SPF Clean Air Programme - Annual Conference

"*Seeking Solutions for Clean Air*"

5, 6 & 7 April 2022 – 0930-1330

Zoom Link
https://us06web.zoom.us/j/85145718578?pwd=VnhwaWliQlBDcU5tODVwNUp0OGJZUT09

Main Theme: The future of indoor / outdoor air pollution

- *Sub-theme 1: Regulation and Future Generations* - Thinking of the future of indoor/outdoor air pollution, how might regulation be used to ensure better air quality for future generations?
- *Sub-theme 2: Climate change co-benefits* - Thinking of achieving net zero and cleaning up the air we breathe, how might your research help identify and deliver co-benefits?
- *Sub-theme 3: Hyperlocal AP monitoring and information for the public* - Recognising the importance of providing information to the public and other key stakeholders, how could your research be harnessed towards behaviours that are directed towards improving human health?

Conference programme subject to change.

Further details on presenters can be found in the delegate pack

DAY 1 : 5 April 2022	
Regulation and Future Generations **Thinking of the future of indoor/outdoor air pollution, how might regulation be used to ensure better air quality for future generations?**	
0915	**Waiting Room opens for Delegates**
0930	**Welcome from the Clean Air Programme** *Professor Sir Stephen Holgate* *Clean Air Champion for the SPF Programme* **Followed by introductions in small groups**
	Introduction to the Clean Air Programme *Dr Gary Fuller, Clean Air Champion*
	Martin Williams Memorial Lecture *Dr Maria Neira* *Director Department of Environment, Climate Change and Health*

	World Health Organisation **Introduced by Professor Sir Stephen Holgate** **Followed by delegate comments and reflections**
1040	**COFFEE BREAK**
1050	**Welcoming today's Citizens Panel - Dr Jenny Baverstock, Clean Air Champion**
	Introducing the Clean Air Consortia Video: ***Consortia 1 – INGENIOUS*** - *UnderstandING the sourcEs, traNsformations and fates of IndOor air pollUtantS* - **Nicola Carslaw** **Followed by breakout discussions and feedback**
	Clean Air Programme Investments Showcase 1 **Auto-Align**: Reduction of tyre and road wear through wheel alignment monitoring - *Mark Longden* **BioAirNet**: Indoor / Outdoor Bioaerosols Interface and Relationships Network - *Zaheer Nasar* **CAGE:** Clean Air Gas Engine - *Paul Andrews* **CodiKoat**: Harnessing Nanoparticle array technology for the removal of domestic atmospheric pollutants - *Reza Saberi* Developing a UK Community Emission Modelling System (**DUKEMS**) - *Stefan Reis* **DREaM**: Component-Specific Air pollutant Drivers of Disease Risk in Early to Midlife: a pathway approach - *Ian Mudway* The health and equity impacts of climate change mitigation measures on indoor and outdoor pollution exposure (**HEICCAM**) - *Ruth Doherty* Indoor Air Quality - Emissions and Modelling System (**IAQ-EMS**) - *Christian Pfrang* **Kilometre scale air quality model** for the UK - *Benjamin Drummond* **Smarter Home** Indoor Air Quality Monitoring System - *Victor Higgs* **Followed by reflections in mixed breakout groups and plenary feedback**
	Reflections from Day 1 *Suzanne Bartington, University of Birmingham* *Citizens Panel*
	Outline for Day 2
1300	**Close of Day 1**
DAY 2 : 6 April 2022 *Climate change co-benefits* **Thinking of achieving net zero and cleaning up the air we breathe, how might your research help identify and deliver co-benefits?**	
0915	**Waiting Room opens for Delegates**
0930	**Welcome** **Outline for Day 2 - aims and objectives** **Followed by networking in small groups**
	Welcoming today's Citizens Panel

