



Theme 1 Workshop - Schedule

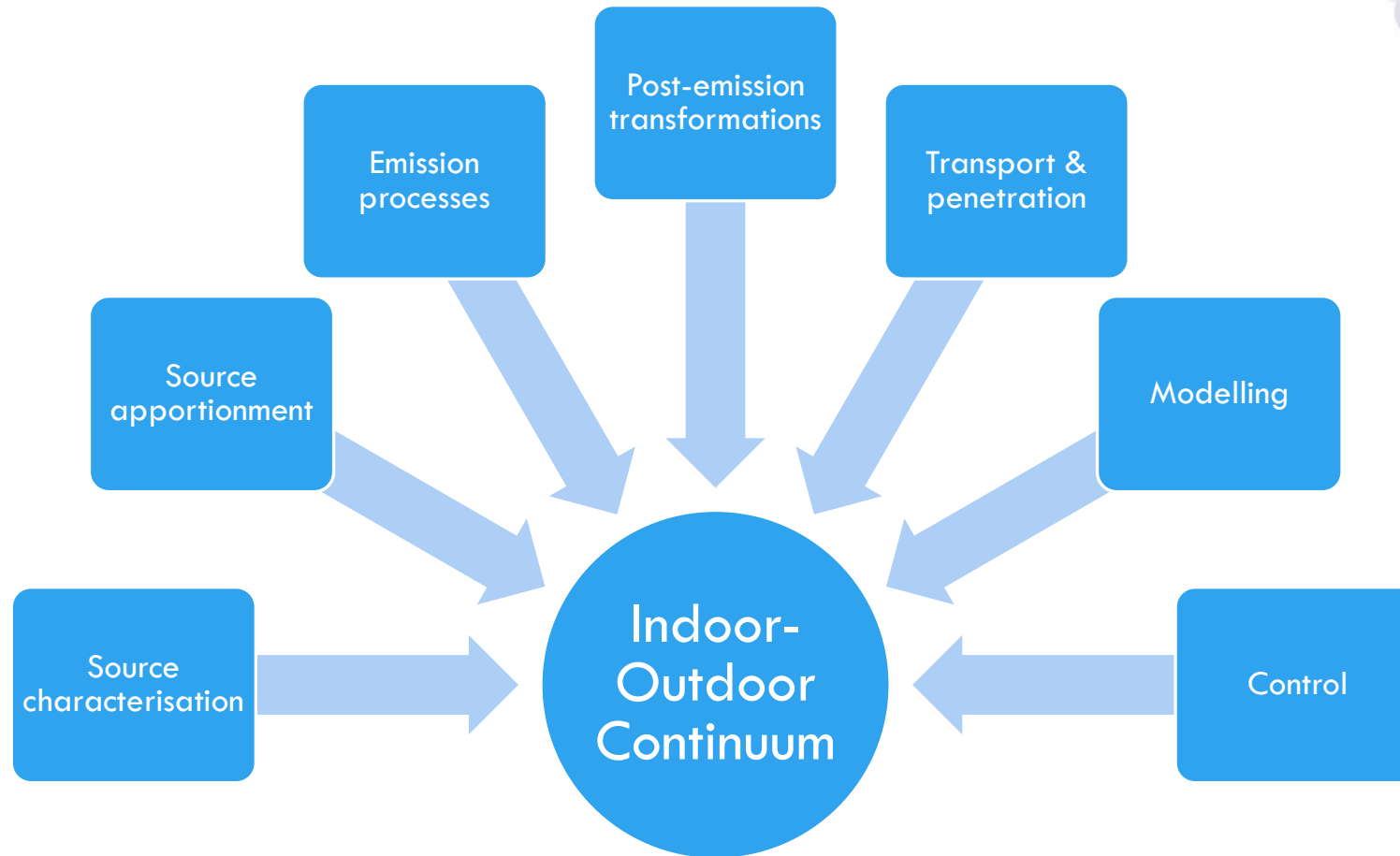
- 10:15 – Talk - Thoughts on Theme 1 (Sean & Ian)
- 10:30 – Discuss Theme focus (All)
- 11:00 – Talk - Dr Simon Parker (Dstl)
- 11:30 – Discuss future speakers & stakeholders (All)

