

HEICCAM Clean Air Research Network

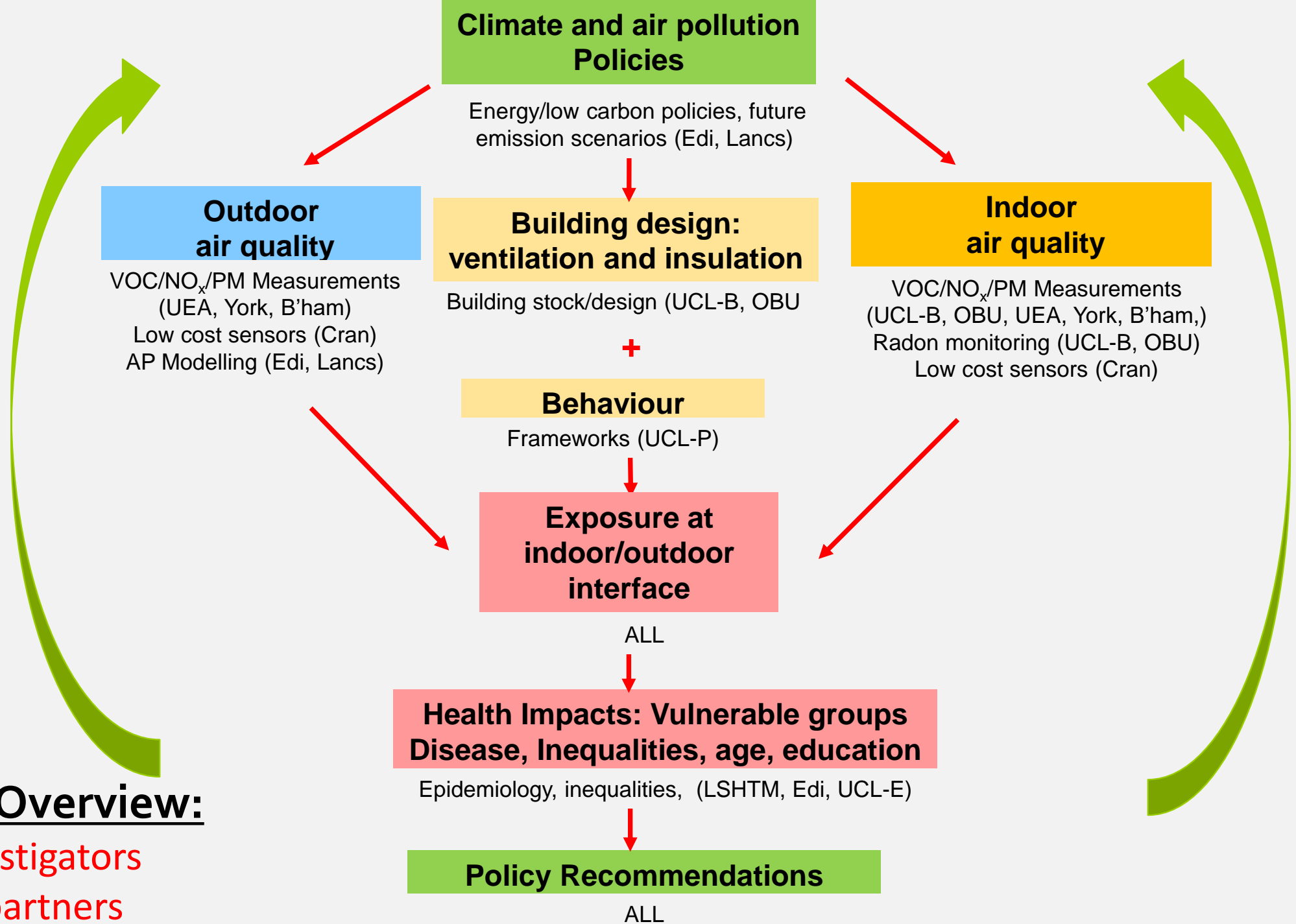
The health and equity impacts of climate change mitigation measures on indoor and outdoor air pollution exposure

Prof Ruth Doherty, University of Edinburgh
28 September 2021



AIM

To develop an interdisciplinary and multi-sectoral network to **improve research evidence, policy and regulatory advice** on optimising the health impacts of changing indoor and outdoor air pollution under a low carbon future