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	Introducing the Clean Air Consortia Video: *Consortia 2 – HIP-Tox* - *Hazard Identification Platform to Assess the Health Impacts from Indoor and Outdoor Air Pollutant Exposures, through Mechanistic Toxicology* - ***Gordon McFiggans*** **Followed by breakout discussions and feedback**
	Keynote Presentation *Professor Mark Nieuwenhuijsen* *Director of the Urban Planning, Environment and Health Initiative, and Director of the Air pollution and Urban Environment Programme. ISGLOBAL* **Introduced by the Clean Air Team** **Followed by delegate comments and reflections**
1105	**COFFEE BREAK**
	Clean Air Programme Investments Showcase 2 **ANTICIPATE**: Actively anticipating the unintended consequences on air quality of future public policies - *Alexandra Penn* **Clean Air Metrology Network** and Clean Air Metrology **Emissions and Atmospheric Metrology** – *Tom Gardner* Air Pollution Solutions for Vulnerable Groups (**CleanAir4V**) - *Christian Pfrang* **Cool Run**: Hubl's solution to multi-temperature, last-mile delivery – *Hugh Frost / John Morrissey* Data integration model for exposure modelling (**DIMEX-UK**) - *Gavin Shaddick* High efficiency air purification system (**MopFan**) – *presenter tba* **MAQS** – Health (Multi-Model Air Quality System for Health Research) - *Amy Stidworthy* **Platform technology** for the removal of critically underserved air pollutants in homes - *Tom Sturgeon* **TRANSITION** Clean Air Network – Optimising air quality and health benefits associated with a low-emission transport and mobility revolution in the UK - *Suzanne Bartington; James Levine; Charlotte Landeg-Cox; Harry Williams* **Followed by reflections in mixed breakout groups and plenary feedback**
	Introducing the Clean Air Consortia Video: *Consortia 3 – RESPIRE* - *Relating Environment-use Scenarios in Pregnancy/Infanthood and Resulting airborne material Exposures to child health outcomes* - ***Cathy Thornton*** **Followed by breakout discussions and feedback**
	Reflections from Day 2 *Policy viewpoint: Bill Parish - Defra* *Citizen Panel*
	Outline for Day 3
1315	**Close of Day 2**

DAY 3 : 7 April 2022 *Hyperlocal AP monitoring and information for the public.* **Recognising the importance of providing information to the public and other key stakeholders, how could your research be harnessed towards behaviours that are directed towards improving human health?**	
0915	**Waiting Room opens for Delegates**
0930	**Welcome** **Outline for Day 3 - aims and objectives** **Followed by networking in small groups**
	Keynote Presentation *Breathe London* *Dr Iq Mead* *Head of the Air Quality Measurement, Imperial College London* **Introduced by the Clean Air Champion Team** **Followed by delegate comments and reflections**
	Welcoming today's Citizens Panel
	Introducing the Clean Air Consortia Video: *Consortia 4 – WellHome - Frank Kelly* **Followed by breakout discussions and feedback**
1100	**COFFEE BREAK**
	Clean Air Programme Investments Showcase 3 **APEx:** An Air Pollution Exposure model to integrate protection of vulnerable groups into the UK Clean Air Programme - *Ben Barratt* **Clean Air Framework** - *Corinne Bosley* **FamilyAIR** : Personalised, Actionable Air Quality Monitoring for the Entire Family - *Stefan Raue* **Breathing City**: Future Urban Ventilation Network - *Cath Noakes* **GAP:** Engaging the public: Indoor & outdoor air quality outreach - *Larissa Lockwood* **Measure, inform, nudge**: an integrated, human-centric air quality measurement and visualisation system - *Parag Rastogi* **OSCA**: Integrated Research Observation System for Clean Air - *James Allan* **QUANT**: Quantification of Utility of Atmospheric Network Technologies - *Pete Edwards* **TAPAS** – Tackling Air Pollution at School - *Paul Linden* **Followed by reflections in mixed breakout groups and plenary feedback**
	Citizen Panel - Our Message To You **Followed by - Investments Response - What we have learned** – *Professor Frank Kelly, Imperial College*
	Reflections on the Conference - Clean Air team funder partners *NERC (Caroline Culshaw) Met Office (Noel Nelson) IUK (Kevin O'Malley)*
1300	**Close of Conference**

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