Sean Tyrrel & Ian Colbeck

Grant Ref: NE/V002171/1



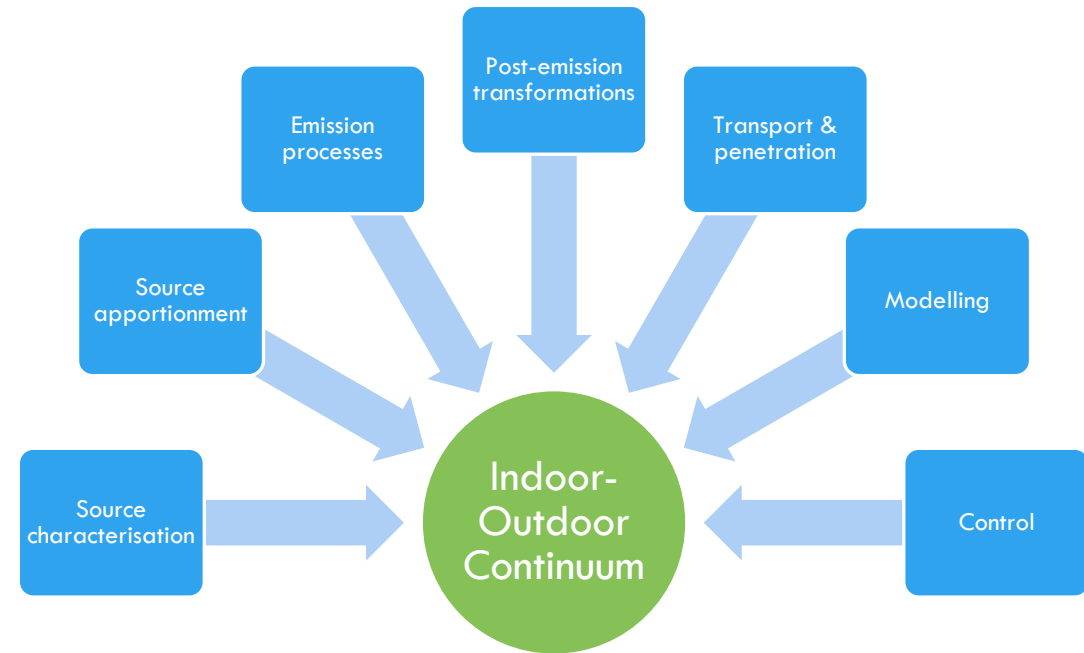
What should we focus on in future network meetings?



Some suggestions for our discussion

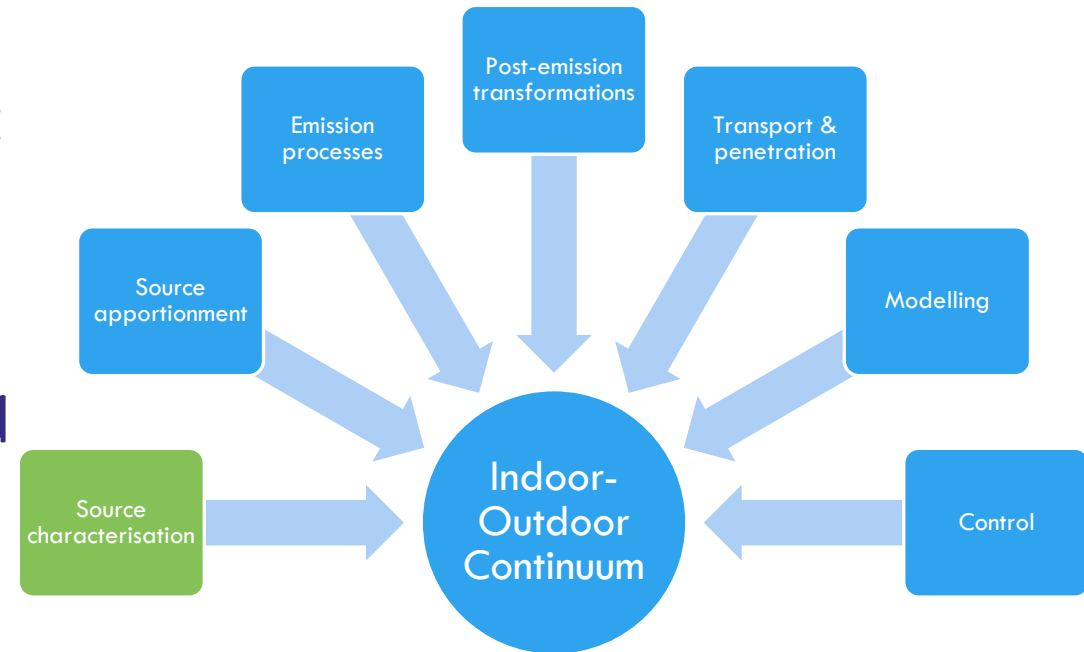
Indoor-outdoor continuum – what do we mean?

