



ANNUAL CONFERENCE 2024

Tuesday 22nd October 2024

Merchant Taylors' Hall | 12.00pm - 7.30pm

PLANNING FOR A RESILIENT FUTURE

Conference Programme



WELCOME FROM FOUNDER & CHAIR OF LCAAG

Alderman Canon Alison Gowman CBE DCL (Hon) MstJ JP



Welcome to the 3rd Annual Conference of the Livery Climate Action Group. This Conference coincides with the anniversary of the launch of the

Group on 18th October 2021. Since then, we have grown in numbers and purpose and are pleased to record 105 Livery Companies and associated City organisations as our members.

The Conference is a time to meet and network and we know how valuable this is for our members and the Livery generally. We can learn so much from each other and this is the basic premise of the Group: to provide support and help to everyone. We know that Livery Companies have different drivers and will respond uniquely to the climate change challenge; we are keen to recognise this diversity and to support all Liveries in writing a climate action plan/strategy/statement. This purpose is at the heart of your life as a Livery Company, because climate change is an impending reality and is a concern for all, especially for our future generations.

The City of London Corporation, businesses and stakeholders expect us to be addressing this issue and we must be answerable.

Our Conference theme is “Planning for a Resilient Future”. It is clear how climate change is already impacting our weather patterns with excessive rain, drier winters and hotter summers all making an adverse impact on our buildings, infrastructure, gardens, agriculture, transport and health. The Conference will tackle these areas and pose the challenges but also provide answers and hope.

We are especially pleased to have the Lord Mayor, Alderman Professor Michael Mainelli, open our Conference. His lifetime, professional leadership on green issues will give us a great insight. With the future definitely in our minds we also have a selection of Livery sponsored schools and their students, providing displays and speaking to us about their work. Alongside some of our Learned Societies there is a lot to assimilate outside of the main Conference Hall during our breaks.

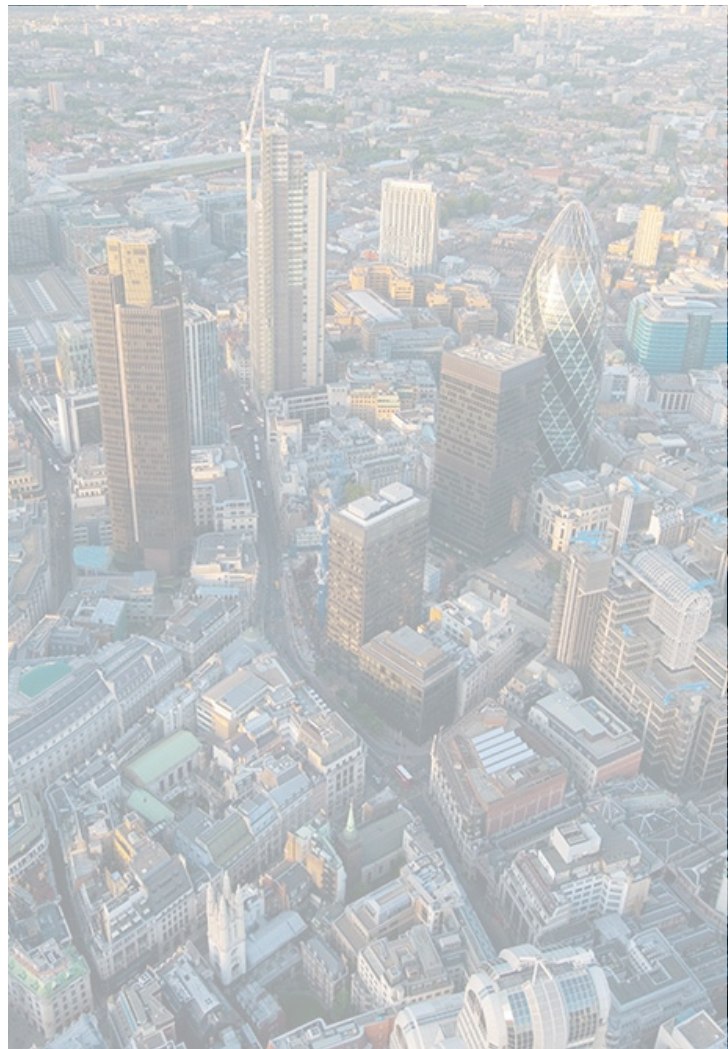
I am very grateful to our supporters and sponsors this year and thank them for their engagement with the Livery Climate Action Group. They are listed later in this programme.

