2024 Clean Air Conference

Analysis and Solutions: Responding to the Clean Air Challenge

2nd and 3rd October

Edgbaston Park Hotel and Conference Centre, Birmingham









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The 2024 UKRI/Met Office Clean Air Conference, "Analysis and Solutions: Responding to the Clean Air Challenge," will take place at Edgbaston Park Hotel and Conference Centre in Birmingham on the 2nd and 3rd of October 2024. This interdisciplinary event will bring together researchers, policymakers, industry professionals and representatives from non-profit organisations to create a platform for sharing insights and building relationships within the clean air community.

The conference will focus on 13 themes:

- 1. Air Pollution Diverse Exposure Effects
- 2. Characterising Indoor Air Quality
- 3. The Changing Face of Ambient Air Quality
- 4. Air Quality and Net-Zero
- 5. Vulnerabilities and Inequalities in the Indoor Environment
- 6. Variations in Exposure to Indoor Pollution
- 7. Cross-Disciplinary Research towards Solutions

- 8. Clean Air The Need for Multi-sector Actions
- 9. New Tools for Air Quality Analysis
- Emissions and Sources of Modern Air Pollution
- 11. Policy Application and Communication
- 12. Transport and Air Quality: Methods and Solutions
- 13. The Application of Air Quality Sensors

The event will feature talks and panel discussions from leaders in the field to help set the scene in topics such as the role of air pollution in the social determinants of health, inequalities, and the more recently recognised links to mental health. The conference will be exploring patients and the wider publics' needs as well as the use of data science in connecting atmospheric and health data. We will be including special sessions for early career researchers (including chairing of sessions) and will be discussing the future of how we can continue to improve the air we all depend upon for life by building a Clean Air Research Community. The centrepoint of this will be our annual Martin Williams Lecture given this year by Prof Ally Lewis.

The substance of the two days will feature presentations and demonstrations of the research undertaken during the UKRI Clean Air SPF. We hope to use the various presentations to highlight the importance of community engagement, share valuable insights, and address the impacts of air pollution through effective policy measures. There will be an emphasis on community engagement in understanding and tackling air pollution issues, as well as providing actionable recommendations for policymakers to mitigate the harmful effects of air pollution on public health and the environment. By focusing on these aspects in the submitted abstracts, we can effectively communicate the significance the work in air quality and its potential contributions to health and wellbeing in society and vulnerable groups as well as harnessing innovation.

Sessions and discussions will be geared towards exploring innovative strategies, sharing success stories, and fostering collaborations to drive meaningful impact. We hope the conference will inspire participants to take actions that will contribute to long-term positive change, so that our collective efforts lead to lasting and transformative outcomes.

We are thankful to the following organisations for their support:

Asthma And Lung UK

BioAirNet

Breathing City – Future Urban Ventilation Network (FUVN)

Cambustion

Dyson

Global Action Plan

Greater London Authority

HEICCAM

HIPTox

Institution of Environmental Sciences (IES)

Met Office

National Physical Laboratory

Natural Environment Research Council

Philips

Tackling Air Pollution At School (TAPAS)

The Health Foundation

Transition

Wellhome

WM-Air

WM Net-Zero

Programme Overview

KEYNOTE PRESENTATIONS

All Keynote Presentations will take place in the Fry Suite.

Wednesday 2 nd October 10.40 – 11.00	Social Justice and Health Speaker: Professor Sir Michael Marmot Chair: Professor Sir Stephen Holgate
Thursday 3 rd October 09.30 – 10.00	Air Quality and Mental Health – Evidence, Challenges and Future Directions Speaker: Professor Kamaldeep Bhui Chair: Kieran Laxen
Thursday 3 rd October 14.00 – 14.30	Al, Air Quality and Health – A Breath of Fresh Air Speaker: Professor Dave Topping Chair: Lara Edwards

KEYNOTE SPEECHES/LECTURES

All Lectures/ talks will take place in the Fry Suite.

