IAQM Institute of Air Quality Management

Routes to Clean Air 2026

21st - 22nd October 2026

Delegate Pack



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The Institute of Air Quality Management (IAQM) is the professional body for air quality professionals.

The mission of the IAQM is to be the authoritative voice for air quality by maintaining, enhancing, and promoting the highest standards of working practices in the field and for the professional development of those who undertake this work.

Routes to Clean Air

Routes to Clean Air (RTCA) is an annual two-day conference where air quality, public health, and transport professionals share their experiences of improving air quality.

The year's conference will be focused on the most relevant subjects in air quality measurement, monitoring, and modelling with an emphasis on practical application, innovation, and lessons learned from real-world projects. This follows the IAQM's decision to absorb topics that were previously covered under the separate Dispersion Modelling User Group (DMUG) and Measuring Air Quality (MAQ) conferences under the 'RTCA' umbrella.

RTCA provides an interactive forum to share emerging work, applied research, and technical developments, and to encourage discussion between practitioners, policymakers, and researchers.

Venue Address and Information

Venue Address: thestudio, 7 Cannon Street, Birmingham, B2 5EP.

The main conference will take place in the Explore Room on the second floor. Parallel sessions will take place in the Discover Room on the first floor. The Atrium on the second floor will be used for refreshment breaks, lunch, networking, and as our sponsor and exhibitor space.

The evening drinks reception will take place in the Atrium from 6:15pm and the dinner and awards ceremony will be hosted in the main conference room (Explore) from 7pm on Wednesday 21st October.

Please see the venue's website for more information.

Venue Accessibility

The Explore and Discover rooms, as well as the Atrium are all fully accessible.

If you anticipate needing any type of assistance to fully participate in the conference, please email events@the-ies.org to discuss further.

Transport

- 3 minute walk from Birmingham New Street Station
- 6 minute walk from Birmingham Snow Hill Station
- 12 minute walk from Birmingham Moor Street Station
- Nearby parking at Grand Central Car Park
- 25 minute drive from Birmingham Airport

Conference Layout

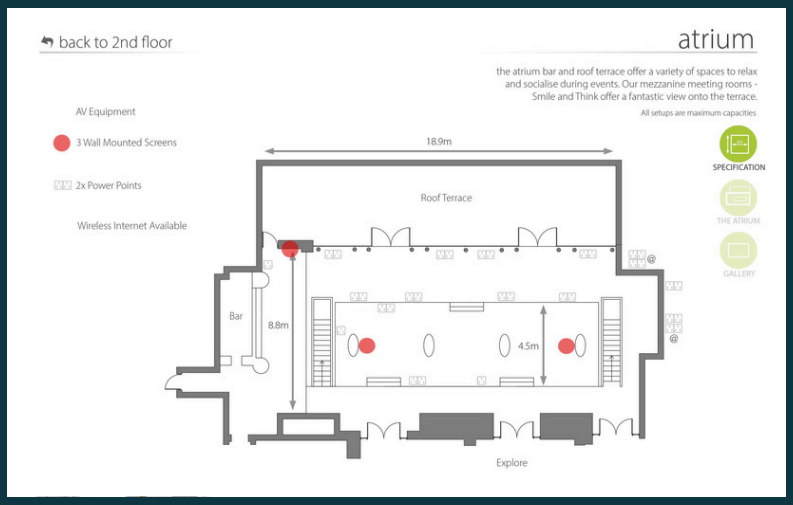
The main conference room (Explore) is on the second floor with an LCD projector, sound system, handheld, and lapel microphones. The room will be set with circular tables in a cabaret style. The presentation screen will be at the front of the room.

The networking and exhibition space will be held in the Atrium which is immediately off of the main conference room. This space will also be used for refreshment breaks and lunch breaks.



The Discovery room on the first floor will host the breakout sessions, inc. the MCERTs discussion, Openair workshops, and LAQM Helpdesk





Slido for Q&A

There will be opportunities throughout the day to ask questions.

You can raise your hand and wait for a microphone, or if you prefer, you can submit them on Slido where they will be asked on your behalf.

You can access Slido by entering the code be;pe into slido.com, or by scanning the QR code.

Code: 1309093

Agenda - Day 1

#RTCA26

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IAQM Institute of Air Quality Management

	Wednesday 21st October			Parallel Sessions (Discover Room)
	Registration from 8:30am			
Session 1: **Measurement Techniques** Chaired by Sarah Horrocks	9:15am	Conference welcome	Sarah Horrocks	
	9:25am	**Keynote:** Measuring, monitoring, and modelling in a changing world	Prof. Francis Pope, University of Birmingham	
	9:50am	Review of MCERTS for indicative ambient particulate monitors	Tania Stratford, Environment Agency	
	10:15am	**Panel session:** MCERTS *Chaired by Daniel Marsh, Imperial College London*	Session speakers & Gordon Allison, DustScanAQ	
	Refreshment break 10:55am - 11:20am			
Session 2: **Indoor Air** Chaired by Helen Venfield	11:20am	INTERIORS: A new facility for understanding air pollution in homes	Prof. Nicola Carslaw, University of York	
	11:45am	Indoor air quality, ventilation, and building compliance	Emma Gibbons, University College London	
	12:10pm	Next stop, clean air: Lessons from rail station air quality monitoring	Philbert Chan & Connor Albutt-Wilkinson, Rail Safety and Standards Board (RSSB)	
	12:35pm	Q&A		
	Lunch 12:45pm - 1:45pm			
Session 3: **National & Local Modelling** Chaired by Helen Venfield	1:45pm	Met Office developments in air quality modelling	Dr Paul Agnew, Met Office	Discussion on MCERTS for sensors – route forward
	2:10pm	The use of monitoring to improve emissions estimates	Dr Jenny Stocker, Cambridge Environmental Research Consultants (CERC)	
	2:35pm	Trust in CFD for modelling air pollution dispersion in urban areas	Dr Steve Howell, Abercus	
	3:00pm	Q&A		
	Refreshment break 3:10pm - 3:30pm			
Session 4: **Farming & Nature** Chaired by Kieran Laxen	3:30pm	Odour management: Comply with your environmental permit	Nick Sauer, Environment Agency	
	3:55pm	Introducing STAIR: A new screening tool for air quality impacts from roads	Katharine Blythe, Natural England & Dan Whitten, AECOM	
	4:20pm	**Panel session:** APAS and JNCC updates *Chaired by Kieran Laxen, Kalaco*	Dr Susan Zappala, JNCC & Christy Carr, Irwin Carr Consulting	
	4:55pm	Day 1 wrap up	Sarah Horrocks	

Evening	5:00pm	Informal networking
	6:15pm	Drinks reception
	7:00pm - 10:00pm	Dinner & Awards ceremony (9:00pm)