Enjoy the Conference!

A handwritten signature in black ink, appearing to read 'Alison Gowman', written in a cursive style.

PROGRAMME FOR THE DAY

- 12.00 Registration opens
- 12.30 Light Lunch and poster displays and stands:
- **Learned Societies:** Pollinating London Together, The Institute of Physics and The Institution of Environmental Sciences
 - **Schools:** Hugh Myddelton, City of London School for Girls and Simon Langton
- 13.30 Conference opens with Alderman Alison Gowman
- 13.35 **Keynote Speaker:** Alderman Professor Michael Mainelli, FCCA FCSI(Hon) FBCS Lord Mayor of the City of London 2023-24
- 13.50 Allan Barton will pose the challenges to Panels of distinguished professionals:
- 14.05 PANEL 1: WATER (Prof. Carolyn Roberts, Tim Munday, Dr David Lloyd Owen)
- 14.35 PANEL 2: ENERGY (Prof. Averil MacDonald, Ashutosh Shastri, Jon Clark)
- 15.05 PANEL 3: BIO-DIVERSITY (Dr. Heather Barrett-Mold, Ben Bishop, Dr Cristina Banks-Leite)
- 15.35 Tea and Cake, plus
- **Learned Societies:** Displays continue
 - **Schools' displays added:** St Saviour's and St Olave's, Walsall Academy
- 15.55 Walsall Academy will discuss their project as highlighted by the BBC.
- 16.15 PANEL 4: SKILLS (Alex Hughes, Simon Sadinsky, Faiza Khan)
- 16.40 **Keynote Speaker:** Prof. Thomas Waite OBE, UK Deputy Chief Medical Officer on health and climate change
- 17.05 Dr Emma Howard-Boyd will share the key points from The London Climate Resilience Review
- 17.27 Sum up and close
- 17.30 Toasts, champagne and canapes
- 19.30 Close



SPEAKER BIOGRAPHIES

Alderman Canon Alison Gowman CBE DCL (Hon) MstJ JP



Alison is a City Lawyer who has specialised in commercial real estate at DLA Piper. She was their first female partner and remains an active

consultant. She has senior expertise in development, landlord and tenant matters, insolvency and waste management.

She has been an elected member of the City Corporation since 1991 being first a Common Councillor and, since 2002, the Alderman for Dowgate Ward. She has served on most of the City's committees including as Chair of the City Bridge Trust and of the City of London School for Girls. She currently serves on the Markets Board, Bridge House Estates Board, Hampstead Heath Committee and Investment Committee. She served as Sheriff of the City of London 2021-2022.

Alison has a long involvement with environmental matters and is now the City's lead member on sustainability/climate action, biodiversity and urban greening. The City is delivering an ambitious net zero plan that is funded and on track.

This led to her founding the Livery Climate Action Group that boasts over 100 members who are crafting their own plans and advocacy on climate issues.

Alison is a Governor of the Museum of London and a trustee of Trust for London. She became a Lay Canon and member of Chapter at St Paul's Cathedral in October 2023.

She was awarded an Honorary Doctorate of Civil Law by Durham University and was honoured with a CBE in the King's Birthday Honours - both in 2024.

SPEAKER BIOGRAPHIES

Alderman Professor Michael Mainelli FCCA FCSI(Hon) FBCS

Lord Mayor of the City of London 2023-24



Michael Mainelli was elected as Lord Mayor of the City of London on 29 September 2023 and took office on 10 November 2023.