Wednesday	Welcome from NERC/ UKRI
2nd October	Speaker: Professor Louise Heathwaite
11.00 – 11.15	Chair: Professor Sir Stephen Holgate
Wednesday	Challenges and Opportunities for Science to Influence Policy
2nd October	Speaker: Professor Dame Judith Petts DBE
11.15 – 11.35	Chair: Noel Nelson
Wednesday	Fighting for Clean Air
2nd October	Speaker: Sarah Sleet
17.15 – 17.45	Chair: Adam Donnan
Thursday	Martin Williams Lecture - The Future of Air Quality:
3rd October	Opportunities and Challenges
14.30 - 15.00	Speaker: Professor Alastair Lewis
	Chair: Dr Gary Fuller

PANEL SESSIONS

Wednesday	Tackling Health Inequalities Through Actions to Improved Air Quality	Fry Suite
2 nd October	Chair: Dr Suzanne Bartington	
1.50 – 12.20	Panellists: Dr Agnes Agyepong, Dr Abigail Whitehouse, Prof Sir Michael Marmot, Prof Dame Judith Petts	
Wednesday	Clean Air: The Need for Multi-Sector Actions	Elgar
2 nd October	Chair: Chris Taylor	
15.45 – 17.15	Co-Chair: Dr Naomi Bennett-Steele	
	Panellists: Kevin O'Malley, Dr Malcolm White, Dr Amber Yeoman, James Hall	
Thursday	Empowering Regions: The Impact and Evolution of Devolved Administrations	Fry Suite
3 rd October	Chair: Dr Heather Price	
10.30 - 11.10	Co-Chair: Professor Paul Lewis	
	Panellists: Roger Herbert, Neil Rowland, Andrew Taylor	
Thursday	Improving Air Quality: Next Steps	Fry Suite
3 rd October	Chair: Dr Sarah Moller	
15.15 – 16.15	Co-Chair: Dr Claire Holman	
	Panellists: John Newington, Prof Alastair Lewis, Lara Edwards, Dr Nat Easton	

PARALLEL SESSIONS

Wednesday 2 nd October: 14.00 – 15.15					Wednesday 2 nd Oc	tober:	15.45 – 17.15
1.1	Air Pollution – Diverse Exposure Effects Chair: Prof Matt Loxham Co-Chair: Dr Kirsty Meldrum Room: Bantock	1.2	Characterising Indoor Air quality Chair: Prof Catherine Noakes Co-Chair: Dr Alejandro Moreno-Rangel Room: Corelli	1.5	Vulnerabilities and Inequalities in the Indoor Environment Chair: Larissa Lockwood Co-Chair: Dr Douglas Booker Room: Bantock	1.6	Variations in Exposure to Indoor Air Pollution Chair: Dr Henry Burridge Co-Chair: Marta O'Brien Room: Corelli
1.3	The Changing Face of Ambient Air Quality Chair: Prof William Bloss Co-Chair: Lilli Helps Room: Lodge	1.4	Air Quality and Net-Zero Chair: Prof Anil Namdeo Co-Chair: Emma Gibbons Room: Elgar	1.7	Cross – Disciplinary Research Towards Solutions Chair: Dr Heather Price Co-Chair: Dr Darpan Das Room: Lodge	1.8	Panel 2: Clean Air – The Need for Multi-Sector Actions Lead: Chris Taylor Co-Chair: Dr Naomi Bennett- Steele Room: Elgar

Thursday 3 rd October: 11.30 – 13.00						
2.1	New Tools for Air Quality	2.2	Emissions and Sources of			
	Analysis Chair: Tom Gardiner		Modern Air Pollution Chair: Dr Gary Fuller			
	Co-Chair: Alice Handy		Co-Chair: Dr Nat Easton			
	Room: Corelli		Room: Lodge			

	Dalian Annii astian and	0.4	Towns out and Air Ovelites
2.3	Policy Application and	2.4	Transport and Air Quality:
	Communication		Methods and Solutions
	Chair: Noel Nelson		Chair: Dr Suzanne Bartington
	Co-Chair: Dr Joe Acton		Co-Chair: Prof Ruth Doherty
	Room: Bantock		Room: MacNeice