- Aggregating indoor and outdoor exposures - what are the measurement & interpretation challenges?
- Can we view BioPM holistically and take a “bioexposome” approach to exposures in people’s daily lives?



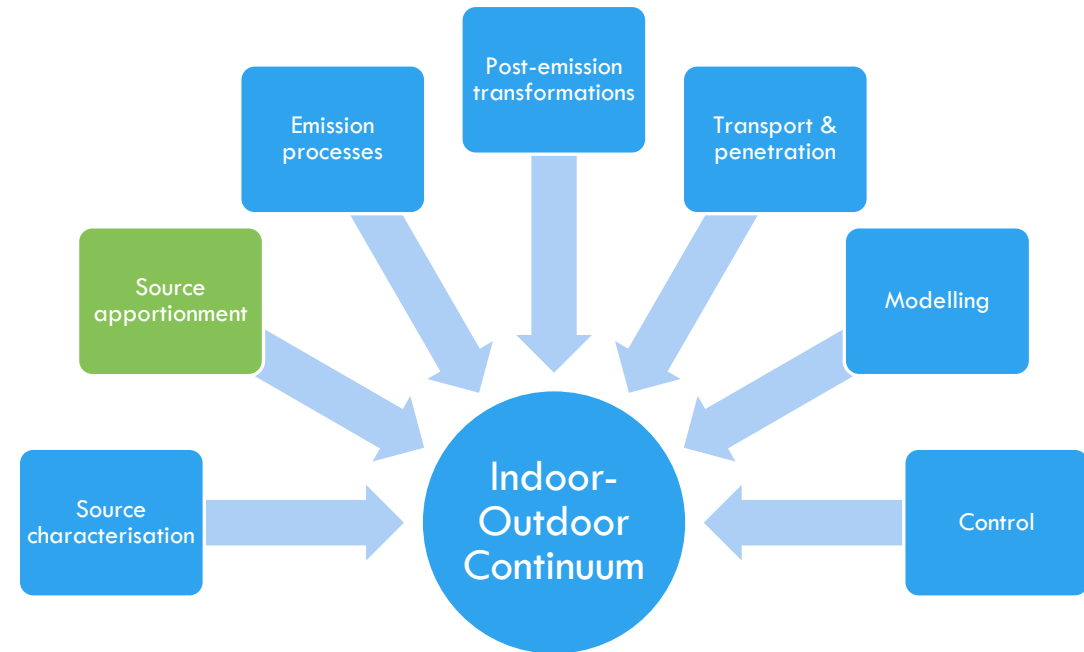
Source characterisation

- A lot already known about indoor & outdoor sources of BioPM – so what are the gaps?
- Might the semi-natural & built environments be designed, modified and regulated to encourage “healthy” exposures to BioPM?



