

# Sustainability and Climate Change Education in Schools & Colleges - Creating solutions to support Government Strategy

Monday 9<sup>th</sup> – Tuesday 10<sup>th</sup> May 2022

## Biographies



### **Dr Khawla Badwan**

Khawla is Senior Lecturer in Applied Linguistics at Manchester Metropolitan University. She is appointed by the Quality Assurance Agency as the Chair for the Linguistics Subject Benchmark Statement Review Panel which aims to embed sustainability in the subject benchmark statement. She is one of the investigators on the Treescapes: Voices of the Future Project, funded by the Natural Environment Research Council. The project develops new methods of engaging children and young people in designing, creating and caring for treescapes, including natural woodlands and urban parks. Khawla collaborates with scientists, social scientists, school leaders and professionals from a range of local organisations to plan and deliver innovative teaching materials for primary school children.

Through her work with the Quality Assurance Agency, Khawla has experience of embedding sustainability as a guiding principle in subjects that have not historically been linked to sustainability such as English and Linguistics. She utilises this knowledge to develop teacher training resources for English teachers, focusing on place-based pedagogies and sustainability discourses, leading to enhancing belonging and civic participation among children and young people, as well as developing key skills related to education for sustainable development.



### **Meg Baker**

Meg is interim Director of education at Students Organising for Sustainability-UK. SOS-UK is an educational charity created by students and staff at NUS in response to the climate emergency and ecological crisis. We support students to learn, act and lead for sustainability.

As interim director of education Meg oversees SOS-UK's education work, programmes and campaigns. This involves working across the student movement and with partner organisations to reform the education sector by enhancing the embedding of learning for sustainability for all students, at all levels of study, in the UK and internationally. Meg is also currently seconded to University and College Union (UCU) for 1 day/week to progress UCUs work supporting members on the Green New Deal for Universities and Colleges.



### **Beatrice Barleon**

Beatrice joined EngineeringUK in February 2020 as the organisation's Head of Policy and Public Affairs. Before coming to EngineeringUK Beatrice has worked in the charity sector for over 10 years in a range of policy, campaigning and public affairs functions. In her current role, she works closely with EngineeringUK's research team, developing EngineeringUK's policy positions in relation to a range of issues affecting young people's access to STEM and in particular engineering related roles. The engineering sector will be vital in ensuring the UK will meet its net zero and wider sustainability targets and will therefore require many more young people to choose a career in this field. At EngineeringUK, we have highlighted the importance of good STEM careers provision in this context, enabling young people to know about the opportunities available to them, as well as the impact they could have in those roles.



### **Alex Beard**

Alex started out as a teacher in London, before joining Teach For All, a growing network of organizations working in sixty countries worldwide to ensure all children fulfil their potential, where he now heads the Global Learning Lab, which seeks to deepen global understanding of how to bring about systemic transformation in education. He's fortunate to spend his time travelling the world in search of the future of learning, and has written about his experiences for the Guardian, Financial Times, and Wired. He presented The Learning Revolution, a three part series on the future of education for BBC Radio 4, and is the author of Natural Born Learners, a guide to transforming learning in the twenty-first century.



### **Mohammed Alam Begi**

Mohammed is an Associate Researcher and Co-Chairs the Learners Council at The Foundation for Education Development. He also works for the Education Strategy Unit at the City of London Corporation and has been supporting the resettlement of Afghan refugees. Mohammed has developed a strong passion for education due to his personal experiences. He was born and grew up in rural Afghanistan before migrating to London where he began school in 2012. Despite not speaking any English when he arrived in the UK, within 6 years, he obtained a place at the University of Oxford, graduating in 2021, and has been offered a place for graduate study at Harvard University. Mohammed is passionate about access to higher education and has served as a member of the Social Mobility Foundation's Student Advisory Board and is a regular panel member at Harris Federation's Annual Oxbridge Conference.



### **Andrew Charlton-Perez**

Andrew has worked on climate and atmospheric science for more than twenty years, predominantly at the University of Reading with more than 90 publications in a range of professional journals. He has provided expertise and leadership to many international climate science bodies including the World Climate Research Programme and World Meteorological Organisation. He was the co-organiser of the University of Reading National Climate Education summit in 2021 and subsequent Climate Education Action plan. He is a long-standing member of the Royal Meteorological Society education committee, a member of the DfE Sustainability and Climate Change policy user group and the lead of the new Climate Ambassadors scheme.