2.5 The Application of Air Quality Sensors Chair: Prof Paul Lewis Co-Chair: Dr Kayla Schulte Room: Elgar

		Programme Day 1 Wednesday 2 nd October	
09.00 – 10.20		Early Career Researcher (ECR) Breakfast	Composer Suite
09.30 – 10.30		Registration, Refreshments and Exhibits	Fry Lounge
Chair: Professor	Sir Stephen Holgate		Fry Suite
10.30 - 10.40	Welcome	Conference Opening: Professor Sir Stephen Holo Professor of Immunopharmacology and UKRI Clea University of Southampton	
10.40 – 11.00	Keynote 1	Social Justice and Health: Professor Sir Michael Institute of Health Equity, UCL Dept of Epidemiolog Health	
11.00 – 11.15	Plenary Address from NERC [On-line]	Address by NERC Executive Chair: Professor Louise Heathwaite CBE, Executive Chair Environment Research Council (NERC) and Distin Lancaster Environment Centre, Lancaster Univers	guished Professor
<u> </u>			
<u>Chair: Noel Nelso</u> 11.15 – 11.35	Keynote 2	Challenges and Opportunities for Science to In Professor Dame Judith Petts DBE, Emeritus Profe	
11.15 – 11.35		Professor Dame Judith Petts DBE, Emeritus Profe Plymouth	fluence Policy: ssor, University of
11.15 – 11.35		Professor Dame Judith Petts DBE, Emeritus Profe	fluence Policy: ssor, University of
11.15 – 11.35 11.35 – 11.50	Keynote 2	Professor Dame Judith Petts DBE, Emeritus Profe Plymouth	fluence Policy: ssor, University of Fry Lounge
	Keynote 2	Professor Dame Judith Petts DBE, Emeritus Profe Plymouth Coffee/Tea Break Tackling Health Inequalities Through Actions to Quality Panel Participants: Dr Agnes Agyepong, Dr Abigail	Fry Lounge Fry Suite D Improve Air
11.15 – 11.35 11.35 – 11.50 Chair: Dr Suzanr	Keynote 2	Professor Dame Judith Petts DBE, Emeritus Profe Plymouth Coffee/Tea Break Tackling Health Inequalities Through Actions to Quality	Fry Lounge Fry Suite D Improve Air
11.15 – 11.35 11.35 – 11.50 Chair: Dr Suzanr 11.50 – 12.20	ne Bartington Panel	Professor Dame Judith Petts DBE, Emeritus Profe Plymouth Coffee/Tea Break Tackling Health Inequalities Through Actions to Quality Panel Participants: Dr Agnes Agyepong, Dr Abigail	Fry Lounge Fry Suite D Improve Air I Whitehouse,
11.15 – 11.35 11.35 – 11.50 Chair: Dr Suzanr 11.50 – 12.20 Chair: Dr Gary F	ne Bartington Panel	Professor Dame Judith Petts DBE, Emeritus Profe Plymouth Coffee/Tea Break Tackling Health Inequalities Through Actions to Quality Panel Participants: Dr Agnes Agyepong, Dr Abigail Professor Sir Michael Marmot, Professor Dame Judith In this session, sponsors of this event will provide a	Fry Lounge Fry Suite D Improve Air I Whitehouse, adith Petts Fry Suite
11.15 – 11.35 11.35 – 11.50 Chair: Dr Suzanr	ne Bartington Panel	Professor Dame Judith Petts DBE, Emeritus Profe Plymouth Coffee/Tea Break Tackling Health Inequalities Through Actions to Quality Panel Participants: Dr Agnes Agyepong, Dr Abigail Professor Sir Michael Marmot, Professor Dame Judith	Fry Lounge Fry Suite D Improve Air Whitehouse, I who was a second with the whitehouse, I was a second with the was a second with the whiteho
11.15 – 11.35 11.35 – 11.50 Chair: Dr Suzanr 11.50 – 12.20 Chair: Dr Gary Fi	Reynote 2 The Bartington Panel Uller Sponsors Introduction to	Professor Dame Judith Petts DBE, Emeritus Profe Plymouth Coffee/Tea Break Tackling Health Inequalities Through Actions to Quality Panel Participants: Dr Agnes Agyepong, Dr Abigail Professor Sir Michael Marmot, Professor Dame Judith In this session, sponsors of this event will provide to their organisations and their work in Clean Air. Dr Gary Fuller will introduce the Parallel sessions to	Fry Lounge Fry Suite D Improve Air Whitehouse, I who was a whitehou