Agenda - Day 2

#RTCA26

Institute of Air Quality Management

	Thursday 22nd October			Parallel Sessions (Discover Room)
	Registration from 8:30am			
	9:15am	Welcome and reflections on day 1	Sarah Horrocks	
Session 5: **Ambient Monitoring & Regulatory Evidence** Chaired by Sarah Horrocks	9:20am	**Keynote:** Measurement challenges in a regulatory context	Dr Gary Fuller, Imperial College London	openair v3.0 – a (re)introduction to air quality data analysis in R 9:55am - 10:55am
	9:55am	The OEP's assessment of progress in improving the natural environment in England and the focus on clean air	Darren Watson, Office for Environmental Protection (OEP)	
	10:20am	Regional Local Authority and bringing healthier air to schools	Matthew Clark, Hertfordshire County Council	
	10:45am	Q&A		
	Refreshment break 10:55am - 11:20am			
Session 6: **Human Health** Chaired by Chris Rush	11:20am	Evaluation of the effect of $PM_{2.5}$ due to domestic solid fuel burning on health outcomes in Scotland	Dr Clare Beattie, Air Quality Consultants	openair v3.0 – a (re)introduction to air quality data analysis in R 11:20am - 12:20pm
	11:45am	The Lung Chemistry Model in Python: A new computational model for predicting asthma exacerbation risk from indoor air pollutants	Dr Helen Davies, University of York	
	12:10pm	Q&A		
	12:20pm	**Guest interview:** Pedro Abreu, Air Quality Lead, West Midlands Combined Authority	Interview by Noel Nelson	
	Lunch 12:55pm - 1:55pm			
Session 7: **Developments in Modelling** Chaired by Chris Rush	1:55pm	The impact of climate change on regulatory dispersion modelling	Kieran Laxen, Kalaco	LAQM Helpdesk
	2:20pm	A new approach to making ambient measurements to quantify both vehicle emissions and concentration source apportionment	Prof. David Carslaw, University of York	
	2:45pm	The UK Compliance Air Quality Modelling System: Methods, components, and policy applications	Dr Nosha Assareh, Imperial College London	
	3:10pm	Q&A		
	Refreshment break 3:20pm - 3:40pm			
Session 8: **Looking Ahead** Chaired by Kieran Laxen	3:40pm	Air pollution challenges and next steps to tackle them	John Newington, Defra	LAQM Helpdesk
	4:05pm	Improving air quality through low carbon investments	Prof. Alastair Lewis, University of York	
	4:30pm	What's next for monitoring and modelling?	Prof. Roy Harrison OBE, University of Birmingham	
	4:55pm	Q&A		
	5:05pm	Conference close	Sarah Horrocks	

Breakout Sessions

Day 1 Breakout Session

During Session 3 of Day 1, there will be an **MCERTS roundtable** with Prof. Francis Pope, University of Birmingham; Tania Stratford, Environment Agency; and Gordon Allison, DustScanAQ. This will feature a presentation from DustScanAQ, and the opportunity to shape future MCERTS in the UK. If you are interested in attending please express interest at registration. Spaces are limited.

Day 2 Breakout Sessions

During Session 5 and Session 6, RTCA will host a hands-on breakout session with **Openair** experts Jack Davison, Senior Data Analyst at WSP, and Prof. David Carslaw, University of York.

This broad, high-level tour showcases Openair's software package, widely used in academia, government, and the private sector to access, explore, visualise, and interpret air quality data in an accessible and flexible way. Join this workshop to explore the package's most widely used tools, including downloading national UK air quality data, analysing trends in data to understand how concentrations have changed over time, and using bivariate polar plots to help pinpoint potential pollutant sources.

You will gain a practical overview of what is possible with Openair offering inspiration, context, and ideas for both new and experienced users working with atmospheric and environmental data. Spaces are limited.

During Session 7 and Session 8, staff from the **LAQM Helpdesk**, run on behalf of Defra and the Devolved Administrations by Bureau Veritas, will be available to support Local Authorities in person, to address air quality issues in their areas.

The Helpdesk break-out session will include a demonstration of the Emissions Factors Toolkit (EFT), along with the opportunity to ask questions and discuss topics including: air quality monitoring and modelling, emissions inventories, Air Quality Action Plans and Strategies, Statutory reporting requirements, and air quality legislation and policy processes.

Informal Information Sessions

During the refreshment breaks on day 1 and day 2, we will be hosting informal information sessions at the IES exhibitor table about the **Fellows** process, **Chartership** process, and opportunities to join the **IAQM Early Careers Network** (ECN). Please come and find us for an informal chat and to ask any questions that you might have.

Chairs



Sarah Horrocks

Chair of the IAQM

Sarah is a Chartered Environmentalist, Chartered Scientist, and Fellow of the IAQM and IES. She is the Head of Air Quality and Emissions at AtkinsRéalis and has over 25 years' experience in environmental consultancy. Sarah has expansive knowledge of atmospheric dispersion modelling and air quality monitoring, and has led air quality teams on high profile client projects including nationally significant infrastructure projects for road and rail schemes, power stations and a port expansion. She has prepared and presented evidence for DCO hearings and public inquiries and was one of the authors of the IAQM guidance for assessment of impacts on ecological habitats. Most recently, Sarah has been designing multi-parameter monitoring and management strategies for land remediation sites across the South East. She led the IAQM working group for brownfield monitoring guidance published in 2025. She is passionate about the need for good quality data in order to provide robust findings that can withstand scrutiny, and equally so about creating professional working environments that are truly inclusive.



Helen Venfield

Vice Chair of the IAQM

Helen is an Associate Director in the Air Quality & Environment team at Bureau Veritas. She has over 20 years of varied experience in the air quality industry, including academic research, national emissions inventory compilation and review, work for central and local government departments, and private development air quality impact assessments.

Helen's PhD research focused on the emissions of biogenic volatile organic compounds (BVOCs) and their impact on local air quality. Her continued interest in air quality and the natural environment has led her to undertake air quality assessments to inform the Habitats Regulations Assessments (HRA) for numerous Local Plans across the UK. This work has directed her attention to the emissions of ammonia from road traffic vehicles.

Chairs



Kieran Laxen

Vice Chair of the IAQM

Kieran is an air quality specialist with almost two decades' experience in consultancy and particular expertise in air quality, meteorology, and climate change. A 1st class masters graduate in Mechanical Engineering from the University of Warwick, his expertise has led to his appointment to air quality advisory committees for both the Welsh and Scottish Governments. He is the founder of Kalaco, a specialist air quality, meteorology, and climate change consultancy, and has played an active role in the work of the IAQM for over a decade. He has contributed to many of the IAQM publications and conferences and has led the development of the new IAQM guidance on air quality assessment for land-use planning, including new health-based approaches to the assessment of air quality effects. Kieran also has extensive practical experience of air quality assessment and as an expert witness, giving evidence at planning inquiries and hearings and to a Parliamentary inquiry.



Chris Rush

IAQM Committee Member

Chris is Director of Climate, Air & Noise at Pegasus Group. He is a Chartered Environmentalist, a Member of the Institute of Acoustics, a Full Member of the Institute of Environmental Management and Assessment, a Member of the IES and a Full Member of the IAQM.

He has a diverse portfolio of experience and has worked on a range of projects from initial site feasibility, through planning and development, to construction and operation. Chris's expertise covers planning, noise, and air quality, specifically in relation to residential developments, industrial fixed installations such as waste management centres, and transportation environmental impact on developments including air traffic. He has drafted, managed, and been part of a large number of impact assessments for air quality and acoustics ranging from screening through to environmental impact assessments.

