Theme 3
Breathing City into Practice

Lead: Prof. Tim Sharpe, Head of Architecture, University of Strathclyde
tim.sharpe@strath.ac.uk
Theme 3: Challenges
Challenges

Awareness of pollution outdoors
Challenges

Awareness of pollution outdoors
Increasing awareness of pollution indoors

• Health Effects of Modern Airtight Construction
  http://hemacnetwork.com

• Royal College of Paediatrics and Child Health

• National Institute for Health and Care Excellence (NICE): Indoor air quality at home
  https://www.nice.org.uk/guidance/ng149
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Where do these problems overlap?

Poor regulation - fragmented standards
Lack of compliance
Lack of design skills and tools
Lack of knowledge to inform user behaviour
No connection between urban and building scale problems
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Theme 3: Objectives

Using the networks knowledge and expertise to inform:

- Policy, planning and regulation
- Tools and guidance for designers and clients
- Engage with industry and manufacturing
- Information, advice and tools for owners and occupants
- Citizen Science
- Data collection
Theme 3: Objectives
How we inform policy and regulation

“... but no-one died”
Theme 3: Objectives
How we improve design

Source: Fourwalls, Building Sciences (RSK); Leeds Beckett University; Innovate UK BPE portfolio
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Theme 3: Objectives
How we inform and involve building users
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Outcomes
COVID: Translating knowledge into actions
Policy

Documents
- Role of ventilations in controlling SARS-CoV-2 transmission, 30 September 2020
- Preparing for the Environmental Modelling group

Details
- Date of posting: 30 September 2020
- Source: GOV.UK

Research and analysis
SPH/EMG: COVID-19 housing impacts, 10 September 2020
Paper prepared by the Scientific Pandemic Influenza Group on Behavioral (SPH) and the Environmental and Modelling group (EMG).

Documents
- COVID-19 housing impacts, 10 September 2020

Details
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Outcomes
Translated into guidance for industry
Challenges
Translated into actions for people

- Initial Theme 3 project to survey ventilation awareness and use

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Translated into actions for people

• Initial Theme 3 project to survey ventilation awareness and use

Theme 3: Activities
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Engage and inform users and stakeholders from micro to macro scales

Policymakers, regulators, standards, designers, building owners and operators and end users

Range of events, workshops, focus groups, pump priming studies, engagement activities planned over the course of the network.

Theme 3 citizen science activities – doing things \textit{with} people not \textit{to} people
Theme 3: How?
Theme 3 - Key Questions

Who are the key stakeholders that we need to engage with?

Stakeholders: Gaps in knowledge - what do they need to know?

What evidence is needed to drive policy and regulatory change?

How do we engage and inform built environment professionals?

What tools are needed to connect design from room/building/street/town/city? - where are the gaps?
Theme 3 - Key Questions

How can we collect data on pollution and health in buildings?

What information, advice, advocacy is needed by building users?

How can we engage with and inform building clients and users?

How can the network support people with health vulnerabilities?
Theme 3: Impact

“Buildings don’t use energy, people do”  K. Janda

“Buildings don’t get sick, people do”