Parallel Sessions

1.1	Chair: Matt Loxham Co-Chair: Kirsty Meldrum		Air Pollution – Diverse Exposure and Effects	Bantock
			orticle generation protocol for in vivo/vitro studies: om diesel engine, wood combustion, cooking, and ducts.	Abstracts Page: 4 - 7
	Norrice Liu Translocation		of inhaled particulate matter to red blood cells after exposure during commute.	
Thomas Faherty Acute particulate matter exposure diminishes executive cognitive functioning after 4 hours, regardless of inhalation pathway.				
	Danny Kane Nooku: the		volving AQ landscape	

1.2	Chair: Catherine Noakes Co-Chair: Alejandro Moreno- Rangel		Characterising Indoor Air quality	Corelli
Sa	ri Budisulistiorini		le air quality measurement for emerging indoor	Abstracts
	emission sou		irces	Page: 8 - 11
	Giorgos Petrou Does the loc		ation of sensors matter when monitoring indoor air	
	pollutant exposure in UK homes?			
	Alice Handy Investigating how ventilation alters particulate matter			
	concentrations in classrooms			
	Mike Hedges			
		measuremen	its in homes	

1.3	Chair: William Bloss Co-Chair: Lilli Helps		The Changing Face of Ambient Air Quality	Lodge
	James Brean Will declining formation?		condensation sinks lead to enhanced new particle	Abstracts Page: 12 - 15
	Carys Williams	Calculation o roadside data	of NOx/CO2 emission ratios from high resolution	
	Sami Ullah	Good for soil, grim for the air: ammonia emissions from nitrogen fertilised soils and their controlling factors		
	Junjun Xiang	Telematics da meteorologic temporal reso		

1.4	Chair: Anil Namdeo Co-Chair: Emma Gibbons		Air Quality and Net-Zero	Elgar
			quality and environmental health inequalities in a area of the United Kingdom	Abstracts Page: 16 - 19
	Douglas Booker Towards a ju		st transition: delivering healthy net zero homes	
	Jian Zhong Modelling the imp		e impacts of net zero policies on air quality and health West Midlands, UK.	
Naom	ni Bennett-Steele		: Adopting a whole systems approach to net zero - a systems mapping case study	

15.45 – 17.15 Parallel Sessions

1.5	1.5 Chair: Larissa Lockwood Co-Chair: Douglas Booker		Vulnerabilities and Inequalities in the Indoor Environment	Bantock
Evangelia Chatzidiakou			fort, air change rates and levels of particulate matter in Bradford: preliminary results of the INGENIOUS	Abstracts Page: 21 - 25
l l		Transforming bioaerosols	the real-time detection and characterisation of	
	Sophie Reed		nraveling maternal vulnerabilities to indoor air pollution	
			nods study to determine the sources and impact of llution in patients with chronic respiratory disease.	
			ssociated with personalising air pollution exposure perience gained from the APEx study	

1.6	Chair: Henry Burridge Co-Chair: Marta O'Brien		Variations in Exposure to Indoor Air Pollution	Corelli
			community-based study for investigating indoor air n urban community in london	Abstracts Page: 26 - 29
	David Shaw:		f air change rates on the indoor air chemistry of adford: a modelling study within the INGENIOUS	
			chemical characteristics of particulate matter in real nvironments in Bradford, UK	
Robe			oking and cleaning activities with the MBM-Flex ality mode	

1.7	1.7 Chair: Heather Price Co-Chair: Darpan Das		Cross-Disciplinary Research Towards Solutions	Lodge
			orkshops to promote global collaboration for improved	Abstracts
		exposure and	d health impact assessment of bioaerosols	Page: 30 - 34
	Lucy Neal	Met Office Ai	r Quality Data Portal	
	Kayla Schulte Breathe Lond		don: Evaluating behavioral and civic outcomes	
	associated w		rith co-designed air pollution data visualisations and	
	messaging.			
·	Nat Easton Lessons lear		nt on establishing communities and engaging	
	participants i		n air quality studies	
Paul Andrews CAGE – Clea		CAGE – Clea	an Air Gas Engine	