Day 1

Session 1: Measurement Techniques



Prof. Francis Pope
Professor of Atmospheric Science,
University of Birmingham
Keynote Speaker

Professor Francis Pope is Chair of Atmospheric Science at the University of Birmingham and an environmental scientist specialising in air pollution, climate change, environmental data science, and resilient cities. He leads Birmingham's Environmental Health Sciences research theme, connecting more than 60 academics across atmospheric science, environmental sensing, public health, and policy.

Professor Pope has experience delivering analytical and advisory work for Defra, the Department for Transport, Transport Scotland and FCDO/DFID, and serves on Defra's Air Quality Expert Group. His research includes the development, evaluation, and deployment of low-cost air-quality sensor networks, low cost source apportionment, alongside work on transport emissions, Low Traffic Neighbourhoods, net zero transitions and environmental health.

Presenting

Measuring, monitoring, and modelling in a changing world

Low-cost sensors are transforming how we measure, interpret, and manage air pollution. This presentation will provide an overview of the current state of the field and highlight advances from recent projects. It will show how air-quality measurements can be combined with other complementary sensor data, including meteorological, noise, and radar data to provide deeper insight into pollution sources and human exposure indoors and outdoors.

Drawing on practical examples, the presentation will explore how integrated datasets can distinguish genuine pollution events from anomalies, reveal the behaviours and processes driving emissions, and improve data interpretation. It will examine the opportunities offered by integrated low-cost sensor networks while addressing key challenges, including sensor performance, data quality, uncertainty, validation and appropriate use. Finally, it will demonstrate how this rapidly evolving field can strengthen air-quality research and support more informed policy and decision-making.

Session 1: Measurement Techniques



Tania Stratford
Senior Advisor, Environment Agency

Tania Stratford is a Senior Advisor in the Environment Agency's Emissions Monitoring and Certification Scheme team, specialising in ambient air quality monitoring. Her work focuses on particulate matter measurement, instrument certification, and the development of monitoring standards.

A Chartered Environmentalist and Chemical Engineer, Tania has 15 years' experience in air quality monitoring and environmental regulation. She is particularly interested in the quality and reliability of air quality data and the role it plays in supporting informed decisions.

Presenting

Review of MCERTS for indicative ambient particulate monitors

This presentation will provide an update on the ongoing review of the MCERTS standard for Indicative Ambient Particulate Monitors. It will summarise work completed to date, emerging findings, and potential future developments for the scheme, with particular focus on construction dust monitoring.



Session 1: Measurement Techniques



Daniel Marsh

Programme Manager, Imperial College London

Chairing: Panel session: MCERTS

Daniel Marsh is Programme Manager for the Centre for Low Emission Construction (CLEC) at Imperial College London's Environmental Research Group within the School of Public Health. He leads applied research focused on reducing emissions from construction to improve local air quality, address climate impacts, and protect worker health. Working with construction sites as "living laboratories", Daniel and his team evaluate the real-world performance of emission abatement solutions through on-site emissions monitoring and occupational exposure assessment. His work generates practical evidence to inform regional and national policy and supports the wider adoption of cleaner construction technologies and practices.

Daniel is a member of the IAQM committee and contributes to advisory groups both with the IAQM and the Greater London Authority, helping shape guidance for the construction and demolition sector and for air quality professionals.

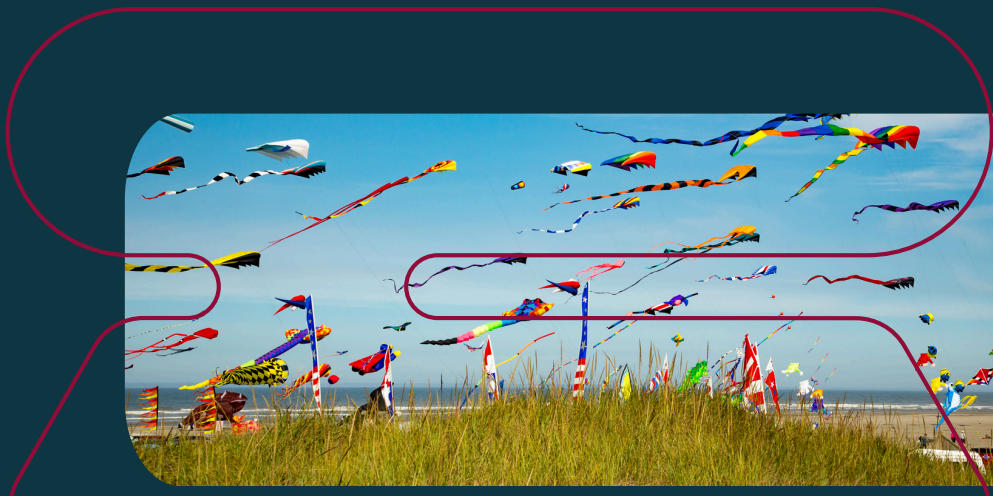


Gordon Allison

Principal Consultant, DustScanAQ

Speaker: Panel session: MCERTS

Gordon Allison has been involved in air pollution measurement for 30+ years, with a 25 year association with the University of Birmingham, air quality lead for HS2 for 3 years for the Parliamentary phase, and now does a lot of monitoring on particulate matter sources.



Session 2: Indoor Air



Prof. Nicola Carslaw
Professor in Indoor Air Chemistry,
University of York

Nicola Carslaw is a Professor of Indoor Air Chemistry in the Department of Environment and Geography at the University of York. Her research focuses on indoor air quality, particularly on the emissions from cooking, cleaning, building and furnishing materials, and from people's breath and skin. She is also interested in the chemical transformations that take place indoors following these emissions, and the conditions that lead to the accumulation of harmful air pollutants in homes and other buildings. She led the recent NERC INGENIOUS project, which studied the intersection between indoor air quality, behaviour, and resident health in homes in Bradford, and is now leading the NERC OUTBUILDING project, which is investigating how indoor emissions affect outdoor air quality. Finally, she is Scientific Director of the Wolfson INTERIORS facility, a globally unique facility that will enhance understanding of how air pollution behaves in people's homes.

Presenting

INTERIORS: A new facility for understanding air pollution in homes

This presentation will describe the new Wolfson INTERIORS (INTERdisciplinary Facility for IndOoR Air Quality ReSearch) facility at the University of York, which aims to provide better understanding of air pollution in homes. This globally unique facility consists of two three-bedroomed houses either side of an integrated air sampling laboratory. One house is built to typical UK building standards. The second is a proxy for Net Zero housing of the future, being much more airtight than the standard build house, and with a mechanical ventilation and heat recovery system. Both houses are naturally ventilated, connected to mains water and electricity, and furnished as per typical residences. A custom-built gas sampling system enables the research team to sample air from any room in either of the houses, but also from outdoors. INTERIORS enables us to explore the impact of emissions from building and furnishing materials, to probe indoor air quality when we carry out activities like cooking and cleaning, but also, to understand interactions between these emissions in realistic housing.

Session 2: Indoor Air



Emma Gibbons
Doctoral Researcher, University College London

Emma Gibbons (BSc Hons, CEnv, MIAQM, MIEnvSc) is a Doctoral Researcher at University College London. Her field of research is indoor air quality, with a focus on building ventilation and the ingress of ambient air pollution. Prior to her PhD studies, Emma was a Senior Consultant at Arup, and she has more than 15 years of experience in air quality consultancy. She is a Chartered Environmentalist, a full member of the IES and the IAQM, and the Chair of the CIBSE Air Quality Group.

