

# The Economics of Climate Change

Tuesday, 23<sup>rd</sup> – Wednesday, 24<sup>th</sup> March 2021



## Participant 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.



### **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.



### **Professor Fiona Charnley**

Fiona Charnley is an associate Professor of Circular Economy and Co-Director of the Exeter Centre for the Circular Economy at the University of Exeter. Fiona is Co-Director of the UKRI National Interdisciplinary Circular Economy Research Hub, part of a £30M investment to accelerate Circular Economy Research and Innovation across the UK. Fiona has a background in Industrial Design and has established herself as a thought leader in the Circular Economy, working at the interfaces of Design, Innovation and Manufacture. She leads multiple interdisciplinary research projects investigating the enablers of Circular Innovation including 'Circular 4.0: Data-Driven Intelligence for a Circular Economy' and 'Manufacturing Immortality' investigating self-healing materials. Fiona collaborates with multiple organisations of varying sizes across industry sectors to implement design and manufacture for a Circular Economy.



### **Hugh Ellis**

Hugh's responsibilities as TCPA Policy Director include leading on policy development, briefings and engagement with central government and politicians. In 2018 he led the secretariat for the Raynsford Review, setting out a blue print for a new planning system in England. Since 2015 Hugh has co-authored three books, including 'Rebuilding Britain' and 'Town Planning in Crisis' with Kate Henderson, and 'The Art of Building a Garden City' with Katy Lock and Kate Henderson. Hugh was closely involved in the passage of the 2004 and 2008 Planning Acts, including providing evidence to public bill committees and working closely with parliamentarians on both Commons and Lords committee stages of subsequent planning legislation. Hugh has given oral evidence to the House of Commons Select Committees on various planning inquiries. He has led on TCPA campaign work on 'planning out poverty' and planning for people, and he is a strong critic of policies such as Permitted Development. Hugh sits on the UK Government Department for Communities and Local Government (DCLG) Planning Sounding Board.

Hugh regularly delivers workshops to local authorities on climate change adaptation, and with the TCPA New Communities Group on issues such as strategic planning.

*Biography from [www.tcpa.org.uk](http://www.tcpa.org.uk)*



### **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.



### **Dr Adedolapo Fasawe**

Dr Adedolapo Fasawe is the General Manager/Chief Executive Officer of Lagos State Environmental Protection Agency, where she is responsible for leading the implementation of policies and programs aimed at protecting and improving the environment in Lagos, Nigeria. She is considered as one of the foremost experts in Nigeria on exploring the nexus between public health and climate change for building resilient urban cities in the 21st century.

Dr Fasawe is a medical doctor by training, with diplomas in International Health Consultancy and Global Mental Health Management from the Liverpool School of Tropical Medicine and King's College London, respectively.



### **Professor Peter Hopkinson**

Peter joined the Business School in 2017 where he is co-director of the Exeter Centre for Circular Economy. Prior to this he was based at the Bradford Management School where he had two primary roles. Firstly, Director of the University Ecoversity initiative, a whole institutional programme to embed sustainability into the research, teaching and operational performance of the University. This involved the design and build of a new £5M BREEAM outstanding Centre as a home for Ecoversity and circular economy activity. Secondly, since 2009, he has led the University's strategic partnership with the Ellen MacArthur Foundation (EMF) as a Global Pioneer for Circular Economy. In 2014 Peter established the world's first MBA in Circular economy. In parallel he created a Global on-line Masterclass – An introduction to Circular Economy for the Ellen MaCarthur Foundation CE100 and Global Partners which ran for 5 years and attracted over 1000 participants. During this time Peter worked closely with the EMF to translate the principles of circular economy into multiple research and educational contexts including EPSRC and Innovate UK grants, policy and industrial sector application and c-suite, postgraduate, undergraduate and civic society courses and workshops.



### **Professor Steve Keen**

Specialist in complex systems modelling in economics. Publications on non-equilibrium macroeconomics, environmental economics, the role of energy in production, critiques of Neoclassical and Marxian economics, monetary dynamics, empirical data on causes of financial crises, and economic methodology

(<https://scholar.google.com/citations?user=hbcdga0AAAAJ&hl=en&oi=sra>).

Professor of Economics and Distinguished Research Fellow at the Institute for Strategy, Resilience and Security at University College London (<https://www.isrs.org.uk/>).

Crowdfunded via Patreon at <https://www.patreon.com/ProfSteveKeen>.

Author of Debunking Economics and Can We Avoid Another Financial Crisis?

Winner of the Revere Award

(<https://rwer.wordpress.com/2010/05/13/keen-roubini-and-baker-win-revere-award-for-economics-2/>) for being the economist "who first and most clearly anticipated and gave public warning of the Global Financial Collapse and whose work is most likely to prevent another GFC in the future."



### **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 Maclean 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.



### **Colin McGill**

Colin McGill holds an M.A in Physics from Cambridge University, a D.Phil. in Theoretical Physics from Oxford and is a graduate of bp's Projects and Engineering Academy.

He had a distinguished and accomplished career of more than 30 year in the oil industry before retiring in 2020. In his last role with bp he was Project Director for the Net Zero Teesside Project and before that he was accountable for the front end of all bp's major projects in most of the Eastern Hemisphere, a portfolio of more than \$10 billion of projects.