1.8 Panel			Clean Air: The Need for Multi-Sector Actions	Elgar
	Kevin O'Malley	Realising the	potential of the UK's clean air tech sector	Abstracts
	Malcolm White		ealth professionals on clean air - reflections and m 5+ pilot projects. considering next steps in this	Page: 35 - 39
	and its enviro		s concerning the future of residential indoor air quality onmental justice implications - HEICCAM Early Career collaboration	
	Lifecourse As		alth impact related to air quality: The Air Quality ssessment Tool (AQ-LAT) for the West Midlands uthority (WMCA) geography	

Chair: Adam Donn	an		Fry Suite
17.15 – 17.45	Keynote 3	Fighting for Clean Air: Sarah Sleet, CEO Asthma + L	ung UK

17.45 – 19.30 Free Time

19.30 – 21.30	Conference Dinner	Fry Suite
	Informal Dress	

Programme Day 2 Thursday 3rd October					
08.30 - 09.30		Early Career Researcher (ECR) Event: Media Session	Composer Suite		
09.00 - 09.30		Registration, Refreshments and Exhibits	Fry Lounge		
Chair: Kieran Lax	xen		Fry Suite		
09.30 – 10.00 Keynote 4 Air Quality and Mental Health – Evidence, Challenges and Futur Directions: Professor Kamaldeep Bhui, Professor of Psychiatry, Senior Research Fellow, Wadham College, University of Oxford					
Chair: Douglas E Co-Chair: Nat Ea			Fry Suite		
10.00 – 10.30	ECR Feedback	ECR Visons for the Future of Clean Air			
Chair: Heather P Co-Chair: Paul L			Fry Suite		
10.30 – 11.10	Panel	Empowering Regions: The Impact and Evolution Administration Panel Participants: Roger Herbert, Neil Rowland,			
11.10 – 11.15					

11.15 – 11.30	Coffee/ Tea Break	Fry Lounge
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11.30 – 13.00 Parallel Sessions

2.1	2.1 Chair: Tom Gardiner Co-Chair: Alice Handy		New Tools for Air Quality Analysis	Corelli
	Eleanor Smith	A reanalysis of	air quality in the UK	Abstracts
				Page: 41 - 45
	Megan McGrory Variability of anthropogenic emissions and exposure in London: model results			
	Chengxu Tong Using machine learning and causal inference to evaluate the effects of london ultra low emission zone.			
	Matt Thomas A data integration approach to estimating personal exposures to air pollution			

2.2	2.2 Chair: Gary Fuller Co-Chair: Nat Easton		Emissions and Sources of Modern Air Pollution	Lodge
			mestic wood & solid fuel burning - impact from	Abstracts
		lounge to Londo	on-wide	Page: 47 - 50
·	Eiko Nemitz Source analysi		s of organic compounds using flux measurements at	
the BT Tower, I		the BT Tower, L	ondon	
'	Srivastava	Sources of the	fine particulate matter (PM2.5) in the West Midlands	
	Deepchandra	using multiple re	eceptor modelling approaches	
	Pablo Martin	Urban NH3 in the	he UK: Are we measuring in the right places?	

2.3 Chair: Noel Nelson Co-Chair: Joe Acton		Policy Application and Communication	Bantock
Yasmine El-Gabry Applying resea discussion)		rch to policy solutions for clean air (workshop/applied	Abstracts Page: 51 - 53
Yuqing Dai AQPET — An I		R package for air quality policy evaluation	
Michael Hollaway	A UK Emission	s Modelling System (UK – EMS)	
Malcolm White The Integrated Care System (ICS) Clean Air Framework and Clea Air Hospital Framework: Tools for the NHS to Tackle its Air Pollutic Problem.			
Shaun Brace			

2.4	Chair: Suzanne Bartington Co-Chair: Ruth Doherty		Transport and Air Quality: Methods and Solutions	MacNeice
	Lilli Helps Quantifying cha		anges in air pollution concentrations caused by traffic	Abstracts
	interventions			Page: 54 - 55
	Mark Longden AutoAlign: the		lifetime impact of air pollution	
	Mark Peckham	Short-term pub	olic exposure to high levels of NO & NO2:	
	some applications of millisecond analyzers			

