

**PROGRAMME**

- 10:00 **Welcome**
Christopher Gleadle
CEO, PAF
- 10:05 **Nele Fabian**
European Affairs Manager at the European Dialogue Programme,
Friedrich Naumann Foundation for Freedom
- 10:15 **Panel Discussion: Embedding systems thinking into education to advance sustainably viable action for improved climate, environmental, biodiversity and societal outcomes.**
- Dr Shann Turnbull**
Socioeconomic reformer, Principal, Institute for Self-Governance
- Deborah Curtis**
Writer, artist and social entrepreneur, creative director The Great Imagining
- Raichael Lock**
Manchester Environmental Education Network
- Aliza Ayaz**
United Nations Goodwill Ambassador
- Alexandra Barrueta Sacksteder**
Sustainability, carbon emission and innovation strategist
- Dr Isabel B Franco, PhD, Ma, MBAC**
Senior International Advisor in sustainability science, policy, and practice; Global Chairperson,
Women Sustainability Forum
- Moderator: **Christopher Gleadle**
CEO, PAF
- 11:30 **Break**

11:40 **Systems thinking in transport – implications for education in sustainably viable transport with inclusive, climate and community assured outcomes.**

Danial Naqvi

Sustainable Consumption Institute, Joint PhD, Integrating Urban Sustainability and Digital Platforms

Audrey Denis

Strategy Manager, Cubic Transportation Systems

Dr Imad Ahmed

Energy and Climate Advisor

Moderator: **Christopher Gleadle**

CEO, PAF

12:55 What Happens Next – Christopher Gleadle, CEO, PAF

13:00 Thank You and close

About The Event

The first Conference of the Parties (COP) was held in Berlin, Germany in March 1995. The latest is COP26, Glasgow, UK, November 2021. Not much has changed since then. Consequently, Climate Change has taken on a Kafkaesque quality and morphed into the Climate Emergency.

“Insanity is doing the same thing over and over and expecting a different result.”

Albert Einstein

Underlying causes stem from business-as-usual decision-making, actions and reporting at national, regional, industrial, or financial level that lacks ‘environmental’ return on investment to inform better decisions. As a result of the persistent failure of decision makers to move the narrative from diagnosing the problems and offering linear fragmented answers, there is now a less than five per cent chance of keeping temperatures well below 2°C above pre-industrial levels and less than one per cent chance of reaching the 1.5°C target set by the IPCC and embedded within 2015 Paris Agreement.

“Theoretical work can spin-off under its own momentum reflecting little of the empirical world.”

Elinor Ostrom, 1990

The remedy is to offer harmonised systemic integrated solutions, to take a holistic system view of the relationships among the fragmented parts of organisations, economies, communities, and the natural environment to account for the effects of multiple interacting investment, organisational, environmental, governance and social ecosystems. To take account of feedback loops to reduce pressure on ecosystem services, the inflow of raw material, and absorption of outflow that it will be useful in various ways - for environmental management, biodiversity, community well-being and economic management. How thinking in three-dimensions can promote the tackling of multiple challenges of mankind’s impact upon the biosphere simultaneously.

“Sometimes it’s not about things but the relationship between things.”

Christopher Gleadle, 2015

Accordingly, in this event we bring together leading practitioners and academics to discuss how education has an opportunity to drive immediate positive climate impact through developing deeper systems thinking within all subjects. And, moving this discussion forward into the real world and linking to the sphere of transport and how balanced system approaches between diverse technologies and behaviour can rapidly decarbonise transport and thus all that relies upon mass movement in a global community.

Bios

**About Aliza Ayaz**

Aliza is an international climate activist and the world's youngest United Nations Goodwill Ambassador. She jointly won the United Kingdom Youth Outstanding Commitment to Sustainability Award at University College London, and has spoken at United Nations, London International Model United Nations, and UK Parliamentary events. With a bachelors in Population Health Sciences and a MSc in Infectious Disease Epidemiology, Aliza has worked in non-medical fields too, as a social enterprise consultant for McKinsey and Cambridge Judge Business School. She is an advocate for education, health, and social issues, and led the youth motion to declare climate emergency at the UK Parliament.

**About Dr Shann Turnbull**

Shann Turnbull was educated as an electrical engineer in Tasmania and a scientist in Melbourne. After obtaining an MBA from Harvard he became a serial entrepreneur founding new enterprises including two public mutual funds and three firms that became publicly traded. He obtained additional experience as Chair and/or CEO of listed companies as a founding member of a private equity group that acquired and re-organized eight public companies. He wrote *Democratising the wealth of nations* in 1975 and became a founding author of the first educational qualification in the world for company directors. His PhD research established the science of governance by using bytes as the unit of analysis. He is prolific author on reforming the theories and practices of capitalism by adopting ecological forms of controlling and owning realty, enterprises, and money. Shann resides in Sydney, is married with three children, four grandchildren, a snow skier and tennis player.