He previously served as Sheriff of the City of London from 2019-2021, being granted an extraordinary second year in that office, the first time since 1228, in order to provide continuity during the Covid-19 pandemic.

Educated at Harvard University and Trinity College Dublin, Michael gained his PhD at London School of Economics where he was also a Visiting Professor. Originally a research scientist in aerospace (rocket science) and graphics in the USA and Switzerland, he created the first commercial digital maps of the world in Cambridge. He entered the City of London in 1984 ahead of Big Bang, becoming a partner in 1987 with BDO Binder Hamlyn, and in 1995 a Director of Ministry of Defence research. During a mergers & acquisitions spell in merchant banking with Deutsche Morgan Grenfell, he co-founded Z/Yen, the City of London's leading think-tank, promoting societal advance through better finance and technology.

Z/Yen is renowned for the Global Financial Centres Index, Global Green Finance Index, Long Finance, and numerous technology and finance projects.

He has served as Alderman for Broad Street since 2013; President of Broad Street Ward Club; member of Lime Street and Farringdon Ward Clubs; Trustee of the Lord Mayor's Appeal, Lord Mayor's Show, Lord Mayor's 800th Anniversary Awards Trust, and Morden College; Professor & Life Fellow of Gresham College and Fellow of Goodenough College; Honorary Fellow of King's College London; Council Member for City & Guilds. Michael is non-executive director of an AIM-listed mining firm and the United Kingdom Accreditation Service overseeing UK laboratories and quality standards. Past posts have included Almoner of Christ's Hospital, International Financial Advisor to the Taoiseach, and London Waterways Commissioner, as well as Trustee of the International Fund for Animal Welfare and Ocean Alliance.

Michael is passionate about the Livery as a Past Master of the World Traders, Honorary Liveryman of the Worshipful Companies of Furniture Makers, Water Conservators, Marketors, and Tax Advisers, Craft-Owning Freeman of the Watermen & Lightermen, and member of the City Livery Club and Guild of Freeman. Michael works to maintain the City's pre-eminence as the world's leading professional, business, legal, technical, and financial services centre, championing the three C's of Commerce, Community, and Charity.

His wife, Elisabeth, is from Bavaria. Elisabeth trained in hotel management and has worked in Germany and London, where she became a personal assistant to the managing partner of a large accountancy firm. They married in 1996 and have three children. She continues to work at her events company and is a director of a property management company. Elisabeth is a Liveryman of the Worshipful Company of Masons and a Freeman Honoris Causa of the World Traders. As former Thames barge owners restoring SB Lady Daphne over two decades, they retain deep links with the sailing barge community and the venerable Thames Match (1863). Michael and Elisabeth chaired the Guildhall British Red Cross Christmas Market in 2017.

Michael's hobbies include skiing, woodcarving, diving, dicing with bagpipes, racing sailboats, and dabbling in German, Italian, and French, but even worse Mandarin. He has written over 60 journal articles, 250 business articles and a few books. His humorous novel, *Clean Business Cuisine: Now and Z/Yen*, written with Ian Harris, was a Sunday Times Book of the Week in 2000; *Accountancy Age* described it as "surprisingly funny considering it is written by a couple of accountants". *The Price of Fish: A New Approach to Wicked Economics and Better Decisions*, also with Ian Harris, won the 2012 Independent Publisher Book Awards Finance, Investment & Economics Gold Prize.

SPEAKER BIOGRAPHIES

Prof. Thomas Waite OBE



Prof. Thomas Waite OBE is the Deputy Chief Medical Officer leading on health protection. His role covers emergency response and

preparedness, infectious diseases, vaccines and therapeutics.

Thomas is a consultant epidemiologist and completed his clinical and public health training in south Wales. He is a graduate of the European Programme for Interventional Epidemiology Training and has postgraduate qualifications in public health, medical toxicology and medical education.

