



# Abstracts and Biographies

## IPCC Special Report Meeting - Climate Change around the Globe

### **Dr Joanna House**

*University of Bristol*

**Biography:** Jo House is Research Lead at Bristol University's Cabot Institute for the Environment, and Director for the Masters in Climate Change Science and Policy. She spent a year in the Government Office for Science as Head of Climate Advice, is founding Co-Chair of the Bristol Advisory Committee on Climate Change, and advises BEIS, UK Parliament, the Scottish Government, etc. Jo specialises in emissions of carbon dioxide from land use change (e.g. deforestation), and land mitigation (e.g. afforestation, bioenergy). She is author on many IPCC reports including the Special Report on Climate Change and Land, methodologies for greenhouse gas inventories, and the upcoming 6th Assessment Report.

### **Dr Katerina Michaelides**

*University of Bristol*

**Biography:** Dr Katerina Michaelides is Head of the Dryland Research Group at the University of Bristol. Her main research focus is on dryland environmental processes including climate change and its expression on rainfall, surface water, water balance changes, and land degradation. Katerina leads several funded projects related to drought and climate change in East African drylands. She is a contributing author on the 2019 IPCC Special Report on Climate Change and Land (Chapter 3: Desertification) and was an invited participant and speaker at the UNDP workshop on Conflict, Climate Change, and Disruptions in Food and Water Systems, at the UN in New York in 2018.

### **Prof Andrew Challinor**

*University of Leeds*

**Biography:** Andy Challinor is a Professor of Climate Impacts at the University of Leeds with 20 years' experience in modelling for food security. He is leader and founding member of the Climate Impacts Group at the University of Leeds, which currently has 15 members.

Andy develops and uses crop models together with climate models to create strategies for managing risk and adapting food systems to climate change. He leads one of the three themes of GCRF-Africap, a £9M project focusing on capacity building and policy; and is funded by the CGIAR, through the Climate Change, Agriculture and Food Security (CCAFS) Programme for projects on climate-smart agriculture.

Andy was a Lead Author on both the IPCC Fifth Assessment chapter 'Food Production Systems and Food Security' and the UK Climate Change Risk Assessment (CCRA) 2017. He is also Lead

Author on the current CCRA, Review Editor for the 2019 IPCC report on Climate Change and Land, and Specialty Chief Editor of the Climate-Smart Food Systems section of Frontiers in Sustainable Food Systems.

**Prof Pete Smith FRS**

*University of Aberdeen*

**Biography:** Pete Smith is Professor of Soils and Global Change at the Institute of Biological and Environmental Sciences at the University of Aberdeen (Scotland, UK) and Science Director of the Scottish Climate Change Centre of Expertise (ClimateXChange).

His main interests are in climate change mitigation and impacts, soils, agriculture, bioenergy, food security, greenhouse gases and ecosystem modelling.

He is a Fellow of the Royal Society of Biology, the Institute of Soil Scientists, the Royal Society of Edinburgh, a Foreign Fellow of the Indian National Science Academy, a Fellow of the European Science Academy, and a Fellow of the Royal Society (London).

**Dr Aliénor Lavergne**

*Imperial College London*

**Biography:** Dr Aliénor Lavergne is currently a Research Associate (Marie Skłodowska-Curie Fellow) at Imperial College London (Department of Physics). She completed her PhD in 2016 at the Laboratoire des Sciences du Climat et de l'Environnement (France). Her main research interest is to understand the interactions between the carbon-water cycles and plant physiology in changing climatic conditions. She uses stable (carbon and oxygen) isotopes observations as tools for reconstructing past climate variations but also for evaluating and improving process-based vegetation models of different complexities.

**Minette Batters**

*NFU President*

**Biography:** Minette runs a tenanted family farm in Wiltshire. The mixed farming business includes a 100 cow continental cross suckler herd, and a small herd of pedigree Herefords as well as sheep and arable. Diversification includes the conversion of a 17th Century tithe barn into a wedding and corporate events venue, and horse liveries. Minette co-founded the campaigning initiatives 'Ladies in Beef' and the 'Great British Beef Week'.

She has been an NFU member from grassroots through to County Chairman; she served as Wiltshire's Council delegate and also as Regional Board Chairman for the South West. Minette has also been a member of NFU Governance Board and served as NFU deputy president for four years from 2014 to 2018, before being elected as president in February 2018. Minette is also a Trustee of Farm Africa.

**Dr Belinda Howell**

*Decarbonize Limited*

**Biography:** Belinda is an expert in sustainability strategy with extensive board experience in international multi-stakeholder organisations, including the Roundtables on Sustainable Palm Oil and Responsible Soy (RSPO and RTRS). She advises and represents companies across a wide range of sectors from agri-commodities, marine and fisheries, natural resources, energy and water through the supply chain to consumer goods and retail.

She currently serves on the Boards of the National Centre for Atmospheric Sciences (NCAS), the Marine Management Organisation and is a Trustee of the National Biodiversity Network. Belinda holds an award-winning Masters in Business Administration and Diploma in Company Direction.

**Professor Corinne Le Quere CBE FRS**

*University of East Anglia*

See here for Biography: <https://tyndall.ac.uk/people/corinne-le-quéré>

**Professor Michael Meredith**

*British Antarctic Society*

**Biography:** Professor Michael Meredith was Coordinating Lead Author for the Polar Regions chapter of the IPCC Special Report on Oceans and Cryosphere in a Changing Climate. Michael is an oceanographer and Science Leader at the British Antarctic Survey in Cambridge, UK, where he serves as head of the Polar Oceans team. He led the design and delivery of the multi-institute, £10M ORCHESTRA programme, which is unravelling the role of the Southern Ocean in controlling global climate. In 2018, Michael was awarded the Tinker-Muse Prize for Science and Policy in Antarctica, and the Challenger Medal for exceptional contributions to Marine Science.