### **Clare Cox**

Clare, Sustainability and Climate Lead for Pearson School Qualifications. Strategy, design and development of qualifications and assessment within sector and across curriculum for Sustainability and Climate. Extensive experience in vocational qualifications across sectors in Business, Creatives, Education and Workskills. and including product design, assessment and quality assurance. Additional area of interest in mental health.



### **Eugene Dapper**

Eugene consults with organisations domestically on strategy, leadership and teacher recruitment and retention. Alongside his work at the FED, Eugene is currently the Independent Chair for the Norfolk Commissioning Hub, a strategic partnership, co-ordinating groups of stakeholders across Norfolk to support school improvement.

Eugene recently served as the Lead Researcher and Project Manager for the WISE-funded Securing the 21st Century Teacher Workforce Project. He is currently completing his PhD in Leadership at University College London, Institute of Education, on the factors influencing the construction and communication of a head teacher's vision and values. Eugene has also worked as a researcher guiding the development of UCL's Global Leadership Competencies Project.

A trained teacher, Eugene has experienced leading London based schools as an Assistant Headteacher and Head of Year. Eugene served as the chair of the Teaching and Learning Committee in his role as parent governor at St Elizabeth Primary School and was an Executive Committee Member of the College of Teachers. At the College, Eugene was an active member of the Advisory Group supporting the creation of the new Chartered College of Teaching.



### **Heena Dave**

As a former Head of Science at Bedford Free School, Heena is an experienced school leader and co-author of 'Cracking Key Concepts in Secondary Science'. She is currently Senior Curriculum Designer at the Teacher Development Trust, the national charity for effective professional development and is responsible for creating evidence-informed learning for school leaders. She previously worked at the Environment Agency as Research Manager and as Head of Programmes and Partnerships for the outdoor learning and environmental education charity Learning through Landscapes. She is currently completing a Doctorate in Education at the University of Stirling on what makes effective environmental education in schools.



### **Ben Dyer**

Ben is the Co-Founder of The Inspirational Learning Group, an organisation committed to developing the enterprise and employability skills of young people across the UK. To date, their real life enterprise and employability programmes have been delivered to 400,000 young people. In 2021, The group was sold to Dev Clever PLC with the company now offering DEV's careers success platform Launch You Career to schools and colleges across the UK.



### **Kate Gillingham**

Kate is Head of UK Government and Public Affairs at The LEGO Group. Based in London she leads LEGO's engagement in the UK on environmental and social responsibility issues, including LEGO's commitments to learning through play, responsible digital engagement and environmental sustainability.



### **Sorcha Grant**

Sorcha has been Associate Consultant at the Foundation for Educational Development since April 2022. She attended two State Comprehensive schools in Redbridge and Barking and Dagenham. In 2017 she gained a place to study History at the University of Oxford and in 2020, she went on to study a Masters Degree at Durham University. Since her graduation in September 2021, she has been working as a tutor to school age students across the country and also working in the Events Industry where she has gained an invaluable leadership and management experience. She is highly committed to FED's vision of a ten year plan for Education and is determined to ensure that we have an Education system that is inclusive for all young people, regardless of their starting point in life.



### **Alex Green**

Alex is the Schools Lead for Ashden, a climate solutions charity based in London. Alex leads on Let's Go Zero 2030, a campaign that supports UK schools working together to be zero carbon by 2030. She sits on the DfE User Group for their Sustainability & Climate Change Strategy and previously managed Ashden's sustainable school awards and peer to peer LESS CO2 programme for 7 years before launching the Let's Go Zero campaign in 2020. Alex has a Masters in Environmental Management from the University of Cape Town and has previously worked running an environmental business awards scheme for a local authority, supporting small businesses to cut carbon and regulating industry at the Environment Agency.



### **Henry Greenwood**

Henry is a secondary maths teacher who developed the role of sustainability coordinator at his school before using that experience to set up Green Schools Project in 2015. The organisation has worked with over 130 schools, supporting pupils to run environmental projects and delivering teacher training on climate education. He is now overseeing a new Zero Carbon Schools programme, working with 8 schools directly in London and 35 schools remotely around the country.