2.5 Chair: Paul Lewis Co-Chair: Kayla Schulte		The Application of Air Quality Sensors	Elgar
Charlie Lam Air quality monitoring using sensor network and mobile transect at University Hospitals Plymouth'		Abstracts Page: 56- 61	
Rajat Gup		easuring indoor air pollutants with low-cost and high- n a low-carbon home retrofit	
Ajit Sing		Evaluating the impact of school street interventions on air quality at primary schools in Oxfordshire	
Connor Your	compounds in	ession modelling of outdoor volatile organic Leicester, UK: tial resolution of exposure assessment tools	
Pete Edward	7 100 000 111 10	Assessing and enabling the use of low-cost air pollution sensors in UK urban environments – The QUANT study	

13.00 - 14.00	Lunch, Poster Presentations and Exhibits	Restaurant/ Fry Lounge
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Chair: Lara Edwards			Fry Suite
14.00 – 14.30	Keynote 5	Al, Air Quality and Health – A Breath of Fresh Air: Topping, Professor of Digital Environment, Centre for Science, The University of Manchester	

Chair: Gary Fuller Fry Suit			
14.30 – 15.00	Martin Williams Lecture	The Future of Air Quality – Opportunities and Challenges: Professor Alastair Lewis, Professor of Atmospheric Chemistry, The National Centre for Atmospheric Science (NCAS), University of York, Chair of the Air Quality Group (AQEG)	
15.00 – 15.15		Coffee/Tea Break	Fry Lounge
Chair: Sarah Moller Co-Chair: Claire Holman			Fry Suite
15.15 – 16.15	Panel	Improving Air Quality – The Next Steps Panel Participants: John Newington, Alastair Lewis, Lara Edwards, Nat Easton	
16.15 – 16.30	Closing	Professor Sir Stephen Holgate	Fry Suite
	Statements and Poster prize presentations		
16.30		Conference closes	

Hosts and Speakers (List)

1.	Acton, Dr Joe	University of Birmingham	Day 2 (11.30 – 13.00)
2.	Agyepong, Dr Agnes	Global Black Maternal Health Institute	Day 1 (11.50-12.20)
3.	Andrews, Paul	CAGE Technologies Ltd and Oak Tec	Day 1 (15.45 – 17.15)
4.	Barrett, Prof Ben	Imperial College, London	Day 1 (15.45 – 17.15)
5.	Bartington, Dr Suzanne	University of Birmingham, UKRI Clean Air Champion	Day 1 (11.35 – 12.20) Day 2 (11.30 – 13.00)
6.	Bennett-Steele, Dr Naomi	Asthma UK and the British Lung Foundation, The Health Foundation	Day 1 (14.00 -15.15) (15.45 – 17.15)
7.	Bloss, Professor William	University of Birmingham	Day 1 (14.00 -15.15)
8.	Booker, Dr Douglas	NAQTS, Leeds University), UKRI Clean Air Regional Champion for NW and West Midlands	Day 1 (14.00 -15.15) (15.45 - 17.15) Day 2 (10.00 - 10.30)
9.	Brean, Dr James	University of Birmingham	Day 1 (14.00 -15.15)
10.	Burridge, Dr Henry	Imperial College, London.	Day 1 (15.45 – 17.15)
11.	Bhui, Professor Kamaldeep	University of Oxford	Day 2 (09.30 – 10.00)
12.	Budisulistiorini, Professor Sari	University of York.	Day 1 (14.00 -15.15)
13.	Casey, John	Imperial College London	Day 2 (11.30 – 13.00)
14.	Chatzidiakou, Dr Evangelia	University of Cambridge.	Day 1 (15.45 – 17.15)
15.	Dai, Dr Yuqing	University of Birmingham.	Day 2 (11.30 – 13.00)
16.	Das, Dr Darpan	University of York	Day 1 (15.45 – 17.15)
17.	Doherty, Professor Ruth	The University of Edinburgh, HEICCAM	Day 2 (11.30 – 13.00)
18.	Donnan, Adam	Institute of Environmental Sciences	Day 1 (17.15 – 17.45)
19.	Easton, Dr Nat	University of Southampton	Day 1 (15.45 – 17.15) Day 2 (10.00 – 10.30) (11.30 – 13.00) (15.15 – 16.15)
20.	Edwards, Lara	Health Data Research UK (HDRUK	Day 2 (14.00 – 14.30) (15.15 – 16.15)
21.	Faherty, Dr Thomas	University of Birmingham.	Day 1 (14.00 -15.15)
22.	Fuller, Dr Gary	Imperial College, London, UKRI Clean Air Champion.	Day 1 (12.20 – 13.00 Day 2 (11.10 – 11.15) (11.30 – 13.00) (14.30 – 15.00)