**Phil Williamson**

NERC-UKRI/ University of East Anglia

**Biography:** Phil works for NERC/UKRI as a science coordinator at UEA. He has led the planning and implementation of many multi-institute and multidisciplinary research initiatives on climate change and its impacts, based at Plymouth Marine Laboratory in the late 1980s and the International Geosphere-Biosphere Programme in the early 1990s. Recent activities have included programmes on ocean acidification, shelf sea biogeochemistry and greenhouse gas removal. In addition to lead authorship of the IPCC Special Report on Ocean and Cryosphere in a Changing Climate, Phil has authored reports on ocean fertilization for the Intergovernmental Oceanographic Commission, on ocean acidification for OSPAR, and on climate geoengineering for the UN Convention on Biological Diversity.



**Prof Mat Collins**

*College of Engineering, Mathematics and Physical Sciences, University of Exeter*

**Biography:** Mat Collins holds the Joint Met Office Chair in Climate Change in the College of Engineering, Mathematics and Physical Sciences at the University of Exeter and is Associate Dean for Research and Impact. His research interests are in physical aspects of climate change. He has over 130 peer-reviewed publications and was awarded highly cited status in 2018. He has served twice as Coordinating Lead Author for the Intergovernmental Panel on Climate Change. He currently leads two major NERC-funded climate research projects, 'Emergence of Climate Hazards' and 'Robust Spatial Projections of Real-World Climate Change'. He is a fellow of the RMetsS and past Vice-President

**Prof Melanie Austen**

*Plymouth Marine Laboratory*

**Biography:** Professor Melanie Austen is Head of Science at PML leading the Sea and Society area of interdisciplinary marine science where her main research focus is marine ecosystem services and natural capital. She is a member of the UK Government's Natural Capital Committee and of its Joint Nature Conservation Committee (JNCC), Chair of the Partnership of the UNESCO Biosphere Reserve in North Devon. She served a 3-year term as the first Chief Scientific Advisor to the UK's Marine Management Organisation. She leads UKRI's Global Challenges Research Funded project Blue Communities focused on coastal communities and their environment in SE Asia.

**Dr Andrew Russell**

*Panel member*

**Biography:** Dr Andrew Russell is Senior Science and Policy Analyst at the Committee on Climate Change. He analyses flooding and coastal change and was the lead author for the Committee's report on Managing the Coast in a Changing Climate. He has previously been a university lecturer, associate editor of a scientific journal and a science communicator. The Committee on Climate Change (the CCC) is an independent, statutory body established under the Climate Change Act 2008. Its purpose is to advise the UK Government and Devolved Administrations on emissions targets and report to Parliament on progress made in reducing greenhouse gas emissions and preparing for climate change.

**Jane Rumble**

*Head of Polar Regions Department*

**Biography:** Jane Rumble joined the Polar Regions Department in the Foreign & Commonwealth Office in 2003, and has been Head of Department since January 2007. Jane leads on all Antarctic issues for the UK Government and oversees the UK's engagement with the Arctic Council. Jane also oversees delivery of the 'Blue Belt' programme to enhance marine protection around the UK Overseas Territories. Jane was made an OBE at the Queen's Birthday Honours in June 2018 for services to Polar science, marine conservation and diplomacy; and was made an honorary Doctor of Science by Leeds University in July 2018.

**Prof Richard Betts MBE**

*Met Office Hadley Centre*

See here for Biography: <https://www.metoffice.gov.uk/research/people/richard-betts>

**Dr Emily Shuckburgh**

*University of Cambridge*

**Biography:** Dr Emily Shuckburgh is Director of Cambridge Zero at the University of Cambridge and Reader in Environmental Data Science at the Department of Computer Science and Technology. 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.

Dr Shuckburgh leads the UKRI Centre for Doctoral Training on the Application of AI to the study of Environmental Risks (AI4ER). Until April 2019 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 at British Antarctic Survey.

In the past she has worked 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.

**Damitha Adikaari**

*Department for Business, Energy & Industrial Strategy*

**Biography:** Damitha Adikaari is the Director of Science & Innovation for Climate and Energy at the Department for Business, Energy and Industrial Strategy – leading work on delivery of the department's Energy Innovation Portfolio and, Energy Engineering and Climate Science Advisory. An engineer by profession with industrial and academic background specialising in energy and innovation, he is a Fellow of the Institution of Engineering and Technology.

**Stephen Cornelius**

*WWF UK*

**Biography:** Since 2015 Dr Stephen Cornelius has been WWF's Chief Adviser on Climate Change. He leads WWF's engagement with the IPCC. Stephen spent over a decade working on science and policy around international climate change for the British Government including the UNFCCC negotiations and the IPCC fourth assessment cycle. He was once a chemical engineer and, with the rise of electric vehicles, his PhD in control engineering about controlling pollution from petrol-engine cars will soon be redundant.

## **Henry Dimbleby**

*Leon / NFS*

**Biography:** Henry Dimbleby co-founded the Leon restaurant chain, before going on to become Director of London Union, which runs some of London's most successful street food markets. He was a co-founder of the Sustainable Restaurant Association and co-authored The School Food Plan (2013), which set out actions to transform what children eat in schools and how they learn about food.

Henry Dimbleby was given the role of lead non-executive board member of the Department for Environment, Food and Rural Affairs in March 2018. In June 2019 the Environment Secretary appointed Henry Dimbleby to lead the National Food Strategy.

Henry previously worked as a Strategy Consultant at Bain & Company (1995-2002) where he advised businesses on strategy, performance improvement and organisational design.