He has been a strong supporter of women in bp and has been bp's tag to the POWERful Women organization.



### **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.



### **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).



### **Professor Raghu Rajan**

Raghuram Rajan is the Katherine Dusak Miller Distinguished Service Professor of Finance at Chicago Booth. He was the 23rd Governor of the Reserve Bank of India between September 2013 and September 2016. Between 2003 and 2006, Dr. Rajan was the Chief Economist and Director of Research at the International Monetary Fund.

Dr. Rajan's research interests are in banking, corporate finance, and economic development, especially the role finance plays in it. The books he has written include *The Third Pillar: How the State and Markets are leaving Communities Behind* 2019, *I do What I do: On Reform, Rhetoric, and Resolve*, 2017, and *Fault Lines: How Hidden Fractures Still Threaten the World Economy*, for which he was awarded the Financial Times-Goldman Sachs prize for best business book in 2010.

Dr. Rajan is a member of the Group of Thirty. He was the President of the American Finance Association in 2011 and is a member of the American

Academy of Arts and Sciences. In January 2003, the American Finance Association awarded Dr. Rajan the inaugural Fischer Black Prize for the best finance researcher under the age of 40. The other awards he has received include the Infosys prize for the Economic Sciences in 2012, the Deutsche Bank Prize for Financial Economics in 2013, Euromoney Central Banker Governor of the Year 2014, and Banker Magazine (FT Group) Central Bank Governor of the Year 2016.

*Biography from [www.chicagobooth.edu](http://www.chicagobooth.edu)*



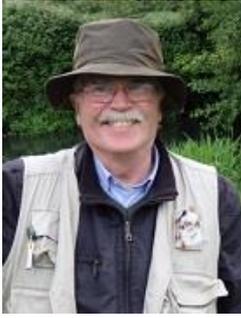
### **Dr Sue Roberts**

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.



### **Huub Savelkouls**

Huub Savelkouls recently retired from Philip Morris International (PMI) after a 26 year career. His legacy is to have sparked the company's business transformation, pushing for fundamental change by replacing cigarettes with better alternatives, to the benefit of smokers, society and shareholders. Having experienced the power of stakeholder engagement to drive positive change, he is now focused on working with companies, investors and NGOs to promote corporate transformations and reforms in fiscal, monetary, and economic policies. His aim is to make our world more equitable and sustainable, with particular focus on climate change.

A quantitative economist by training, Huub successfully advocated for economic and fiscal policies that encourage industry to innovate and transform in the public interest and to address the societal costs of smoking. Appointed as the company's first Chief Sustainability Officer, he developed and implemented a groundbreaking approach to sustainability and corporate purpose, making PMI the first United States Corporation with a formal Statement of Purpose. Huub represented the company in various boards and membership organizations, including economiesuisse, the Sustainability Accounting Standards Board and the World Business Council for Sustainable Development. Huub is a Dutch national with a degree in Business Econometrics from the Vrije Universiteit in Amsterdam. He is married, with one daughter and lives in Switzerland.



### **Baroness Sheehan**

Baroness Sheehan is a member of the UK House of Lords Select Committee for Science and Technology. She served on Richmond Borough Council as a local councillor for Kew ward and Assistant Cabinet Member for Climate Change. She also sat on the Planning Committee, Children's Services Committee and Health Committee. As a current member of Peers for the Planet, Baroness Sheehan brings her academic background to focus on climate change. Her other roles in the House of Lords include being a former spokesperson for her party on immigration and International Development, as well as serving for several years on the Energy and Environment Sub-Committee of the EU Select Committee.



### **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).



### **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.



### **Baroness Walmsley**

Joan Walmsley hails from Liverpool where she also went to University. After graduating in Biology she went to work in the health service and after a number of years out of the workplace bringing up her children she trained as a teacher and taught in the secondary sector.

It was in 1986 that she became politically active in the Liberal Party when her late husband Chris was the candidate in the famous West Derbyshire by-election (held by the Tories by only 100 votes). Since then she has held numerous posts in the local Parties, as a constituency chair, fundraiser, press officer, agent and PPC.

She has held National office in the Party as a member of the Federal Executive, Federal Conference Committee, Women Liberal Democrats, Gender Balance Task Force and has chaired several policy working parties.

She stood for Parliament in 1992 and 1997 and in the European elections of 1999. She entered the House of Lords in 2000 and was elected Convenor of the Liberal Democrat peers in 2014.

She is active in a number of children's charities including UNICEF, NSPCC, SKCV Children's Trust and The Infant Trust.

*Biography from [www.libdems.org.uk](http://www.libdems.org.uk)*



### **Dr Becky Wilebore**

Becky Wilebore leads the natural capital research (team) at NCR with responsibility for setting the science vision and overseeing model development. She is a quantitative ecologist with 10+ years of experience at the interface between natural sciences and economics. During her postdoctoral research at the University of Oxford and Royal Botanic Gardens, Kew, she used large-scale geospatial and hydrological models to map and quantify ecosystem services from natural capital. She also specialises in data analysis from earth observation and remote sensing. Becky was previously a NERC Knowledge Exchange Fellow on natural capital and holds a PhD in forest ecology and REDD+ from the University of Cambridge.



### **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.