



RMetsS Virtual Student & Early Career Scientists Conference 2020

Keynote Speakers

Monday 29 June 2020

13:45 - 15:00

Session 5 - Climate Change

Chaired by RMetsS Student Committee members, Joanna Raymond and Kris Boykin.

Keynote Speakers:

- Dr Tamsin Edwards, Senior Lecturer in Physical Geography
- Carla Denyer, Green Party Parliamentary Candidate for Bristol West & Councillor for Clifton Down
- Professor Julieanna Powell-Turner, Centre for Research into Environmental Science and Technology, University of Chester
- Professor Joseph Howe, Thornton Energy Research Institute

Tuesday 30 June 2020

14:00 - 15:00

Session 9 - Science Communications

Chaired by RMetsS Student Committee members, Hannah Brown and Shaun Dempsey.

Keynote Speakers:

- Clare Nasir, Met Office
- Dr Dan Jones, British Antarctic Survey
- Rebecca Hemmingway, ECMWF

Dr Tamsin Edwards



Dr Tamsin Edwards is a climate scientist specialising in quantifying the uncertainties of climate model predictions, particularly for the Antarctic and Greenland ice sheet contributions to sea-level rise. She is a Senior Lecturer in Physical Geography at King's College London, and director of their MSc programme on Climate Change: Environment, Science and Policy.

Tamsin is a Lead Author of the forthcoming Intergovernmental Panel on Climate Change (IPCC) Sixth Assessment Report (to be published in 2021) and a Contributing Author to the IPCC Special Report on the Ocean and Cryosphere in a Changing Climate (2019). She



regularly advises the UK Government and national institutions on sea-level rise, climate science and science communication, and provides expert comment to international media and business.

Tamsin is an award-winning communicator, including through Twitter (@flimsin), her blog for the Public Library of Science, PLoS (All Models Are Wrong) and articles for the Guardian. She regularly appears on various news outlets as an expert commentator for climate related news stories, included BBC News at 10, ITV News, BBC R4 Today Programme.

Carla Denyer



Carla is a Green Party councillor in Bristol. In 2018 she proposed the first Climate Emergency motion in Europe, committing Bristol to go carbon neutral by 2030. This started a wave of similar motions across the country, with over 400 local authorities, plus the UK Parliament and Scottish and Welsh governments, having now followed suit.

Before entering politics, Carla worked as an engineer in the renewable energy industry, specialising in offshore and onshore wind technology. She was the 2019 Green Party parliamentary candidate for Bristol West and was also a candidate in the 2019 European Elections.

Professor Julieanna Powell-Turner



Julieanna is an experienced Environmental Scientist with over 20 years UK and overseas experience gained through academia and the private/public sector. Her expertise covers environmental sustainability and relates to the challenges, vulnerabilities and opportunities of resource management.



She is particularly interested in the environmental process improvements of materials, products and services through life (design to re-manufacture). Here, she applies strategic foresight to future threats and opportunities that may reduce the likelihood and/or impact of supply disruptions through risk identification (disruptions), assessment (occurrence and impact), action (strategy and mitigation) and monitoring (reduce risk). In her spare time, she looks after her growing menagerie of animals, and enjoys nothing better than being in the great outdoors.

Professor Joe Howe



Professor Howe's background is in geography and planning, environmental science and environmental engineering. His own research in sustainable energy systems has contributed towards significant advances in approaches to industrial clean growth and the opportunities afforded by a net zero economy.

He joined The University of Chester's Thornton Science Park in 2014, led the design and construction phase of their Local Growth Deal funded multi-vector Energy Centre, played a central role in enabling BEIS and the British Geological Survey to decide to locate the UK Geo research observatory in North Cheshire and is involved in many energy intensive industrial initiatives within the Mersey cluster.

Professor Howe was appointed as a non-executive director and trustee of the Department for Education's Engineering Construction Industry Training Board in 2018. He is the founding director of the North West Hydrogen Alliance which brings together some of the UK's most influential business driving forward the work to develop the region as the UK's primary hydrogen economy. Recently he has been an academic advisor to the All Party Parliamentary Group inquiry into carbon capture, use and storage, he is a member of the Cheshire Energy Hub Board, an Academic Associate of the National Nuclear Laboratory, the academic advisor to the Rocksavage International redevelopment group and the academic member of the National Grid Future of Gas Stakeholder Advisory Group.

Joe takes a strong and active interest in the public communication of science and remains ever enthusiastic about the importance of industry in delivering a clean, sustainable and prosperous future.



Clare Nasir



Having spent the last 20 years working in meteorology, Clare began her career as a forecaster with the Met Office before joining GMTV as a presenter and producer. For the last ten years she has worked for CBBC as a documentary presenter on the show Fierce Earth and continues to forecast and present the weather for the BBC, Weather Channel and then Channel 5. Currently Clare is a content producer for the Met Office, as well as an anchor for Channel 5 weather.

She has just co-written a book with Simon King (BBC) – ‘*What does rain smell like?*’ as well as having published 4 children’s books on weather. Additionally, Clare is a communication advisor to a renewable energy investment company.

Dr Dan Jones



Dr Dan Jones is an oceanographer at the British Antarctic Survey. He entered oceanography via physics and applied mathematics; his typical regions of study are the Southern Ocean and the North Atlantic, which are both dynamic regions that feature strong exchanges of heat and carbon between the atmosphere and the deep ocean.

Outside of work, he spends time with his wife and son, squeezing in some reading and guitar playing when possible. In 2018, he started the *Climate Scientists* podcast, which features long-format conversations with climate-relevant researchers about science and life.



Rebecca Hemingway



Becky joined the European Centre for Medium-Range Forecasts (ECMWF) in April 2020 as a User Outreach and Engagement Officer. Previous to joining ECMWF she was at the Department for Business, Energy and Industrial Strategy (BEIS) in UK Government where she worked on Energy Resilience policy and was part of the Emergency Response team.

Becky started her career in weather at the Met Office in 2012 where she was a Weather Impact Scientist working on Hazard Impact Modelling as part of the Natural Hazards Partnership for 6.5 years.

During this time, she also undertook secondments in Forecasting, the Hazard Centre, Government Services and worked in the Weather and Climate Science for Services Partnership Team. Becky is co-Editor-in-Chief of Atmospheric Science Letters and an active member of the Royal Meteorological Society.

She has a passion for STEM and school outreach activities and loves to horse ride in her spare time. Becky has a Master's Degree in Oceanography from the University of Southampton and University of Washington.