23. Gardiner, Tom	National Physical Laboratory (NPL)	Day 2 (11.30 – 13.00)
24. Gibbons, Emma	University College London.	Day 1 (14.00 -15.15)
25. Gupta, Professor Rajat	Oxford Brookes University	Day 2 (11.30 – 13.00)
26. Handy, Dr Alice	Imperial College, London	Day 1 (14.00 -15.15) Day 2 (11.30 - 13.00)
27. Hall, Dr James	University of Birmingham.	Day 2 (11.30 – 13.00)
28. Heathwaite, Professor Louise	NERC, Lancaster University	Day 1 (11.00 – 11.15)
29. Hedges, Mike	Imperial College, London	Day 1 (14.00 -15.15)
30. Helps, Lilli	University of Leicester.	Day 1 (14.00 -15.15) Day 2 (11.30 - 13.00)
31. Herbert, Roger	Welsh Government	Day 2 (10.30 – 11.00)
32. Hodgson, Dr James	University of Birmingham	Day 1 (14.00 -15.15) Day 2 (16.15 - 16.30)
33. Holgate, Professor Sir Stephen	University of Southampton	Day 1 (10.30 – 10.40)
34. Holman, Dr Claire	Institute of Air Quality Management (IAQM), Air Pollution Services	Day 2 (15.15 – 16.15)
35. Holloway, Michael	Centre of Ecology and Hydrology (CEH)	Day 2 (11.30 – 13.00)
36. Hu, Dawei	University of Manchester	Day 1 (14.00 – 15.15)
37. Kane, Danny	Nooku, Air Quality Monitoring Solutions	Day 1 (14.00 -15.15)
38. Laxen, Kieran	Institute of Air Quality Management (IAQM), Air Pollution Services	Day 2 (09.30 – 10.00)
39. Lam, Dr Charlie	University of Plymouth	Day 2 (11.30 – 13.00)
40. Lewis, Professor Paul	Swansea University, UKRI Regional Champion for Wales	Day 2 (10.30 – 11.00) (11.30 – 13.00)
41. Lewis, Professor Alastair	University of York, Air Quality Expert Group (AQEG)	Day 2 (14.30 – 15.00) Day 2 (15.15 – 16.15)
42. Lockwood, Larissa	Global Action Plan (GAP)	Day 1 (15.45 – 17.15) Day 2 (11.30 – 13.00)
43. Longden, Mark	RL Automotive	Day 2 (11.30 – 13.00)
44. Loxham, Professor Matt	University of Southampton	Day 1 (14.00 -15.15)
45. Liu, Norrice	Queen Mary University of London	Day 1 (14.00 -15.15) (15.45 – 17.15)
46. Marmot, Prof. Sir Michael	University College London	Day 1 (10.40 – 11.00) (11.50 -11.20)