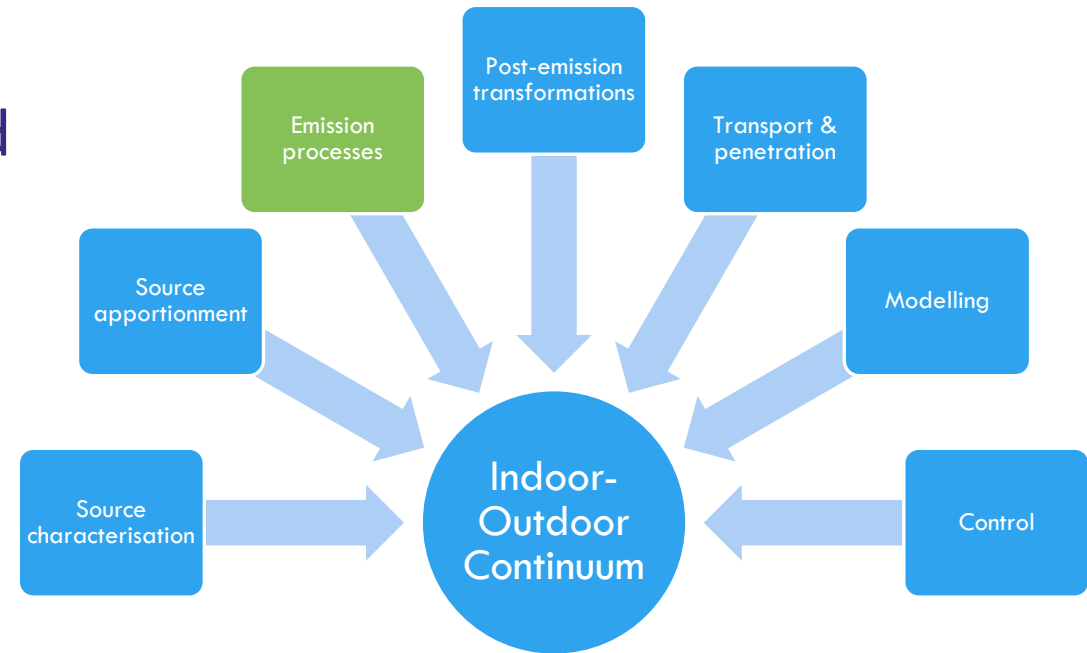
Source apportionment

- Are we able to apportion exposures to sources indoors and outdoors?



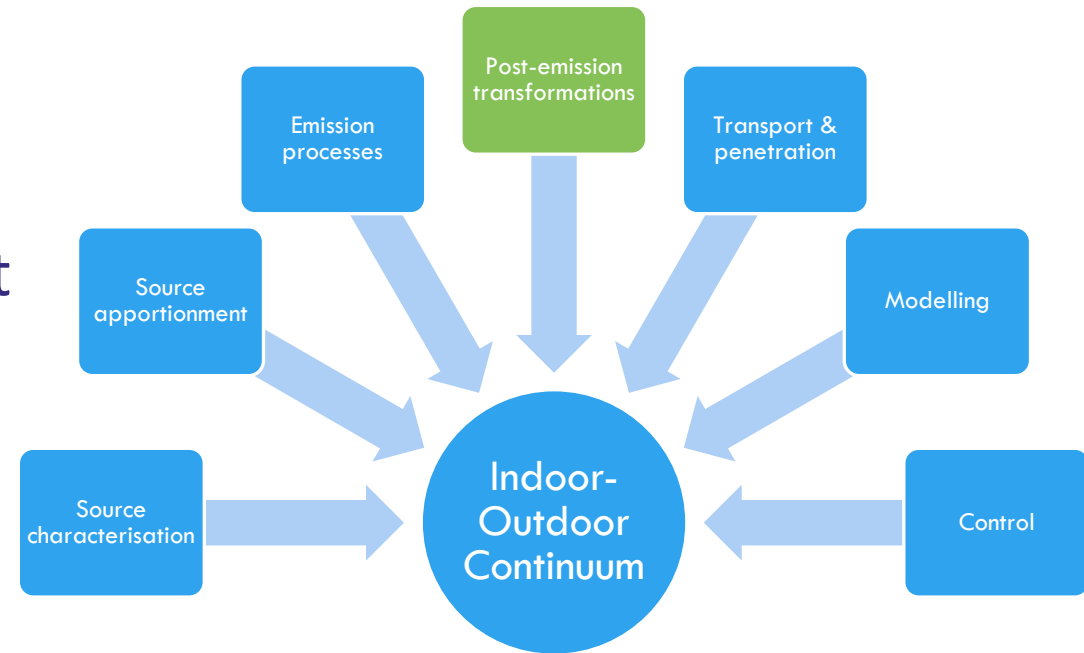
Emission processes

- Do we understand the drivers of elevated emissions both indoors and outdoors?
- How might climate change and the energy-efficient buildings of the future change emissions of BioPM?