Presenting

Indoor air quality, ventilation, and building compliance

Indoor air quality is a critical consideration for building design and operation. Effective and appropriate ventilation is essential to maintain healthy indoor environments, however, the challenge can be balancing energy efficiency with good indoor air quality.

In the UK, compliance is primarily governed by Part F of the Building Regulations, which requires buildings to provide adequate means of ventilation to protect occupant health. Building designers and developers are increasingly using certifications, such as BREEAM and WELL, to also demonstrate their commitment to occupant health and wellbeing, as these place additional emphasis on indoor air quality, ventilation effectiveness, pollutant control, and post-occupancy verification.



Session 2: Indoor Air



Philbert Chan
Air Quality Lead, RSSB

Philbert Chan is the Air Quality Lead at RSSB, where he leads national-scale environmental initiatives across the UK rail network. He has over 20 years of technical experience in air pollution monitoring, dispersion modelling, and emission inventories. At RSSB, he directs the GB rail industry's flagship Air Quality Monitoring Network (AQMN), managing continuous monitoring and data collection across major train stations to track key pollutants. His work bridges environmental science, operational considerations, and government policies - translating complex field data into actionable Air Quality Improvement Plans and industry guidance to create cleaner, safer rail environment.



Connor Albutt-Wilkinson
Air Quality & Emissions Specialist, RSSB

Connor Wilkinson is an Air Quality and Emissions Specialist with over seven years of experience in air quality monitoring, modelling and emissions assessment. He leads and supports a range of projects across the UK rail industry, including the RSSB Air Quality Monitoring Network (AQMN), helping to improve understanding of air quality within railway environments and identify effective mitigation measures. Connor holds an MSc in Air Pollution Management and Control from the University of Birmingham.

Presenting

Next stop, clean air: Lessons from rail station air quality monitoring

The RSSB Air Quality Monitoring Network (AQMN) is one of the most extensive rail-focused air quality monitoring programmes in Europe, providing valuable insight into air quality across a wide range of station environments. This presentation will outline the objectives and scope of the network, summarise key findings from the latest monitoring data and highlight the factors influencing pollutant concentrations at stations. The session will also explore the practical and technical challenges associated with operating a national monitoring network in an atypical variable environment, comprising a mix of open and enclosed spaces, unique emissions profile, and multitude of stakeholders. Approaches to tackle the challenges from an operational perspective, as well as data processing, will be discussed. Attendees will learn how monitoring data is being used to influence government policies, and to support industry decision-making, Air Quality Improvement Plans, and wider sustainability objectives.

Session 3: National & Local Modelling



Dr Paul Agnew
Air Quality Modelling Science Manager,
Met Office

Dr Paul Agnew manages the Air Quality Modelling team at the Met Office. The team are responsible for maintaining and developing the operational air quality forecast model. Trained as a physicist, Paul worked for the UK Atomic Energy Authority, studying radiation effects in materials, before moving to the Met Office. Here, he initially worked in aviation meteorology before moving to his current role in air quality science. He is a Chartered Physicist, Chartered Engineer, and a qualified teacher.

Presenting

Met Office developments in air quality modelling

The Met Office delivers the national air quality forecast on behalf of Defra and played a leading role in the Clean Air project. This presentation will give overviews of some recent activities and provide updates on Met Office developments post-Clean Air, on topics including: regional model developments, the air quality reanalysis, the Air Quality Data Portal, model-based pollen forecasting, use of outside air quality estimates in exposure studies, wildfire emissions forecasting, and an analysis of long-duration episodes of poor air quality.



Session 3: National & Local Modelling



Dr Jenny Stocker
Associate Director (Research), Cambridge Environmental Research Consultants (CERC)

Dr Jenny Stocker (BA, MSc, PhD) is an Associate Director (Research) at Cambridge Environmental Research consultants with over 25 years' experience working in the field of air quality and local climate, using CERC's ADMS and other modelling tools. Jenny currently manages a team that works on projects relating to model development, application and evaluation which commonly involve interrogation and processing of large and complex datasets (meteorology, emissions, air quality, at the local scale and regional scale). Jenny leads CERC's contribution to research projects including collaborations with: universities (e.g. Birmingham, Edinburgh, UCL and non-UK); government (e.g. EA, Defra, UKHSA); and committees (e.g. ADMLC). Her expertise lies in the ability to research and understand complex information, and analyse and evaluate data. Jenny communicates research outcomes with others in written and verbal formats; she is co-author of over 50 papers and has recently been made a Royal Academy of Engineering Visiting Professor at the University of Greenwich.

Presenting

The use of monitoring to improve emissions estimates

Air quality monitoring data can be used in a variety of ways to improve emissions estimates and air quality modelling outcomes. A range of methods, and examples from industrial and urban environments, will be presented. First, we will clarify the difference between data assimilation and data fusion, before giving examples of where data assimilation is already in commonly usage. Then, in terms of techniques, we will describe an inversion scheme that combines ADMS dispersion modelling applications with a Bayesian inversions method to optimise pollution source emissions, highlighting the importance of monitoring data placement/density, as well as sensitivity testing that provides confidence in scheme outputs. We will also describe how data assimilation of remote sensing datasets can be used to improve road traffic emissions estimates for urban air quality modelling. Two examples of data fusion techniques will be described briefly, before finishing with a discussion of the advantages and disadvantages of data assimilation compared to data fusion.

Session 3: National & Local Modelling



Dr Steve Howell
Technical Director, Abercus

Dr Steve Howell is a Chartered Engineer and has specialised in Computational Fluid Dynamics (CFD) for thirty years. In 2010, Steve established Abercus, a consultancy providing CFD/FEA support, teaching/training and associated bespoke software, working in the energy, marine, defence, and built environment sectors. Steve has a strong focus on trust for CFD. He is the Chair of NAFEMS' CFD Working Group and an active participant of NAFEMS' Simulation Governance and Management Working Group. (NAFEMS is the international organisation for engineering simulation with a focus on best practice, competence, and education and training.)

Presenting

Trust in CFD for modelling air pollution dispersion in urban areas

Gaussian plume models are the default tools for modelling air pollution dispersion in urban areas. However, for some applications they may have limitations, in which case Computational Fluid Dynamics (CFD) may offer a useful alternative.

CFD is a first-principles, physics-based approach that can overcome many of the limitations of simpler approaches. For example, CFD can directly capture the geometry of buildings and other obstructions so that their effect upon the behaviour of a dispersing plume can be captured, and intermittent and/or time-varying pollution sources can be simulated with custom profiles imposed for the rate of emission. However, just because CFD can capture additional physics, doesn't mean it necessarily will, or will do it well. With CFD, there is always the question of trust in the CFD predictions. One analysts idea of relevant first-principles and it's appropriate implementation in CFD may be different to that of another analyst.

As with all engineering approaches, trust in CFD is earned through rigorous VVUQ (Verification, Validation and Uncertainty Quantification). This presentation will introduce the NAFEMS/ASME framework for VVUQ of engineering simulation tools such as CFD, and the framework will be demonstrated through some relevant CFD examples.