Network Overview:

18 (23) Investigators

22 Project partners

Objectives

- Convene cross-disciplinary network
- Facilitate interactions between early career and established researchers
- Undertake targeted evidence syntheses, measurement and modelling studies
- Co-produce agenda-setting papers for science and policy
- Disseminate findings
- Year 1: scoping; Year 2: Solutions; Year 3: Policy recommendations

Project Updates: Science Working Groups

Year 1

WG1 Chemical environment and policy at the indoor-outdoor interface

WG2 Industry readiness for policy challenges

WG3 Population health, vulnerability and inequalities

Year 2

WG4 Household ventilation/insulation for indoor air quality and the low carbon agenda

WG5 Occupant behaviours

WG6 Solutions for air quality and health inequalities and vulnerable groups

Project Updates: Science Working Groups

All WGs have been assembled: Document template for WG reports designed

WG1 Chemical environment and policy at the indoor-outdoor interface

- WG1 leads held its first panel discussion on 19-20 July 2021.
- Members outlined key research questions to be undertaken, knowledge gaps in the area of indoor and outdoor air quality monitoring and modelling and the possible future outcomes of the WG activities.

WG2 Industry readiness for policy challenges

- WG2 leads have established initial contact with the industry partners and currently working to outline industry needs with key partners.

WG3 Population health and inequalities

- WG3 leads have outlined key research questions to be undertaken and initial literature survey completed.

Project Updates: Deliverables

Each working group will provide a short report to inform year 2 or year 3 annual assemblies and agenda papers

Report objectives

- *Provide current status of knowledge on each research question outlined*
- *Identify key research gaps and how these gaps can be filled*
- *Headline messages that can feed into policy and agenda setting papers*
- *Engage at offset with industry and public sector project partners and seek their feedback on report*
- *Conclusions and recommendations*

Project Updates: Early career Researcher (ECR) Development

Activity led by: Dr Anna Mavrogianni, Dr Kirsti Ashworth, Dr Shipra Jain

Recruited 11 early-career researchers to join the network

Including PhDs and post-docs

Representing 8 different universities across the UK

UCL, Lancaster University, University of Cambridge, University of Cranfield, University of York, Institute of Occupational Medicine, University of Malta and University of Chester

Discussion meeting scheduled for October 22

- Lead, design and deliver the ECR-focused activities (e.g. webinars, resource sharing, peer-mentoring, career development training, side-events at the HEICCAM Annual Assembly)
- Reach out to a ECRs engaged in this interdisciplinary research space to determine their needs from such a network

Events

Clean Air Day event on “Communicating Clean Air Research”, 17 June 2021

How to 'translate' air quality science into messaging, media stories and social media campaigns. The event was jointly organized by the six SPF-Clean Air funded air quality networks.

HPRU-HEICCAM Joint Webinar and Panel Discussion, 30 June 2021

Topic: Relationship between home energy retrofit, indoor air quality and health under the path to Net Zero

- **Fireside Chat:** Prof Paul Wilkinson (LSHTM) and Director of the HPRU on Environmental Change was speaking to/interviewed Dr Anna Mavrogianni (Bartlett Faculty UCL)
- **Stakeholder insights** by Anastasia Mylona, Head of Research at CIBSE and Margaret Ogden, PLANET (Public Led and Knowledge Engagement Team) member
- **Lively Q&A session** on pathways towards low carbon and healthy energy retrofit.

The webinar was attended by ~60 participants, representing a diverse number of stakeholders. Currently, a perspective paper is under preparation based on the discussion outcomes

Announcements

HEICCAM Annual Assembly, 25-26th October 2021

Our 2021 annual assembly will bring together multi-disciplinary senior and early-career researchers and project partners to discuss challenges associated with indoor and outdoor air quality under a low carbon agenda.

Day 1 (25 October 2021): Focus on key research questions, knowledge gaps and priorities of the HEICCAM project, and networking across project members and partners.

Day 2 (26 October 2021): Focus on HEICCAM science working groups' objectives, ongoing research activities and plans for future research under HEICCAM.

For information on how SPF networks are working together, please see presentation by SAQN manager, Fleur Hughes.

Email: info@heiccam.org

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