### **Dr Leigh Hoath**

Leigh is an Associate Professor at Leeds Trinity University with a specialism in science education. She works with the BBC as an educational consultant, as well as BASF developing their outreach and engagement. Leigh is an author of science education books, journal articles and a regular presenter at national and international conferences. She also plays a very prominent role with the Association for Science Education. Her interest in Sustainability and Climate Change education is focussed around the meaningful integration of this into teaching and learning and chairs a working group to influence this agenda.



### **Billy Huband-Thompson**

Billy is an Associate at The Centre For Education and Youth. He has worked on a range of projects at CfEY, including a large-scale consultation concerning the challenges facing marginalised 16-25 year-olds in Buckinghamshire, mixed-methods evaluations of outdoor learning programmes, and a report concerning Covid's impact on higher education outreach. Billy is currently working on an evaluation of one of the Department for Education's opportunity areas. As part of CfEY's policy strand, he tracks new policy developments and helps ensure our reports and campaigns are driven by the best available evidence. As chair of the curriculum committee on his local secondary school's governing body, Billy has a particular interest in how climate change education can be advanced while protecting teacher workload.



### **Lauren Hyams**

Lauren is an experienced public engagement professional. She is currently the Head of Urban Nature Programmes at the Natural History Museum. Before starting at NHM, she led the digital training team for educators at the Raspberry Pi Foundation and worked on establishing the National Centre for Computing Education, funded by the Department for Education. Her work has a particular focus on designing learning experiences and building partnerships to engage more and a greater diversity of young people and teachers.



### **David Jones**

David is Vertical and Horizontal Markets Manager at NCFE. He leads a project which is focused on identifying future skills needs in the changing world of work and education, as part of that David also leads on NCFE's approach to sustainability. He believes in the power of education being available for all, promoting and advancing learning as a driver to address inequality and disadvantage. David has worked in education for the majority of his career, prior to NCFE he was Country Manager for a North East University with responsibility for student recruitment and partnership development in a number of European Markets.



### **Emma Knights OBE**

Emma, is Chief Executive of the National Governance Association (NGA) - the leading charity for guidance, research, advice and training for school governors and trustees. Prior to her appointment in 2010 she was joint CEO of the Daycare Trust. Before that, she worked in a number of roles in the voluntary sector, particularly in the Legal Services Commission, Citizens Advice and the Local Government Association. As well as leading projects on child poverty and educational attainment, Emma has written on a wide range of topics and is co-author of the Chair's Handbook.

She regularly addresses legislators and the media on governance issues, as well as school governors, trustees, clerks and school leaders. She was a governor at a secondary school in Warwickshire for seven years. In 2018, Emma was awarded an OBE for services to education.



### **Tina Lucas**

Tina is an experienced CEO, board director and senior leader with over 30 years strong track record in learning services working in the public, private and not for profit sectors across the UK, NZ, Australia, Middle East and Asia. She is presently the Group CEO of Cognition Learning Group, a New Zealand headquartered group of learning companies (Cognition, Wavelength and Begin Bright) working in the UK and over 20 other countries globally supporting governments and businesses on education and learning transformation.



### **Dr Rania Marandos**

Rania is an independent consultant in the non-profit sector and National Director for the Foundation for Education Development. She believes in the power of young people and collaboration to achieve lasting system change.

Rania started her career at the London Probation Service and then focused on large-scale capability building programmes at McKinsey & Company. As Head of Strategy at Teach First, she led on shaping the charity's renewed vision and strategy with multi-stakeholder involvement, resulting in the development of ambitious collective goals to address educational inequity that the Fair Education Alliance is working towards achieving. Rania was a founding team member and later Chief Executive of Step Up To Serve, the time-limited charity that coordinated the #iwill campaign until 2020. She enabled organisations from all sectors to work in partnership with young people to solve our most pressing societal challenges.

Rania is Trustee of United Learning Trust and London Bubble Theatre Company and a mentor to charity leaders through the Cranfield Trust. She has a BSc and PhD in Psychology from the University of York.



### **Dr Geoff Mackey**

Geoff is a Fellow of the Inst of Directors, the Royal Society of Chemistry and the Institute of Environmental Management & Accounting. He is also a member of the UK Trade and Business Commission; and a Trustee of Lantra and the Association for Science Education.

