Extinction Rebellion since inception and co-founded both Extinction Rebellion's Catalyser program of dialogue with people in places of power and Ocean Rebellion.

They have presented to high-level audiences at WEF Davos and elsewhere an uncompromising message of emergency and of the technical inadequacy of current policy response and timescale, proposing sector-specific technical asks to deliver rapid climate and biodiversity repair.

Writing, editing, interviews and dramatisations have appeared in the Telegraph, Times, Scotsman, Herald, BBC & many other places. Roc is a writer, artist and organic farmer and lives off-grid on the Hebridean Island of Gometra.



John Sauven

John Sauven has been Executive Director of Greenpeace since 2007. John's first campaign at Greenpeace was helping to protect the Great Bear Rainforest in Canada in the mid-90s. Since then John has been instrumental in many campaigns, some of his achievements include: securing a moratorium on forest destruction in the Amazon by soya producers; forming a coalition between energy companies to promote offshore renewable energy and steering the creation of the Rang-tan video, exposing deforestation for palm oil, which was watched by over 70 million people.



Dr Emily Shuckburgh

Dr Emily Shuckburgh is Director of Cambridge Zero, the University of Cambridge's major climate change initiative. She is also Reader in Environmental Data Science at the Department of Computer Science and Technology and leads the UKRI Centre for Doctoral Training on the Application of AI to the study of Environmental Risks (AI4ER).

She is a mathematician and climate scientist and a Fellow of Darwin College, a Fellow of the Cambridge Institute for Sustainability Leadership, an Associate Fellow of the Centre for Science and Policy and a Fellow of the British Antarctic Survey.

She worked for more than a decade at the British Antarctic Survey where she led a UK national research programme on the Southern Ocean and its role in climate (ORCHESTRA), and was deputy head of the Polar Oceans Team and head of the Data Science Group. Prior to that she undertook research at École Normale Supérieure in Paris and at MIT. She is a fellow of the Royal Meteorological Society and co-chair of their Climate Science Communications Group. She has also acted as an advisor to the UK Government on behalf of the Natural Environment Research Council.

In 2016 she was awarded an OBE for services to science and the public communication of science. She is co-author with HRH The Prince of Wales and Tony Juniper of the Ladybird Book on Climate Change.



Neale Smither

Neale has worked for bp for over 30 years in a number of customer-facing roles in South Africa, Vietnam, China, UK and India. Neale is currently Vice President of Mobility & Convenience in India and Indonesia for bp's Customer & Products division, based in Mumbai.

Recently, Neale was involved in the commercial development of bp's acquisition of Chargemaster in the UK and is currently driving the development of a battery swap business in India, as part of bp's transition into a lower carbon company to support its net zero ambitions. Between 2009 and 2016, Neale managed bp's UK Retail businesses. Neale has a BSc (Hons) in Chem Eng (Loughborough University).



Shaun Spiers

Shaun became executive director of Green Alliance in June 2017. He was chief executive of CPRE (Campaign to Protect Rural England) for 13 years. Previously he led ABCUL, the credit union trade association. From 1994 to 1999, he was an MEP for the South East, serving on the European Parliament's Agriculture and Rural Affairs Committee. His book, How to build houses and save the countryside, was published by Policy Press in March 2018.



Hugo Spowers

Hugo Spowers is Founder and MD of Riversimple, a sustainable car company based in Llandrindod Wells, Powys. Riversimple is developing lightweight hydrogen fuel cell cars, along with a business model designed to make efficiency and sustainability profitable, and a governance model that balances and protects benefit streams for all critical stakeholders including the environment itself. The company is currently raising funds to establish its first plant for volume production in mid Wales – their entry level car is a neat eco coupe, the Rasa, designed from a clean slate to be as efficient as possible while being affordable and fun to drive.



Nick Stoop

Founder of Pangea Impact Investments Limited, a Devon based wealth management business focused entirely on the positive impacts of its underlying investments globally and its positive social impacts locally. Nick previously worked at BlackRock for ten years based in London, Dubai, and Singapore. Nick is a passionate father, husband, and sportsman.



Dr Robin Stott

Dr Robin Stott a former consultant physician and medical teacher, his expertise is in health and its determinants. He began work on sustainability issues as Medical Director of Lewisham Hospital and lead the first ever social, environmental and economic audit of a hospital. He was a founding member of the London Sustainable Development Commission (LSDC) and has been the sustainability advisor to the Mayor of Lewisham.



Penelope Tollitt

Penelope Tollitt is a planner, urban designer and environmental scientist. She runs her own consultancy, Making Places Together. She has considerable experience of planning in local government, most recently as Chief Planner at Wycombe District Council. She has sought to implement 'sustainable development' through her professional activities, but with limited success because of the way national policy on planning is constructed. She has recently become a non-executive director of Chiltern Rangers, Chairman of Revive the Wye, and is leading 'Wycombe Environment', a local group recently established with the local Council.



Matt Toombs

Matt Toombs is Director of Campaigns and Engagement in the COP26 Unit, with responsibility for stakeholder engagement and the COP26 campaigns. Matt previously led a review of post-18 education at the Department for Education and ran the Budget Team at Her Majesty's Treasury.

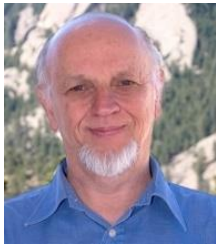
Our Campaigns and Engagement Director defines the COP campaigns and policies to ensure the success of COP26, plus sponsorship for the event, and delivers this through Whitehall departments, businesses and civil society. His teams lead on policy areas in civil society, cities and regions, youth, science and academia, and business to achieve COP26 ambition. Matt also leads the COP26 unit's engagement with the devolved administrations, including working closely with the Chief Operations Officer on delivery relationships with the Scottish Government.



Nigel Topping

Nigel Topping is the UK's High-Level Climate Action Champion, appointed by the UK Prime Minister in January 2020. Nigel works alongside the Chilean High-Level Climate Action Champion, Gonzalo Muñoz. The role of the high-level champions is to strengthen collaboration and drive action from businesses, investors, organisations, cities, and regions on climate change, and coordinate this work with governments and parties to the United Nations Framework Convention on Climate Change (UNFCCC).

Nigel was most recently CEO of We Mean Business, a coalition of businesses working to accelerate the transition to a zero carbon economy. Prior to that he was Executive Director of the Carbon Disclosure Project, following an 18 year career in the private sector, having worked across the world in emerging markets and manufacturing.



Professor Tom Wigley

Tom Wigley has a Ph.D. in Mathematical Physics from the University of Adelaide. He trained and worked as a meteorologist in Australia. He has had academic positions in Canada, the U.K., the U.S.A. and Australia. In the U.K. he was Director of the Climatic Research Unit at the University of East Anglia. He has published 100s of papers mainly in climate science, and is one of the world's most highly cited climate scientists. He was recently named one of the world's top 10 climate change scientists.



Professor Philip Woodworth

Philip Woodworth is an Emeritus Fellow at the National Oceanography Centre and a Visiting Professor at Liverpool University. His research is concerned with changes in sea level on timescales from hours (tides, storm surges) to centuries (climate change). He has been a Director of the Permanent Service for Mean Sea Level (PSMSL) and Chairman of Global Sea Level Observing System (GLOSS) of UNESCO. He has been a Lead or Contributing Author or Review Editor for the IPCC Research Assessments and is one of the IPCC's 2007 Nobel Peace Prize Laureates. He has been awarded the Denny Medal of IMAREST, the Vening Meinesz Medal of the European Geosciences Union, and an MBE for services to science.