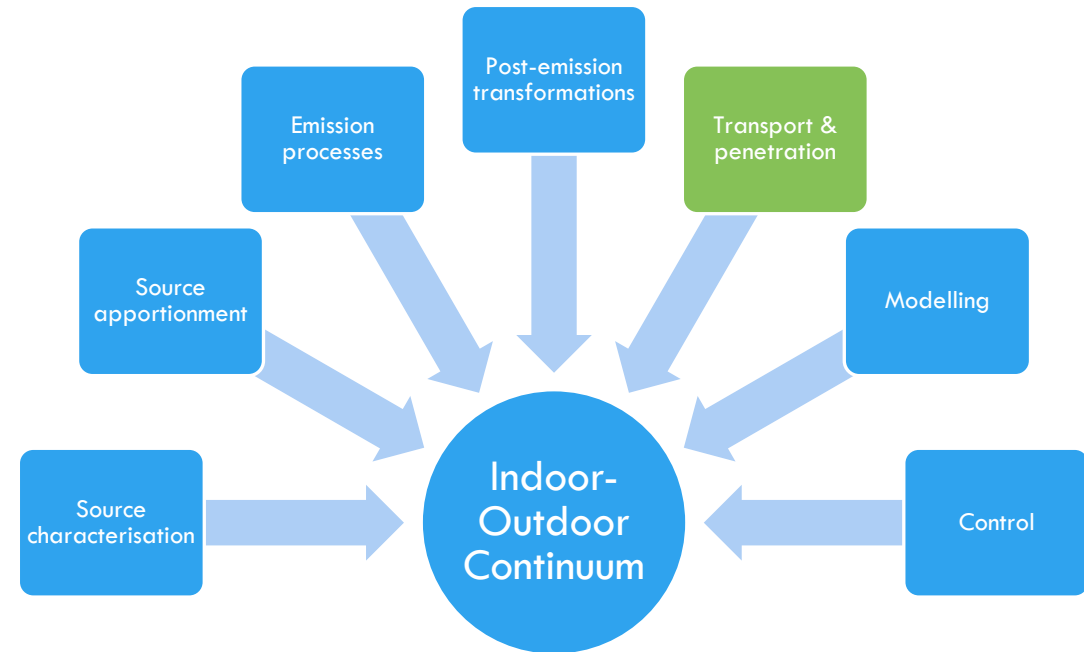
Post-emission transformations

- What is the current state of knowledge of processes such as evaporation, condensation, UV radiation, oxidation and their impact on viability and toxicity?
- And what about interaction with other particulate and gaseous pollutants?



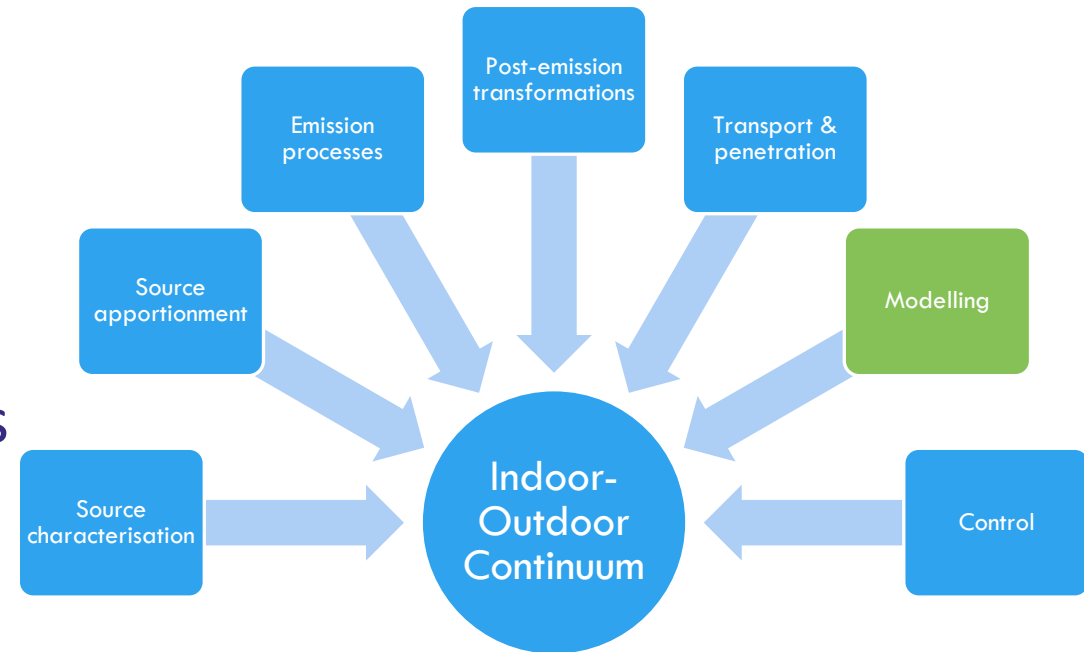
Transport & penetration

- Do we understand the processes that govern the exchange of BioPM between indoor and outdoor air?