**About Dr Isabel B Franco**

Isabel B. Franco, Ph.D, MA, MBA is a Senior International Advisor in sustainability science, policy and practice interested in exploring the role of the industry in fostering sustainable, inclusive development. She does this through the development, refinement and application of sustainability assessment, methods and techniques. Dr. Franco has applied such tools to various industries such as, extractives (mining, oil and gas), higher education, finance and banking, public sector and international development, in geographical contexts as diverse as Australia, Japan, Thailand, Colombia, Chile, Bolivia, Angola and Zambia. She has been an international advisor for various international organisations, namely, UNDP, UNESCAP, UNU and British Council. Editor at the Scientific Journal *Sustainability Science*, she is the author of various peer-reviewed publications and the co-author of the book *Actioning the Global Goals for Local Impact: Towards Sustainability Science, Policy, Education and Practice* as well as the United Nations books: *Socially Responsible Business: A Model for a Sustainable Future* and *The Corporate Agenda of Sustainable Development*. With Postdoctoral studies from the United Nations University – Institute for the Advanced Study of Sustainability, she has managed large multilingual research and consulting projects globally. Dr. Franco has also held

academic advisory and academic appointments at the Keio University (Japan), The University of Queensland (Australia), Utrecht University (Netherlands) University of Zambia (Zambia) and Universidad Nacional de Colombia (Colombia). Dr. Franco is the Global Chairperson at the WomenSustainability.Forum. Her work can be consulted at DrIsabelFranco.com.



About Danial Naqvi

Danial is a Joint PhD Business & Management student at the Universities of Manchester & Melbourne. He researches what changing models of urban governance and business strategy mean for achieving sustainability targets through ongoing digitisation trends. Having completed a BA (Hons) Human Geography from Queen Mary, University of London and MSc Science, Technology and Society from UCL, Danial yields a unique academic skillset matched with a practical approach to problem solving and critical thinking. Finally, Danial is a committee member at the National Liberal Club Sustainability Forum and is involved with other initiatives promoting sustainability across UK cities.



About Alexandra Barrueta

Alexandra is a Sustainability Strategist from Mexico who lives in Manchester, UK, and cares deeply about running responsible organizations. A published author in the fields of responsible management and communication, her current research is focused on the implementation of carbon reduction strategies. She has over a decade of international experience in Sustainable Managerial strategy and policy implementation and holds degrees in both Finance and Economics, and International Management. She is currently pursuing a PhD at the University of Manchester and is proud to have been described as a 'dangerous feminist' by Mexican politicians.



About Dr Imad Ahmed

Imad is an Energy and Climate Advisor. He is author of a book published by Palgrave Macmillan (September 2021), *The Political Economy of Hydropower Dependant Nations: A Case Study of Zambia*. In addition, he is a Postdoctoral Research Fellow in resilient infrastructure in resource constrained settings at the UCL Bartlett School of Sustainable Construction. He has previously worked as an investment professional in African private equity; as a transactions and policy advisor to the Rwandan government, helping the government negotiate privately funded thermal and renewable energy projects; and as an economist for a climate change focused consultancy. He has a PhD in Infrastructure Economics and Finance from UCL, a Master of International Business from The Fletcher School, Tufts University and a BA in Economics from the University of California, Berkeley.

**About Audrey Denis**

Audrey is a Strategy Manager at Cubic Transportation Systems. Audrey has over six years of transit industry experience across strategy, business development and project management. As a New York City native and a transplant to Washington DC, Audrey is passionate about bringing innovation to cities to provide more reliable and accessible mobility options to travellers. She is committed to a future mobility network that is more sustainable, equitable and reliable.

**About Deborah Curtis**

Artist, writer, and social entrepreneur Deborah Curtis has been devising and producing learning adventures for children and young people for over 20 years. Through young people's arts and education charity The House of Fairy Tales she has worked in partnership with over 50 different cultural institutions including TATE, The National Trust, The Royal Shakespeare Company, Ironbridge Gorge Museums Trust, Edinburgh Arts Festival, Glastonbury, Royal Horticultural Society and the National Maritime Museum Greenwich.

The resulting projects have included live events, interactive exhibitions and publications and she has collaborated with over 600 creative educators of all ages who have included artists, filmmakers, designers, engineers, academics, scientists, technologists, and magicians. With the charities new international initiative, The Great Imagining, she is embarking on the funding, design and build of a two-week immersive exhibition programme for secondary schools in the UK. She is currently an active member of many international coalitions including the Common Earth network, Culture Declares Emergency and Our Shared World.

**About Raichael Lock**

Raichael Lock has been the director of a small charity called the Manchester Environmental Education Network (MEEN) for nearly 20 years. MEEN networks Greater Manchester schools on issues of sustainability whilst delivering projects with young people on issues such as climate change, waste, and soils.

Raichael also co-delivered the NW Sustainable Schools agenda on behalf of the Department of Children Schools and Families during the late 2000s and has worked for the Federation of City Farms and Community Gardens. She has undertaken various consultancy roles focused on environmental education and is currently writing up her Ph.D. which is researching one of MEEN's programmes.