47.	Martin, Dr Pablo	UK Centre for Ecology and Hydrology	Day 2 (11.30 – 13.00)
48.	Marczylo, Dr Emma	UK Health Security Agency/BioAirNet	Day 1 (15.45 – 17.15)
49.	McGrory, Dr Megan	University of Reading	Day 2 (11.30 – 13.00)
50.	Meldrum, Dr Kirsty	University of Swansea	Day 1 (14.00 -15.15)
51.	Mereno Rangel, Dr Alejandro	University of Strathclyde	Day 1 (14.00 -15.15)
52.	Moller, Dr Sarah	National Centre for Atmospheric Science, University of York	Day 2 (15.15 – 16.15)
53.	Namdeo, Professor Anil	Northumbria University, UKRI Regional Clean Air Champion for NE and East Midlands	Day 1 (14.00 -15.15)
54.	Nasar, Dr Zaheer	Cranfield University	Day 1 (15.45 – 17.15)
55.	Neal, Lucy	Met Office	Day 1 (15.45 – 17.15)
56.	Nelson, Noel	Met Office, UKRI Co-Champion	Day 2 (11.30 – 13.00)
57.	Nemitz, Dr Eiko	UK Centre for Ecology and Hydrology	Day 2 (11.30 – 13.00)
58.	Newington, John	Department for Environment. Food and Rural Affairs (DEFRA).	Day 2 (15.15 – 16.15
59.	Noakes, Professor Catherine	University of Leeds, Breathing City (FUVN)	Day 1 (14.00 -15.15)
60.	O'Brien, Marta	University of Reading	Day 1 (15.45 – 17.15)
61.	O'Malley, Kevin	Innovate UK	Day 1 (15.45 – 17.15)
62.	Parish, Dr Bill	Department for Environment. Food and Rural Affairs (DEFRA)	Day 2 (11.30 – 13.00)
63.	Peckham, Dr Mark	Cambustion Ltd	Day 2 (11.30 – 13.00)
64.	Petrou, Dr Giorgos	University College London	Day 1 (14.00 -15.15)
65.	Petts, Professor Dame Judith	University of Plymouth	Day 1 (11.15 – 11.35) (11.50 – 11.20)
66.	Price, Dr Heather	University of Stirling, UKRI Regional Clean Air Champion for Scotland.	Day 1 (15.45 – 17.15) Day 2 (10.30 – 11.00)
67.	Reed, Dr Sophie	University of Swansea	Day 1 (15.45 – 17.15)
68.	Rowland, Dr Neil	Queen's University, Belfast.	Day 2 (10.30 – 11.00)
69.	Schulte, Dr Kayla	Imperial College London	Day 1 (15.45 – 17.15) Day 2 (11.30 – 13.00)
70.	Shao, Dr Yunqi	University of Manchester	Day 1 (15.45 – 17.15)
71.	Shaw, Dr David	University of York	Day 1 (15.45 – 17.15)
72.	Singh, Dr Ajit	University of Birmingham	Day 2 (11.30 – 13.00)
73.	Sleet, Sarah	CEO Asthma + Lung UK	Day 1 (17.15 – 17.45
74.	Smith, Dr Eleanor	Met Office	Day 2 (11.30 – 13.00)

75. Sommariva, Dr Roberto	University of Birmingham	Day 1 (15.45 – 17.15)
76. Srivastava, Dr Deepchandra	University of Birmingham	Day 2 (11.30 – 13.00)
77. Stocker, Dr Jenny	CERC	Day 2 (11.30 – 13.00)
78. Taylor, Andrew	Scottish Government	Day 2 (10.30 – 11.00)
79. Taylor, Chris	Phillips	Day 1 (15.45 – 17.15)
80. Thomas, Dr Matt	DIMEX	Day 2 (11.30 – 13.00)
81. Topping, Professor Dave	The University of Manchester	Day 2 (14.00 – 14.30)
82. Tong, Chengxu	University of Birmingham	Day 2 (11.30 – 13.00)
83. Ullah, Professor Sami	University of Birmingham	Day 1 (14.00 -15.15)
84. Varaden, Dr Diana	Imperial College London	Day 1 (15.45 – 17.15)
85. Williams, Carys	University of York	Day 1 (14.00 -15.15)
86. White, Dr Malcom	Global Action Plan	Day 1 (15.45 – 17.15) Day 2 (11.30 – 13.00)
87. Whitehouse Dr Abigail	Queen Mary University of London (QMUL)	Day 1 (11.50 – 11.20)
88. Xiang, Junjun	University of Birmingham	Day 1 (14.00 -15.15)
89. Yeoman, Dr Amber	University of York	Day 1 (15.45 – 17.15)
90. Young, Connor	University of Leicester	Day 2 (11.30 – 13.00)
91. Zhong, Dr Jian	University of Birmingham	Day 1 (14.00 -15.15)