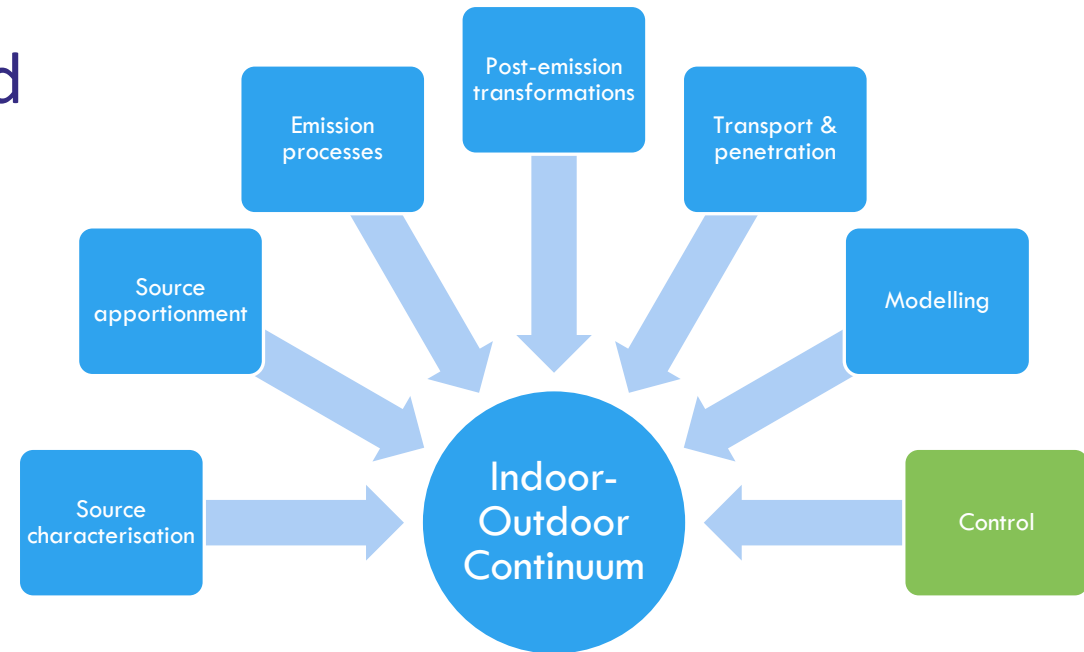
Modelling

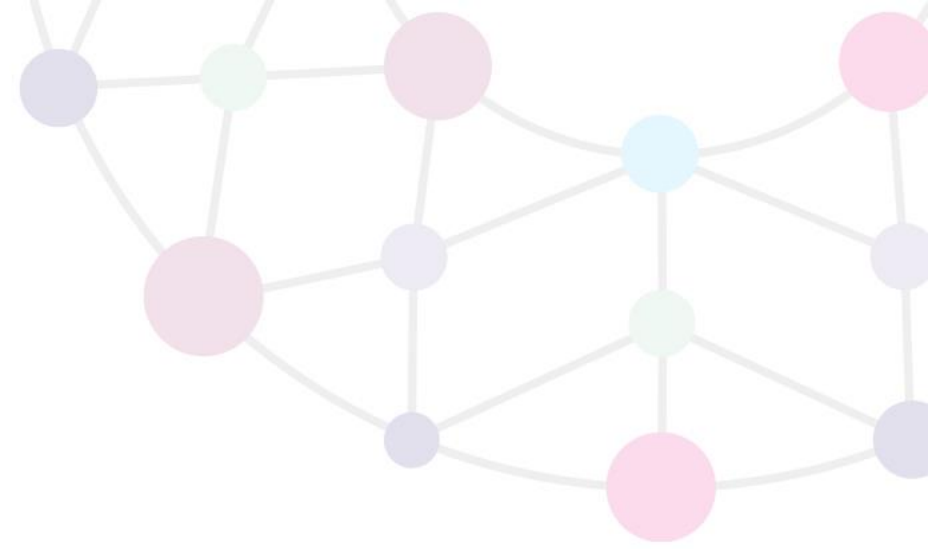
- Can we reduce uncertainties in emission and deposition flux estimates?
- Can we model post-emission transformation processes and assess their impact on viability and toxicity? Indoors and outdoors?



Control

- How confident are we at advising householders on best practice and effectiveness of different control measures (ventilation, direct sunlight, behaviours and materials, indoor air cleaners)?





Discussion #2

- Volunteers for future talks?
- Suggestions for speakers at future talks?
- Who are the stakeholders we should be inviting to future meetings?