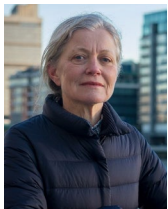
He has a wide range of experience dealing with outbreaks and environment emergencies in the UK, Africa, South East Asia and the Caribbean.

Career highlights:

- helped establish the UK Public Health Rapid Support Team. As the senior epidemiologist he led their first deployment to the Somali region of Ethiopia to respond to outbreaks of acute watery diarrhoea
- in 2017 he was deployed to support health protection work in the Caribbean region as part of the recovery from hurricanes Irma and Maria
- has held a range of leadership roles in Public Health England including the Extreme Event Health Protection team, NIS Global Public Health team and as Director of the Field Epidemiology Training Programme
- during the COVID-19 pandemic, Thomas helped create the Joint Biosecurity Centre (JBC) and subsequently became its Director of Health Analysis

He was Interim Deputy Chief Medical Officer from July 2021 to April 2022 supporting the Chief Medical Officer on the COVID-19 response.

Dr. Emma Howard-Boyd



Emma has been the Chair of the London Climate Resilience Review, published in July 2024, leading the delivery of its work since it was commissioned summer 2023.

Emma has had an extensive career in financial services at the forefront of the climate change, environmental and sustainable finance agenda. She is currently Chair of ClientEarth, Chair of the London Climate Resilience Review, Vice Chair of Climate Resilience for All and a Global Ambassador for Race to Zero and Race to Resilience.

She was Chair of the Environment Agency and an ex-officio board member of the Department for Environment, Food and Rural Affairs from 2016 to 2022. She recently stepped down as Chair of the Green Finance Institute.

Emma serves on several boards and advisory committees which include:

- The Major Projects Association
- Climate Arc
- The European Climate Foundation
- Emma was the UK Commissioner to the Global Commission on Adaptation from 2018 until its sunset in January 2021.

Allan Barton



Allan's career has led him towards being passionate about this wonderful planet we live upon, his main particular focus is on sustainability. For the past 15 years he has worked for Arup, a global engineering consultancy, as their Global Business Leader for Resources and Waste. This allowed him to travel the world, helping people understand how they can handle the planet's resources in a better way. He now regularly lectures on the topic of Sustainability and the concept of a Circular Ecology and Circular Economy and treasuring our planet for future generations.

TOASTS

Master Merchant Taylor - Duncan Eggar



Duncan has been a member of the Company since 1973, a member of the Livery since 1982 and of the Court since 2008. He was previously Master of the Company in 2018/19.

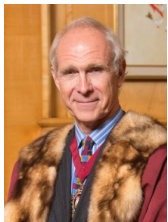
On leaving BP he championed bioenergy research for the UK Research Councils for 5 years, during which time the Master Brewer 2024/25 was one of his Principal Investigators.

Duncan is a retired Chartered Civil Engineer and has a degree in civil engineering from the University of Nottingham.

In his early career he was involved in major UK infrastructure projects, including the National Theatre, railway bridges, a deep-water iron ore and coal import jetty, the Thames Barrier and Heathrow Terminal 4.

Moving to BP he oversaw the design, construction, installation and maintenance of several offshore oil and gas platforms; this included a 3 year posting to New Zealand. He then moved to engineering for and management of global aviation fuels operations; this included a 2 year posting to southern Africa. His final phase at BP was focused on strategic planning for a sustainable future and included the management of a major project investigating future of urban development with Tsinghua University.

Immediate Past Master Mercer - Peter Lane



Peter Lane was Master of the Mercers' Company in 2023/2024 and has been a member since 1980. He is now retired but previously spent 30 years working

in the City as a Portfolio Manager and Investment Adviser, including 21 years at Rothschild.

At the Mercers' Company he sits on the Court of Assistants, Finance, Investment, Property and Philanthropy Committees. Peter was Chair of Governors at Hammersmith Academy until July 2022 and served as a Governor at Dauntsey's School for 6 years.

