

Heat Risk in London Group
September 19, 2017, 13:00-16:00
Room 807, Defra Nobel House, London



Meeting notes

In attendance:

Briony Turner, UKCIP/ARCC
Giridharan Renganathan, University of Kent
Tim Reeder, LCCP
Anna Mavrogianni, UCL
Gianluca Pescaroli, UCL IRDR
Charles Snead, TFL
Annette Figueiredo, GLA
Nicola O'Connor, Mandarin Research
Anna Sexton, PHE
Kristen Guida, London Climate Change Partnership
Nick Jackson, Defra
Anastasia Mylona, CIBSE

Apologies:

Daniel Navarro-Bermudez, Peabody Housing
Matthew Hogan – London Resilience
Katherine Drayson – GLA
Rajat Gupta – Oxford Brookes University
John Kolm-Murray – Islington Council
Katherine Drayson – GLA
Helen MacIntyre, PHE

Welcome and Introductions

Kristen welcomed attendees and led introductions.

Minutes of the last meeting

The group approved the minutes of the last meeting (April 13). Actions have been completed.

TM 59 design methodology for assessing overheating risk in homes

Anastasia introduced the methodology and provided background and context. Thus far we have been lacking a consistent methodology for assessment of the risk of overheating in homes. The TM 59 tries to fill this gap. Kristen will circulate slides.

Discussion points:

- Need modelling on criteria, so as to understand feasibility and where to set limits.
- Heat stress is a factor of temperature and humidity. How is humidity understood and tackled? Could this group help?
- Not just about development of new homes, but also major retrofit. Shading and design to consider future risk.

- Are there façade elements that could impact on air quality?
- Industry feedback has been positive. There's the challenge of using it in central London, where there's more noise and pollution. Window opening can be an issue, which means more mechanical ventilation and mechanical cooling.

Better Homes, Better Air, Better Health

Briony presented about this initiative, which is a collaboration on air quality between the medical and built environment communities led by the Royal College of Physicians, the Royal College of Pediatrics and Child Health, BRE, and ARCC. Guidance has been produced, but due to the varied nature of building stock, more is needed to understand indoor air quality and exposure. In particular:

- The economic impact of poor indoor air quality
- Are the solutions provided (e.g., measures installed) actually working?
- The relationship between indoor air pollution, exposure, and health impacts
- Robust longitudinal studies of indoor air quality profiles

There was also a suggestion to treat excess heat as a pollutant (thereby emphasizing the need to mitigate the urban heat island), and to consider separating homes from the sources of pollution, which might affect the ability to ventilate a home naturally.

The RCP and BRE are looking to support the RCPCH in setting up a Working Party on the adverse effects of exposure to indoor-generated air pollution on children in homes and schools. It is expected that this will begin formal meetings in early 2018, with membership being agreed in the period leading to that. Briony mentioned that the scope of the Working Party may still be influenced; it was suggested that this should include planners.

Nic mentioned that Frontier Economics will soon publish a report on energy efficiency policy in the UK, focusing on quality and standards after the Bonfield review. She will circulate when it comes out.

Briony also mentioned a workshop held by the Institute for Environmental Design and Engineering Indoor Environments Group (UKIEG), which produced a report on challenges for policy makers. Links to more information, reports, and briefings are in the slides, which Kristen will circulate.

London Environment Strategy update

Annette reported that the draft [London Environment Strategy](#) has been published for consultation and encouraged everyone to contribute views. She briefly set out the key themes and ambitions of the strategy, and provided more detail about particular proposals around heat risk, including mapping the impact of the urban heat island on critical infrastructure and practical use of UCL's Triple Jeopardy Mapping. The Mayor will also be considering how to improve communication to Londoners about the threat of excess heat, but is keen to keep this evidence-based and not to scare people.

Other Mayoral strategies are also out for consultation, and the group's views will be welcome:

[Mayor's Transport Strategy](#)
[Health Inequalities Strategy](#)
[Housing Strategy](#)

There is a consultation event for the LES on October 19. Kristen will add this group to the mailing list for invitations.

Discussion points:

- The impacts of heat and water scarcity on green infrastructure should be considered more fully
- There needs to be more consideration of how behaviour may change due to extreme weather like heat, and whether expectations about how we deal with severe weather will have to change.
- Need to understand the sources of excess heat and think about this in engagement with businesses and other sectors.
- Anna M is working on a project following up on Climate Just, looking at the further work JRF commissioned on Climate Disadvantage. She will also circulate the draft pilot report on the practical use of the Triple Jeopardy Mapping in Hounslow.

Other business

Tim said that following the European Climate Change Adaptation (ECCA) conference in Glasgow in June, some people working on adaptation pathways in Australia and the Netherlands and London have started to try and set up a **community of practice on adaptation pathways**. Tim and Kristen are setting up a webinar with C40 cities to explain about pathways and the benefits (and examples) of using them in long-term adaptive planning.

Nick reported that Defra is in the latter stages of writing the **government response to the Adaptation Sub-Committee's recommendations** in its progress report on adaptation. This will shortly be sent around to other government departments for input.

Nick also reported that Defra is starting stakeholder engagement on the **second National Adaptation Programme**. They are seeking feedback on priorities, current activities, actions from the first NAP. This will take into account risks from the CCRA and link to the 25-year Environment Plan.

Anna M. said that the Health Protection Research Unit is collecting **hourly indoor air quality** information for the next couple of years, to investigate excess heat and indoor AQ. This will be modelled, rather than monitored data.

Briony mentioned that ARCC has a residual project to **review ARCC projects** to learn about how research outputs can be made more useful.

Nic said that an **all-party parliamentary group on healthy buildings** has a green paper out for responses by September 30. She will send a link.

Anna S. said that PHE will be working with boroughs next year on how to raise **awareness of weather impacts**.

Kristen said that LCCP is organizing a briefing from the Met Office about the **UKCP18 new suite of climate projections**. This will be at City Hall on Friday and all are welcome.

Actions

Who:	Action:
Kristen	Circulate presentations from Anastasia and Briony
Nic	Circulate Frontier Economics report and link to APPG healthy buildings paper.
Kristen	Add Heat Risk Group to mailing list for October 19 LES consultation event
Anna M.	Circulate draft Hounslow report on Triple Jeopardy mapping