Session 4: Nature & Farming



Nick Sauer
Senior Advisor (Odour),
Environment Agency

Nick Sauer's academic background is in analytical chemistry, primarily focused on environmental monitoring of air, land, water, and waste. He served for two years in private industry as an analytical chemist for a hazardous waste disposal site before moving into public service as a waste regulator.

In the UK, Nick served first as a waste team leader with Nottinghamshire County Council, until that department was transferred to the newly formed Environment Agency. Odour has always been an issue for waste sites, and he has focused on it since 2002.

Nick was the primary author of the Environment Agency's revised odour guidance being discussed today and was heavily involved in drafting the previous guidance published in 2011. He was also the primary author of the Agency's odour strategy and led the Head Office Odour Team from its formation until his partial retirement in 2019.

Presenting

Odour management: Comply with your environmental permit

Odour pollution is a primary concern for the public in England. In 2014, 24% of all reports received related to odour pollution. By September 2026, this had risen to 42%. While there are many underlying influences behind this increase, regulating these sites is our responsibility and updating our guidance was seen as an important step.

It was therefore important to critically review policies which were not contributing to our objectives. This review also needed to consider revised policies for publishing guidance and government objectives for promoting growth. All this needed to be achieved efficiently, both with respect to efforts by the Agency and regulated industries.

Session 4: Nature & Farming



Katharine Blythe
Principal Specialist - Air Quality Casework,
Natural England

Katharine is a Principal Specialist in Air Quality Casework, based in the Science Evidence Digital Chief Officer Group of Natural England. Her focus in on providing evidence on air quality to support operational teams in providing proportionate advice on priority development, and increasing involvement and engagement at key stages of the planning process.

She also works with others across Natural England, Defra, the Environment Agency, and other nature conservation bodies to develop evidence on impacts of air quality on protected sites, including methods for monitoring and assessing impacts, solutions to avoid harm and indicators of ecosystem recovery from pollution. Katharine joined Natural England's national air quality team in 2022 from a background in Environmental Impact Assessment co-ordination and a PhD looking at impacts of traffic on roadside trees.



Daniel Whitten
Air Quality Consultant, AECOM

Daniel is an Air Quality Consultant at AECOM with two years' experience, having joined as a graduate in September 2024. Since joining the industry Dan has supported the delivery of a range of air quality projects including road traffic emissions assessments for ecological and human receptors, odour assessments, implementation of monitoring schemes, and the development of tools including the new Screening Tool for Air Quality Impacts from Roads (STAIR).

Prior to joining AECOM Dan studied MSci Environmental Science at the University of Nottingham, during which he wrote a dissertation on the effects of ship traffic on $PM_{2.5}$ concentrations in Southampton.

Session 4: Nature & Farming

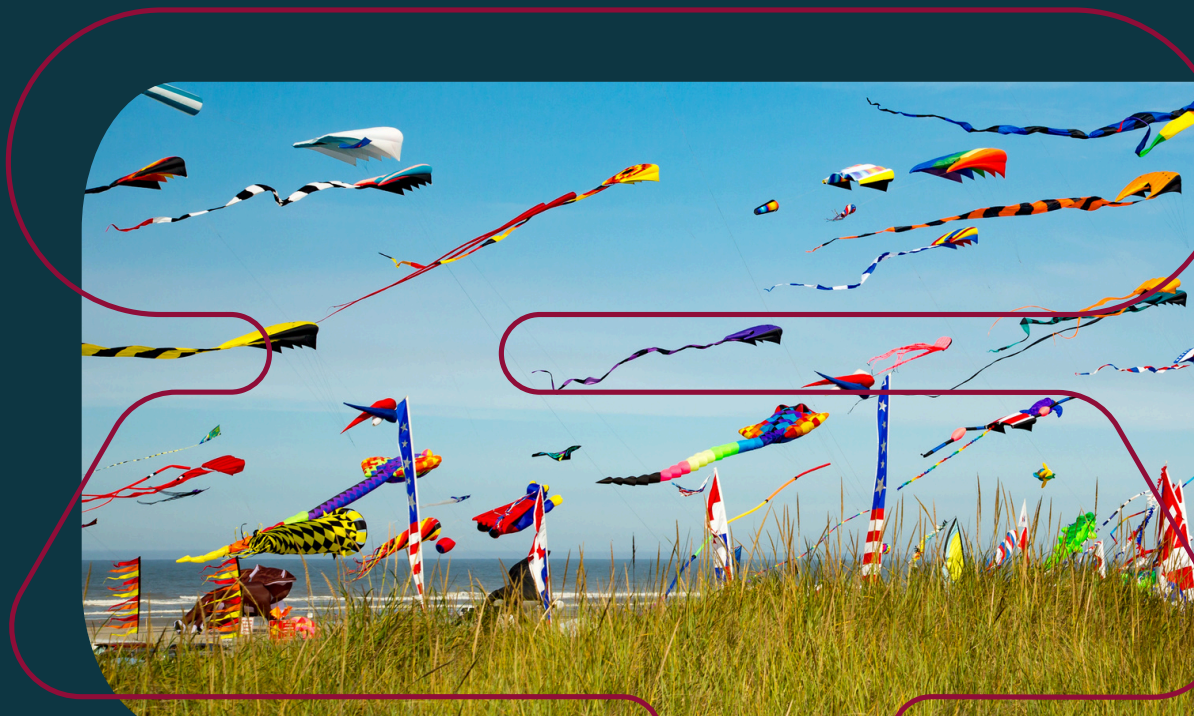
Presenting

Introducing STAIR: A new screening tool for air quality impacts from roads

Effective screening is important in environmental assessment to determine where detailed assessment effort should be focussed. If screening methods do not accurately reflect the best available evidence, impacts to sensitive habitats may be overlooked. For roads, screening should consider impacts from ammonia and nitrogen deposition alongside NO_x.

This presentation will introduce a new tool - STAIR (Screening Tool for Air Quality Impacts from Roads) to screen where vehicle emissions may harm nitrogen-sensitive habitats close to roads. It uses road-specific features and recent evidence on roadside pollutants to identify a number of vehicles creating an additional pollution load of 1% of a habitat's critical level or critical load - the longstanding in-combination screening "trigger" for more detailed ecological assessment.

STAIR therefore provides a practical solution ensuring that further assessment effort is targeted appropriately. It will support decision-making to protect sensitive habitats, recognising that healthy ecosystems and healthy communities are closely connected.



Session 4: Nature & Farming



Dr Susan Zappala

UK Pollution Lead, JNCC

Speaker: Panel session: APAS and JNCC updates

Dr Susan Zappala is UK Pollution Lead at JNCC providing strategic advice on air and chemical pollution pressures affecting UK nature. Drawing on over 20 years of experience in consultancy, industry, and the public sector, she works at the interface of science, policy, and implementation to build stronger connections between environmental research, decision-making, and practice.



Christy Carr

Technical Director, Irwin Carr Consulting

Speaker: Panel session: APAS and JNCC updates

Christy is a Technical Director at Irwin Carr Consulting with primary responsibility for air quality assessment and detailed dispersion modelling. He holds a BSc (Hons) in Environmental Health from the University of Ulster and a Postgraduate Diploma in Acoustics from Trinity College Dublin. Christy has over a decade of experience delivering air quality, odour, and ammonia impact assessments for a wide range of development types, including intensive agriculture, anaerobic digestion, energy, infrastructure, and large-scale mixed-use schemes across Ireland and the UK. His work regularly supports planning applications, EIAs, environmental permitting, and evidence as part of planning appeals.