Peter is a Trustee of the Friends of Fortune Green, a small park/open space in North West London and organises outdoor film shows for local residents. He is concerned about the effects of climate change and how to reduce CO2 emissions. Peter also regularly volunteers for the Keep Britain Tidy Campaign.

Peter's hobbies include walking and hiking, fitness, music, theatre, literature, travel, history walks in London, cricket and rugby and he is a member of the MCC. He makes occasional appearances as an extra in TV and film productions. He also leads city walks and country rambles for Members on the Mercers Walking Society.

Peter lives in Kensal Green and is married with three daughters.

PANELLISTS' BIOGRAPHIES

Water



Chair - Prof. Carolyn Roberts

Professor Carolyn Roberts is a water management specialist, who has worked, researched and published globally. She specialises in human impact on the water cycle but has wide interests in environmental management. Alongside an academic career at Exeter, Gloucestershire and Oxford Universities, the latter where she directed the Environmental Sustainability Knowledge Transfer Network for UK Government agency Innovate

UK, she ran her own environmental consultancy. Currently, she is leading a major legal case against six English water companies, for sewage spills, and she has often supported police investigating murder victims floating in rivers.

Carolyn was the first Professor of Environment at Gresham College London. She has Chaired the Institution of Environmental Sciences, and Society for the Environment. Periodically she appears in the media, including 'The Life Scientific' on Radio 4, and as an expert to the TV fiction series 'Silent Witness'. She is the Worshipful Company of Water Conservators' Thames Warden.



Tim Munday

Tim Munday is the Lead Environmental Resilience Officer at the City of London Corporation. He's responsible for the team tasked with making the streets of the Square Mile ready for the impacts of climate change and mainstreaming climate resilience across the organisation. During his time at the City Corporation Tim has worked on creating the first Riverside Strategy for implementing the Thames Estuary 2100 Plan, is involved with the Sub

Regional Integrated Water Management Plan for East London, and reviews the sustainable drainage proposals for development within the City.



Dr. David Lloyd Owen

David Lloyd Owen is Managing Director of Envisager, a strategic consultancy based in West Wales advising governments, multilateral institutions, financiers and companies on water and wastewater market, policy, regulatory, environmental and management drivers. Projects have ranged from the potential for capital efficiency opportunities with the World Bank, to project dispute arbitration and exploring various aspects of

sludge handling and management.

Since 1996, he has worked as an independent consultant. David has written ten books on water finance, technology, markets and management. He has a doctorate in applied ecology from Oxford University, a degree in environmental biology from Liverpool University and is a Chartered Environmentalist (MCIEEM, CEnv), a Chartered Geographer (FRGS, CGeog) and a Fellow of the Chartered Institution of Water & Environmental Management. He is also a Court Assistant of the Worshipful Company of Water Conservators, where he oversees the Company's responses to consultations.

PANELLISTS' BIOGRAPHIES

Energy



Chair - Prof. Averil MacDonald

Averil is Emeritus Professor at the University of Reading and recently came out of retirement to be EDI lead for a photonics project at University of Southampton.

Averil was awarded the international Bragg Medal and Prize (1999) by the Institute of Physics, London, the accolade of Woman of Outstanding Achievement in Science (2007) in recognition of her work in Science Communication, the prestigious Plastics Industry Award

for Personal Contribution to the Industry (2007), Honorary Doctorates by the University of York (2010) and Kingston University (2015) and an OBE in the Birthday Honours list 2015 for services to women in science.

From 2019-2021 Averil was Master of the Worshipful Company of Fuellers in the City of London working alongside HRH Prince Edward (then the Earl of Wessex as Royal Master). Throughout her time as she championed future energy solutions to decarbonise the UK, with a particular emphasis on using hydrogen to decarbonise the UK's heating systems and to make decarbonised HGVs a reality. She is also focusing the Fuellers' charitable work on supporting students from disadvantaged backgrounds to consider STEM qualifications as a route into the energy sector through three main charities: Teentech, Generating Genius and Smallpiece Trust.