His passion is to close the communication gap between industry and education and ensure a sustainable future for all, with future business needs to the fore.

Geoff is a Director of BASF plc, responsible for a service portfolio in UK & Ireland, and BASF's Sustainability network in Europe. He has been within the BASF group for more than 20 years and advises a wide range of strategic and tactical groups inside and outside the organisation covering private, public and third sector in arenas including science, environment and further education.

He was brought up on a small family farm in South Armagh, N. Ireland, read biology in Liverpool and followed it with a range of post graduate qualifications in Health & Safety and management including a sleepless MBA. His doctorate concerned the strategic business value of social networks. He was delighted to be the 2018 Forward Ladies Male Agent of Change and in 2005 was awarded the Rotary International Service Above Self award.



### **Sharon McHale**

Sharon has nearly 30 years of experience as a civil servant working across various Departments across Whitehall. She is currently heading up the team responsible for the delivery of the new National Education Nature Park and the Climate Leaders Award within the new Sustainability and Climate Change Unit within the Department for Education.



### **Loic Menzies**

Loic is a researcher and policy specialist with twenty years' experience in the education and youth sector. He has led numerous high-profile studies on issues ranging from youth homelessness to teacher recruitment and is editor of "Young People on the Margins: Priorities for Action in Education and Youth" which was published by Routledge in Spring 2021.

Loic was previously Chief Executive of the think and action tank The Centre for Education and Youth and is a former teacher, youth worker and tutor for Canterbury Christ Church University's Faculty of Education. He has also been a school governor and a trustee of a number of youth and social entrepreneurship charities. He is currently working on his next book, focused on education policy making and is a National Director FED as well as a Policy Advisor at Cambridge University Press and Assessment. He is a Visiting Fellow at the Sheffield Institute of Education.



### **Dr Jim Pugh**

Jim is the Director of the Institute of Education at Staffordshire University, leading an innovative collection of academics and professional staff. Jim is member of the University's Executive Board and works across several cross organisational projects. One of these projects is the upcoming Woodlands Forest School which will serve as a pilot in the upcoming DfE Sustainability and Climate Change Strategy projects.



### **Professor Samantha Twiselton OBE**

Samantha is the Director of Sheffield Institute of Education at Sheffield Hallam University - a national centre of education research and practice, recognised for its excellence and innovation in teaching and learning. In this role she uses her research and practice in the development of teacher expertise to develop a range of innovative workplace embedded approaches to Initial and Continuing Teacher development.

With experience in teacher education, curriculum development and language and literacy, Sam has been heavily involved in shaping and advising Government policy on teacher education. She sits on many advisory groups, chaired the DfE Core Content in ITT group and is the Deputy Chair of the Doncaster Opportunity Area Board. Sam is a Founding Fellow and former Vice President (external) of the Chartered College of Teaching. She is trustee for several multi academy trusts, teaching school hubs and educational charities. In June 2018 she was named in the Queen's Birthday honours as a recipient of an OBE for services to Higher Education.



## **Carl Ward**

Carl is Chief Executive of the City Learning Trust; a 3 to 19 MAT in Stoke on Trent, Staffordshire and Chair of the Foundation for Education Development. He has regional, national and international experience in leadership development and school to school improvement and has supported national and international projects and conferences for a range of organisations.

In a career that spans 26 years in teaching, 18 of them in senior leadership, Carl has worked in a range of schools and organisations across a number of settings. Further to this, Carl was ASCL President in 2017-2018 and between 2009 and 2011; formed part of the Prime Minister's Talent & Enterprise Taskforce and has advised the Number 10 policy unit on several aspects of education.

Carl is Chair of the Careers and Enterprise Company's Education Advisory Board and has previously been Chair for the Schools Cooperative Society and the Chartered College of Teaching's trustee selection committee. He is a serving council member of the International Confederation of Principals, a member of the Global Education Leaders Partnership. In addition, Carl has been a member of the Education Funding Agency advisory board; DfE School and Academy Funding Group; Confederation of School Trust board and the European School Headteachers Association.

Most recently in 2020, Carl was recognised for his impact in education and named as a Fellow of the Chartered College of Teaching and as a Fellow of the Leadership Council at the Center for Universal Education, Brookings Institute, Washington DC.