Day 2

Session 5: Ambient Monitoring & Regulatory Evidence



Dr Gary Fuller
Hon Senior Lecturer in Air Pollution Measurement, Imperial College London
Keynote Speaker

Dr Gary Fuller is an air pollution scientist at Imperial College London. His research interests focus on urban air pollution, how it is changing, and how it affects our health. He is passionate about the translation of evidence to policy-makers and the public and was one of three UKRI Met Office Clean Air Champions. He is a contributor to the Guardian newspaper and a long-standing member of AQEG, but is not speaking on behalf of the group today.

Presenting

Measurement challenges in a regulatory context

By focusing on regulatory requirements, we may be able to determine if an area meets air pollution limits, but not why. New technologies and old solutions measurement strategies give us the opportunity to make smarter measurements to support policy assessments and public engagement.



Session 5: Ambient Monitoring & Regulatory Evidence



Darren Watson
Principal Environmental Analyst,
Office for Environmental Protection

Darren Watson is a chartered environmentalist with over 25 years' experience in environment and public health. He holds master's degrees in environmental science and contaminated land management.

Prior to the OEP, he worked on environmental management in construction projects and gas and electricity infrastructure with National Grid where he also led the development of the company's climate adaptation reports for Defra. At Severn Trent Water, he worked on the public health response to water quality incidents and led two river restoration partnerships within the national Catchment Based Approach scheme. In local government, he led the implementation of Coventry Council's contaminated land strategy and undertook a range of air quality work as an Environmental Protection Officer after previously working at a consultancy. He currently sits on the CIWEM contaminated land panel.

At the OEP he leads on environmental indicators, methodological statement, and application of the UKSA code of practice for statistics within the EIP assessment work. He also specialises in waste, resources, and circular economy.

Presenting

The OEP's assessment of progress in improving the natural environment in England and the focus on clean air

The presentation outlines the OEPs approach to its statutory report on Governments progress with its Environmental Improvement Plan (EIP) for England.

There is an update on the OEPs assessment of progress across all 10 goal areas and a deep-dive into aspects of the Clean Air assessment including our findings and a summary of how we use data/evidence in an air quality context across our other functions.

Session 5: Ambient Monitoring & Regulatory Evidence



Matthew Clark
Programme Manager - Air Quality,
Hertfordshire County Council

Matthew has worked in local authority roles since 2010, first working in a Unitary Authority undertaking statutory Local Air Quality Management (LAQM) regime duties and more recently in a County Council position taking a more strategic focus to integrate environmental conditions, health, and sustainability across systems.

As a member of the Chartered Institute of Environmental Health's Environmental Protection Panel he contributes to the policy discussion and direction of the organisation with a major focus on air quality.

Between 2021 – 2024 Matthew sat on the DEFRA Air Quality Information Systems review panel as the Local Government representative.

Matthew was invited into the role of Regional Clean Air Champion for the Clean Air Programme between 2025-26 where he helped facilitate events across the 4 devolved nations of the UK.

Presenting

Regional Local Authority and bringing healthier air to schools

Commentary on working at a county level to integrate health, air quality, and sustainability followed by a view to the future and Local Government Restructure and how local authorities can look to position air quality for the best outcomes. Finally a deep dive into the Hertfordshire School Ventilation Project providing air purification technology on a large scale: why it's more relevant now than it has been before, lessons learnt as the project enters its third year, and what's coming next.

Session 6: Human Health



Dr Clare Beattie
Technical Director,
Air Quality Consultants Ltd (part of Logika Group)

Clare is a Chartered Scientist with over 25 years' experience in both an academic and consultancy environment. She has substantial experience in assisting local authorities in all aspects of air quality work, including assessments of measures to improve air quality, policy related work, and air quality management reports, strategies and action plans. She has also developed guidance documents on air quality management on behalf of central government, local government, and NGOs. Clare has extensive experience of stakeholder engagement both in the UK and internationally. She has managed widescale air quality modelling projects including for Clean Air Zone feasibility studies and assessed traffic management measures to improve air quality. National level Air Quality Policy Research experience includes input to the Evaluation of the Domestic Solid Fuel Regulations and providing advice to Defra on practical ways to implement the recent $PM_{2.5}$ targets within the planning system. She has also worked on Domestic Solid Fuel at local level. She is a member of the Scottish Air Quality Advisory Group.

Presenting

Evaluation of the effect of $PM_{2.5}$ due to domestic solid fuel burning on health outcomes in Scotland

Solid fuels, such as dry and wet wood, manufactured fuels, and coal burnt in stoves, burners, or fireplaces, are a key source of $PM_{2.5}$ with evidence suggesting that indoor burning prevalence in Scotland has been increasing. This study assessed the potential health benefits of policy actions affecting domestic solid fuel burning in Scotland. It first quantified the health burden associated with 'current' levels of $PM_{2.5}$ from domestic burning. Based on a review of international best practice, a long-list of potential policy options was defined and screened-down to a shortlist of options for which the air quality and health impacts were assessed, including consideration of the effects for different demographic groups and Local Authorities.

Key findings were that current levels of domestic solid fuel burning were estimated to be associated each year with 160 deaths and morbidity and 'productivity' impacts were also estimated. When expressed in monetary terms, the detrimental impacts of domestic solid fuel burning on health present a cost each year to Scottish society of around £117 million. The majority of health impacts are concentrated in a small number of areas, with those most affected all lying in urban or peri-urban areas in the corridor between or in close proximity to Glasgow and Edinburgh. Analysis of the impacts were also undertaken for different vulnerable groups.

Session 6: Human Health



Dr Helen Davies
Research Fellow, University of York

Helen is a Wellcome Early Career Fellow at the University of York, working to understand the links between indoor air pollution and asthma, with a particular interest in volatile organic compounds. The main focus of her work is to develop the Lung CHEMistry Model in Python (LungCHEM-Py) which tracks the fates of pollutants after they have been inhaled into the lungs. As part of the model development, Helen's work also involves extensive chemical kinetics experiments to determine how pollutants are likely to behave chemically in a lung-like environment, and toxicology studies to investigate the effects of pollutants on lung epithelial cells. She has a varied background spanning biomedical research, biophysics, chemical kinetics modelling, and air quality, and enjoys bringing together interdisciplinary research to benefit health.

Presenting

The Lung Chemistry Model in Python: A new computational model for predicting asthma exacerbation risk from indoor air pollutants

As people in developed countries spend approximately 90% of their time indoors, the majority of exposure to inhaled pollutants occurs in indoor environments. While experimental and computational methods can be used to understand VOC emissions and chemistry in these environments, little is known about the fates and behaviour of VOCs following inhalation. Here, we are developing the Lung Chemistry Model in Python (LungCHEM-Py) which simulates the evolution of VOCs in rooms, and the transfer into the lungs. This model is underpinned by extensive chemical kinetics experiments which help describe the in-lung behaviour of VOCs, as well as cell exposure studies where lung epithelial cells are exposed to specific VOCs to determine their responses.

In this presentation, data from the experimental studies will be presented, alongside the model and some preliminary benchmarking.