Averil was Chair of the Board of UKOOG, the professional association for UK Onshore Oil and Gas industry, advocating decarbonising gas to generate blue hydrogen.



Jon Clark

Jon is an experienced energy corporate finance professional, who chairs the Industry Group for The Worshipful Company of Fuellers. Jon has advised on international acquisitions, divestments and fundraising covering around 40 countries globally and acting for a diverse range of energy market participants including utilities, energy majors, national oil companies, governments and financial sponsors.

Jon is a Chartered Accountant, a Chartered Fellow of the Securities and Investment Institute and he holds the CF - Corporate Finance professional designation.



Ashutosh Shastri

Ashutosh is the founder of EnerStrat Consulting - a London based international strategic management consultancy practice in the Energy Sector and is currently serving as a Junior Warden in the Worshipful Company of Fuellers. He also serves as Advisor, Global Gas Centre, Geneva; Distinguished Fellow (non-resident) at the Washington DC based Energy Policy Research Foundation Inc. (EPRINC) and Member of the UN Group of Experts on Gas.

Ash has authored several published papers on Global Unconventional/Shale Gas, LNG, Smart Grids and Wind Energy. He has chaired several prestigious UN Conferences on Energy Policy and Trade. He is actively involved in several committees of the World Energy Council. Prior to founding EnerStrat, he was an expert consultant in the global energy practice of McKinsey and Company based in London between the years 1995-2003. Prior to McKinsey, he worked as a TQM/ISO-9000 Champion and a Project Engineer in India.

Ash is an Electrical Engineer with specialisation in High Voltage Engineering and Power Systems from the Victoria Jubilee Technological Institute, Mumbai, India.

PANELLISTS' BIOGRAPHIES

Bio-Diversity



Chair - Dr. Heather Barrett-Mold OBE

Heather is Vice Chair of the Pollinating London Together Charity and leads their science and education work. The main objective is to prevent the decline of pollinators in the City of London and beyond and help green space managers to improve habitats with pollinator friendly planting and space for nesting.

Heather is a Past Master of the Gardeners Livery Company, and founder member of the Livery Climate Action Group.

Heather is a Chartered Scientist, Chartered Horticulturist, Chartered Environmentalist and Chartered Biologist. She was Principal/CEO of Pershore Group of Colleges and responsible for a 600 acre mixed farm and fruit production and cider unit. Now Vice Chair of Governors at Capel Manor College. She was a member of the Government Advisory Panel on Sustainable Development Education for its lifetime of 5 years, and then Advisor on the Secretary of State Sounding Board. Heather was an expert with the Commission for Sustainable London 2012, and Secretary of State Board member for the Chilterns Area of Outstanding Natural Beauty. She is a Fellow of the Linnaean Society, Vice President of the Institution of Environmental Sciences, Past President of the Institute of Horticulture, and previous Chair of the Science Council.



Ben Bishop

Ben is an Environmental Resilience Officer for the City of London Corporation, in his role he focuses on biodiversity and ecology, nature based solutions for climate adaptation and wider topics relating to climate resilience. Through his work he supports the delivery of two major Climate Action programmes including ‘Cool Streets and Greening’, whilst coordinating with a range of stakeholders to enhance biodiversity within the Square

Mile. He has worked in the field of urban nature conservation for nearly seven years, engaging communities in community science, environmental education and raising awareness through building partnerships, including coordinating a feature for BBC’s ‘Saving our Wild Isles’.



Dr. Cristina Banks-Leite

Dr Cristina Banks-Leite is a Reader in the Department of Life Sciences at Imperial College London and investigates the causes and consequences of biodiversity change in human-modified areas. Her research has provided subsidies for local policy in Costa Rica and the implementation of two environmental resolutions and a federal decree in Brazil. More recently, she is working with reforestation companies and the City of

London Corporation to help these institutions measure biodiversity change meaningfully, and adapt their management practices to best promote biodiversity gains.