Session 6: Human Health



Guest Interview

Interviewer: Noel Nelson

Air quality scientist and a founding member of the IAQM

Institute of Air Quality Management

Noel is an IAQM Committee Member and Fellow, and was one of the founder members of the IAQM. He worked at the Met Office for over 30 years with a wide range of experience encompassing air quality modelling, weather and health relationships, and some climate change impacts.



Interviewee: Pedro Abreu

Air Quality Lead,

West Midlands Combined Authority

West Midlands Combined Authority

Pedro Abreu is Air Quality Lead at the West Midlands Combined Authority, where he leads regional efforts to improve air quality and deliver the ambitions set out in the West Midlands Air Quality Framework. An Environmental Engineer by background, Pedro has over 14 years' experience in air quality management across European institutions, consultancy, and local government, having previously held air quality roles with the European Commission, Ricardo Energy & Environment, and Oxford City Council, where he served as Principal Air Quality Officer for nine years.



Session 7: Developments in Modelling



Kieran Laxen
Director and Founder,
Kalaco

Kieran Laxen is an air quality specialist with almost two decades' experience in consultancy and particular expertise in air quality, meteorology, and climate change. A 1st class masters graduate in Mechanical Engineering from the University of Warwick, his expertise has led to his appointment to air quality advisory committees for both the Welsh and Scottish Governments.

Kieran is the founder of Kalaco, a specialist air quality, meteorology, and climate change consultancy, and has played an active role in the work of the IAQM for over a decade. He has contributed to many of the IAQM publications and conferences and has led the development of the new IAQM guidance on air quality assessment for land-use planning, including new health-based approaches to the assessment of air quality effects. He also has extensive practical experience of air quality assessment and as an expert witness, giving evidence at planning inquiries and hearings and to a Parliamentary inquiry.

Presenting

The impact of climate change on regulatory dispersion modelling

Climate change is increasingly being considered across planning and environmental regulation, yet air quality assessments remain almost entirely based on historical meteorology. Based on UK climate projections up to 2080 and using thousands of ADMS model runs covering elevated and near-ground sources across coastal, complex terrain, urban, and flat settings throughout the UK, this presentation asks a simple but important question: when does climate change materially affect predicted concentrations and impact locations, and what does that mean for planning applications, environmental permits, and future regulatory guidance?

Session 7: Developments in Modelling



Prof. David Carslaw
Professor of Urban Air Pollution,
University of York and WSP

David Carslaw holds a joint position between the University of York's Department of Chemistry, where he is Professor of Urban Air Pollution, and WSP, where he is a Technical Director. He has a long-standing interest in the impact of road vehicle emissions on urban air quality, leading experimental and analytical work that has quantified the effect of vehicles on concentrations of NO_2 and other pollutants. This work has included large-scale vehicle emission remote emission sensing, revealing the gap between real-world and regulated emissions and informing air quality policy. A second major focus has been the development of open-source techniques to derive insights from air pollution measurements. These tools form part of the 'openair' R package family, which is used widely around the world by academics, the public and private sectors. He has been a member of the UK Government's Air Quality Expert Group since 2002.

Presenting

A new approach to making ambient measurements to quantify both vehicle emissions and concentration source apportionment

This presentation summarises the development of a new method for quantifying vehicle emissions at a highly disaggregated level. The technique uses fast, static measurements made close to the kerb to sample the dispersing exhaust plumes of passing vehicles. A newly developed plume regression method disentangles the contributions of overlapping plumes - long a major challenge - and is flexible enough to pair the most appropriate sampling approach with the pollutant of interest. A key benefit is that, for the first time, the method provides concentration source apportionment by vehicle type. For example, it can quantify how much of roadside NO_2 concentration is attributable to Euro 5 diesel cars, even down to manufacturer level. Such information is highly valuable for air quality management, where the principal interest is contributions to concentrations rather than emissions.

Session 7: Developments in Modelling



Dr Nosha Assareh
Research Associate,
Imperial College London

Dr Nosha Assareh is a Research Associate in the Environmental Research Group at Imperial College London, where he has worked since 2020. His expertise lies in regional weather and air quality modelling, with a particular focus on understanding how emissions, meteorology, and policy choices shape population exposure to air pollution. He has contributed to a range of interdisciplinary projects assessing the health and economic costs and benefits of a zero-carbon UK, including NIHR-funded research on air quality, health inequalities, and the wider co-benefits of climate action. His work links advanced atmospheric modelling with evidence for policy, public health, and environmental decision-making.

Before joining Imperial, Nosha worked as a researcher at the Hydro-Informatics Institute in Bangkok, Thailand, where he applied modelling and data analysis approaches to environmental and hydrological challenges. His research interests include air quality and source apportionment modelling, and policy-relevant modelling systems in the UK and internationally.

Presenting

The UK Compliance Air Quality Modelling System: Methods, components, and policy applications

This presentation will introduce the air quality modelling system used for UK compliance assessment, following the award of the 2025 compliance air quality modelling tender to the air quality modelling team at Imperial College London. The talk will provide an overview of the modelling framework, explaining how emissions, meteorology, atmospheric chemistry, transport processes, and monitoring data are combined to estimate concentrations of key regulated pollutants across the UK. The presentation will describe the main components of the system, including emissions processing, regional meteorological modelling, chemical transport modelling, model evaluation, calibration, and post-processing of outputs for compliance reporting.

Session 8: Looking Ahead



John Newington
Head of Air Quality Evidence, Defra

Department for Environment Food & Rural Affairs

John Newington is Head of Air Quality Evidence at Defra, where he leads the scientific and analytical evidence programme supporting national air quality policy, regulation, and delivery. He oversees major programmes on monitoring, modelling, emissions, health evidence, public attitudes, and digital transformation, working closely with other government departments, International governments, local authorities, the Environment Agency, UKHSA, the Met Office, research councils, and academic partners.

John has worked across environmental regulation, local authority environmental health, and central government air quality science, with a strong focus on using robust measurement, modelling, and interdisciplinary evidence to improve public health and environmental outcomes. He is particularly interested in how data, innovation, and collaboration can help practitioners turn air quality evidence into practical and impactful action.

Presenting

Air pollution challenges and next steps to tackle them

This presentation will explore the key evidence challenges shaping the next phase of air quality policy and delivery. Drawing on Defra's recent work on atmospheric science, evidence gaps and the Environmental Improvement Plan, it will set out where stronger evidence is needed to support effective action at national and local level. Topics will include the changing emissions landscape, emerging risks such as CCUS amine chemistry and novel fuels, the need for better exposure and health evidence, and the importance of sustained monitoring, modelling, and data infrastructure.

The session will focus on how this evidence agenda can support practical decision-making: from local plan-making, permitting, and public information to targeting interventions and evaluating what works. It will also consider how Defra is responding by strengthening evidence systems, improving coordination, and making future priorities clearer for practitioners and delivery partners.