Winner of multiple awards in ecological science, conservation and teaching, and was featured as one of 15 influential female researchers in the UK. She has served as Board member for the council of international ecological societies, editorial boards for leading international journals in ecology and conservation, and she is currently a panel member for two funding agencies. She also two small children and is a strong advocate for minorities in science.

PANELLISTS' BIOGRAPHIES

Skills



Chair - Alex Hughes

Alex is a social entrepreneur, founder of Inspire 2 Ignite CIC and recently appointed Chair of the Green Jobs Foundation. He is a youth empowerment champion and community leader with the lived experience in engaging young people with their communities. He has a self-confessed obsession for the role infrastructure plays in the integration of educational pathways to help build bridges into industry across Cambridgeshire.



Simon Sadinsky

Simon is an Executive Director at The King's Foundation, overseeing the organisation's education, health and other charitable activities. In addition to his role at The King's Foundation, he serves on the Governing Board of the Global Centre on Healthcare and Urbanisation at Kellogg College, University of Oxford, is a Research Fellow at the University of Grenoble, a Professor of Practice at the University of Wales and sits on the All-Party Parliamentary Group on Craft. Prior to joining The King's Foundation, Simon worked within the community development sector in the UK, US and internationally. He holds an MSc in Population and Development from the London School of Economics, an MA Urban Policy from the University of Illinois-Chicago, a BA Political Science from Colorado College and is currently completing a PhD in Urban Studies at the University of Glasgow.



Faiza Khan MBE

Faiza is Director, Corporate Affairs & Foundation, City and Guilds, leading a core team across public affairs, communications, and policy to maximise social purpose and business impact across City and Guilds. Previously, Director, Engagement & Insight for The National Lottery Community Fund, Director, Policy and Communications for Paul Hamlyn Foundation and wider experience drawn from working with many organisations to help

overcome societal and systemic barriers to widen opportunities for all. Faiza is passionate about achieving social change and has worked across charities, communities and government agencies at both local and national level to support better outcomes for those experiencing disadvantage. She has served as a Non-Executive Director and advisor to many cause-driven organisations, including as a Trustee for End Child Poverty. In 2014, Faiza received an MBE for services to young people, following her long-term commitment to supporting positive change for children and young people

WALSALL ACADEMY

Panel



Walsall Academy Eco Club was founded following the COVID periods of national lockdown, as students had seen the benefits of spending time outdoors and engaging with nature and the positive impact that this had on their mental health and well-being. Eco Club consists of students from Year 7 to 6th form, who meet once a week in our 'Jubilee Garden' to plant, sow, weed, grow, harvest and nurture our plants and pond, as well as taking on other eco initiatives, such as saving energy and

litter picking on the site and local area. One of the biggest successes of the club, is lobbying the Governing Board to invest in solar panels for the school roof and showcasing this in the BBC coverage of COP26.

Eco Club was one of just 50 schools of the 1400 national participants to take part in the more immersive Superbloom project, culminating in a visit to the Tower of London in Summer 2022. Walsall Academy took part in the 'Queen's Green Canopy' initiative and were honoured to be awarded a Silver Birch from the 'tree of trees', which is now thriving in the Jubilee Garden.

[Walsall Academy's Eco Club tackles climate change - BBC News](#)

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IOP Institute of Physics

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- 20th November 2024
- 7th January 2025



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WITH THANKS

The Livery Climate Action Group Conference 2024 is supported by The Worshipful Companies of the Mercers, Merchant Taylors and Haberdashers, The City of London Corporation and GLH.



City of London Corporation - Climate Action

The City of London Corporation adopted its radical Climate Action Strategy in 2020. It aims to reduce carbon emissions, build climate resilience, and champion sustainable growth.

Through the Strategy the City Corporation commits to achieving: net zero by 2027 in the City Corporation's operations; net zero by 2040 across the City Corporation's full value chain; support net zero by 2040 across the Square Mile; climate resilience in our buildings, public spaces and infrastructure.

Find out more about the Strategy, including progress and how you can get involved, by scanning the QR Code.