Session 8: Looking Ahead



Prof. Alastair Lewis
Professor of Atmospheric Chemistry,
University of York

Prof. Alastair Lewis is an experimental scientist who has studied the composition of the atmosphere from polar regions to megacities, open oceans to tropical forests. He has received the Royal Society of Chemistry Silver Medal for analytical science, John Jeyes Award for environment, energy and sustainability, and the RSC biannual prize for science policy. He is currently Chair of the Defra Air Quality Expert Group and the Department for Transport Science Advisory Council and a member of the Environmental Sustainability Panel of the Civil Aviation Authority. He has been a contributor to >300 scientific publications on topics spanning analytical chemistry, air pollution science, and public health impacts, and has been an advisor to government on issues related to net zero, health inequalities, future regulation, and environmental targets. He currently holds a Royal Society Industrial Fellowship working to help consumer products industries reduce the impact of solvents on air quality.

Presenting

Improving air quality through low carbon investments

Investments in decarbonisation can have major co-benefits that can deliver improved air quality, including via the electrification of road transport, adoption of heat pumps, and low carbon electricity production. Whilst greenhouse gas reductions are equally beneficial wherever they occur, air quality effects are highly location-specific. This presentation will explore the differential impacts that low carbon investment can make on UK nitrogen dioxide and $PM_{2.5}$. Greenhouse gas emissions reductions can be targeted purposefully via policies that prioritise technologies that minimise air pollutant emissions. There are currently substantial disparities in where air pollution emissions occur, disproportionately affecting areas with higher levels of deprivation and larger populations from minoritised ethnicity communities. There is potential for targeted investment in place-based carbon reductions to reduce inequalities, employing mechanisms that consider technology, phasing, and subsidy support.

Session 8: Looking Ahead



Prof. Roy Harrison OBE
Professor of Environmental Health,
University of Birmingham

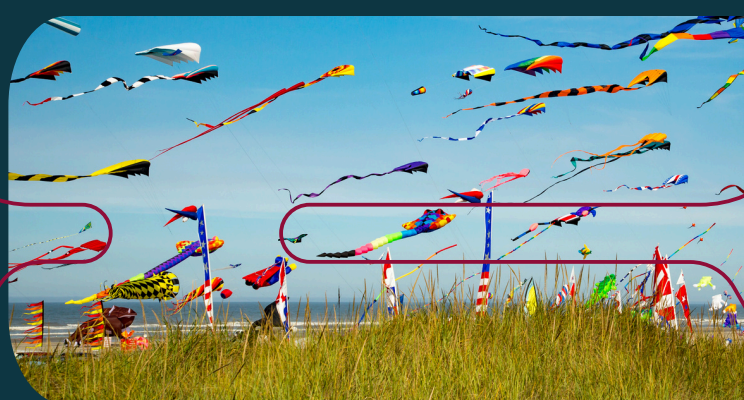
UNIVERSITY OF BIRMINGHAM

Roy Harrison is Queen Elizabeth II Birmingham Centenary Professor of Environmental Health at the University of Birmingham. His research interests are in air pollution, especially airborne particulate matter, from emissions though atmospheric transformations, to effects on human health. He has been heavily engaged at the science/policy interface as a member of several government technical advisory groups for the Department of Health and Defra, and was a contributor to the WHO Global Air Quality Guidelines (2005) and the Guidelines for Quality of Indoor Air (2010). He was appointed OBE in 2004 and elected a Fellow of the Royal Society in 2017.

Presenting

What's next for monitoring and modelling?

The 2024 revision of the EU Air Quality Directive requires air quality measurements to include ultrafine particles (UFP) and Oxidative Potential (OP) for the first time. Although not applicable in the UK, the government will need to consider whether to adopt similar measures. This would involve an extension to UFP measurements and a routine (as opposed to ad hoc) programme of OP measurements. The pros and cons of measurements of both metrics are considered. There is also a case for extended monitoring of VOC to account for the change in dominant sources since the 1990s. There is a pressing need for receptor modelling in the UK in order to provide quantitative source attribution of particulate matter and VOC. Chemistry-transport models need to be upgraded to give reliable estimates of secondary organic aerosol and ultrafine particles, for which secondary formation is a particular challenge.



Sponsor

Silver Sponsor Day 1

EEMC Monitors was established in 2018 by experienced professionals from the construction and civil engineering monitoring industry, delivering innovative, cloud-based environmental monitoring solutions that help organisations improve compliance, reduce environmental risk, and support sustainability.

We specialise in **real-time indoor and outdoor air quality monitoring**, alongside noise and vibration monitoring, supporting consultants, contractors, developers, and infrastructure owners across the UK. As the UK distributor of the **Oizom HIVE™** range, including the **MCERTS-certified** HIVE-AQ™ Dustroid, we provide continuous monitoring of particulate matter and gaseous pollutants for construction, infrastructure, industrial and urban environments.

Our **HIVE-AIR™** solutions support healthier buildings through indoor air quality monitoring aligned with the **WELL Building Standard™**. Managed via the HIVE-SOFT™ cloud platform, our systems deliver live data, automated alerts, customisable reporting and remote access, enabling informed, proactive environmental management.

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To quality, innovation and exceptional customer support.

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Exhibitors: Day 1 & Day 2

Cura Terrae is a world-leading supplier and service provider of real-time instrumentation and bespoke environmental monitoring systems for the measurement of air pollution and greenhouse gases.

Technical expertise in air quality monitoring, gathered over four decades, enables us to advise upon a wide range of different applications. Deep knowledge of system design and integration allows us to provide servicing, maintenance and support throughout the UK and overseas.

Founded in 1961, WWF is the world's leading independent conservation organization working in more than 100 countries to create solutions to the most important environmental challenges facing the planet so that people and nature can thrive.

DustScanAQ is an independent, employee-owned dust and air quality consultancy that specialises in monitoring and assessment.

We were established in 2004. Our experienced consultants provide expert dust and air quality services to clients in a wide range of sectors including assessments and management plans of dust, air quality and odour. We provide planning and operational support for small to large scale projects including those that require detailed Environmental Impact Assessment. We supply a range of dust and air quality monitoring equipment, and our services also include occupational exposure and indoor air quality assessments, elemental and chemical dust analysis and dispersion modelling.

Exhibitors

Exhibiting Day 1 only

EMSOL connects MCERTS-certified monitoring with video analytics, so when pollution levels spike, you see the idling truck, the specific work activity, the exact source.

Founded in 2017, we've grown to be a trusted environmental intelligence partner for organisations that need more than compliance data. NHS trusts use us to protect vulnerable patients. Construction firms use us to manage site impacts. Local authorities and transport operators use us to address pollution at source, not just record it. Our hardware measures what matters: PM10, PM2.5, PM1, NO2, NO, CO, O3, SO2 and noise. Our platform connects those measurements to visual proof. The result? Customers have cut pollution by up to 82% because they can see exactly what needs to change. We're building cleaner urban environments by making the invisible visible. When you know the source, you can fix the problem. That's not sustainability theatre. That's environmental monitoring that actually works.

Exhibiting Day 2 only

Cambustion's 50-series of gas and particle analyzers combine ultra-fast response times with enhanced levels of sensitivity. This allows investigations into the real emissions exposure from vehicles and other sources from the roadside on a breath-by-breath basis. These fast-response analyzers open up possibilities for identifying gross emitters within regular traffic; this information can be used to guide enforcement bodies and local air quality teams on how to further reduce air pollution by targeting significant contributors.

We look forward to seeing you at

Routes to Clean Air 2026

We really value your feedback - please scan the QR code to share your thoughts on RTCA 2026

