



## SHAPEing Net Zero

2<sup>nd</sup> Sustainability Multidisiplinary Meetup

A British Academy Early Career Researcher Network event

**Tuesday 16th April 2024 University of West of England | Bristol** 



# Session 3: The community Co-design | Behaviour change | Digital future



### Lidia Badarnah & Jill Zhao

Placeholder



Presented by

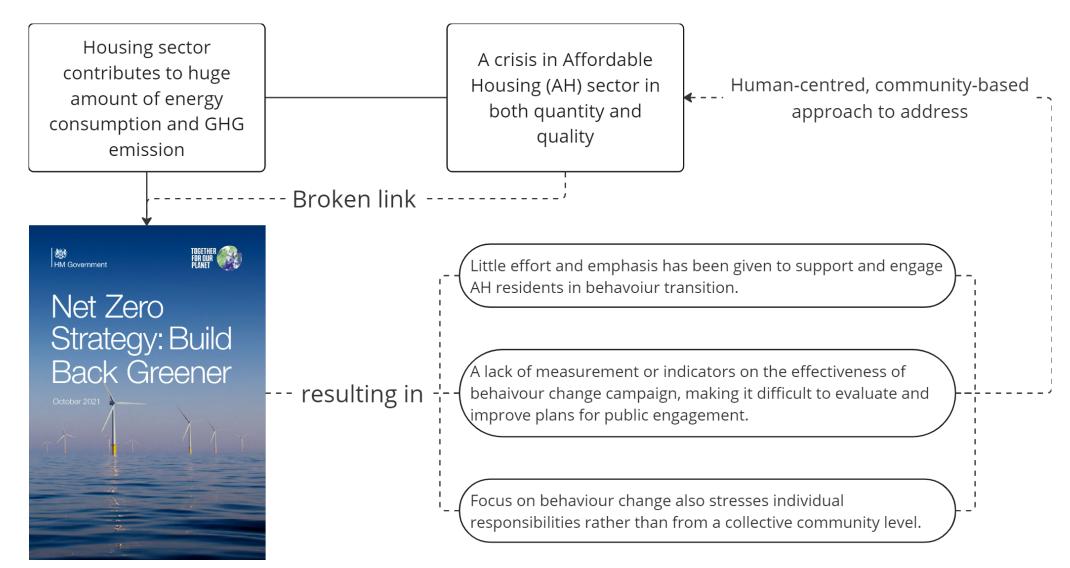
Jill Zhao, Senior Lecturer in Architecture

Lidia Badarnah, Senior Lecturer in Architecture

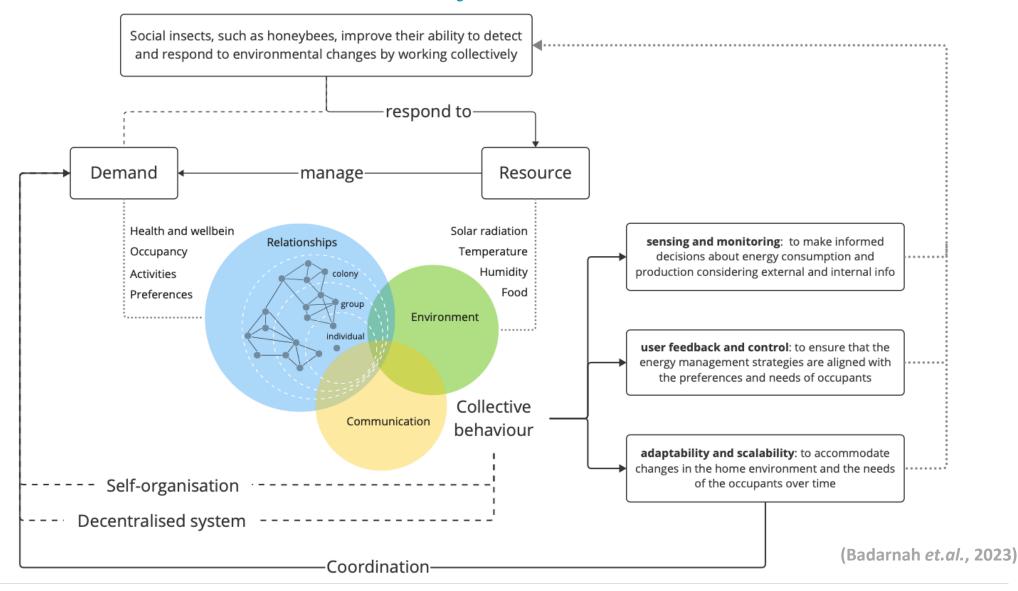
16/04/2024

Hive mind for Net Zero: towards a social engagement model for collective home energy behaviour change

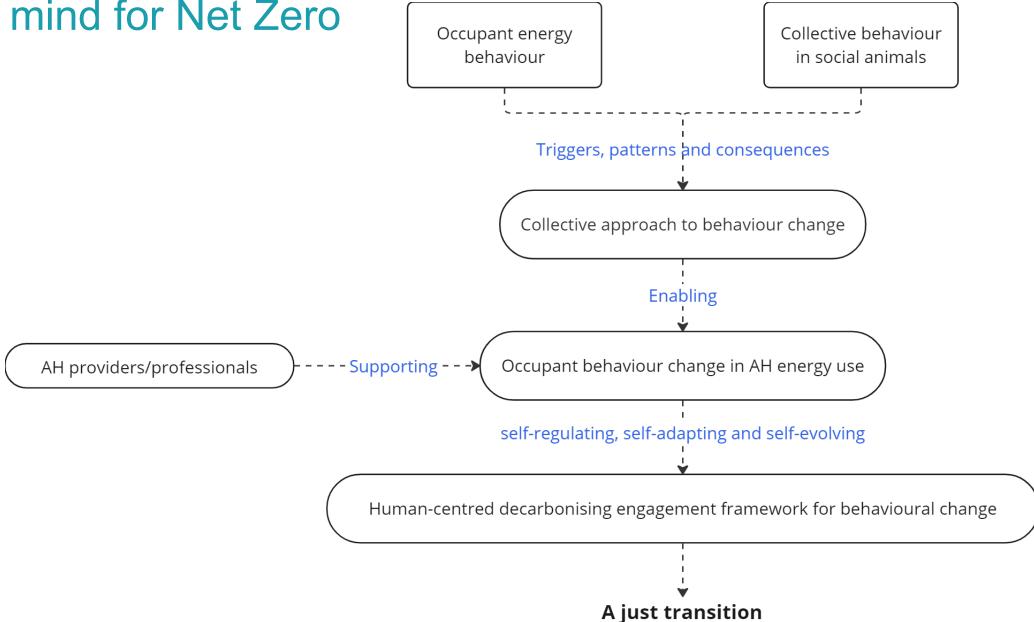
#### A human-centred Net Zero approach



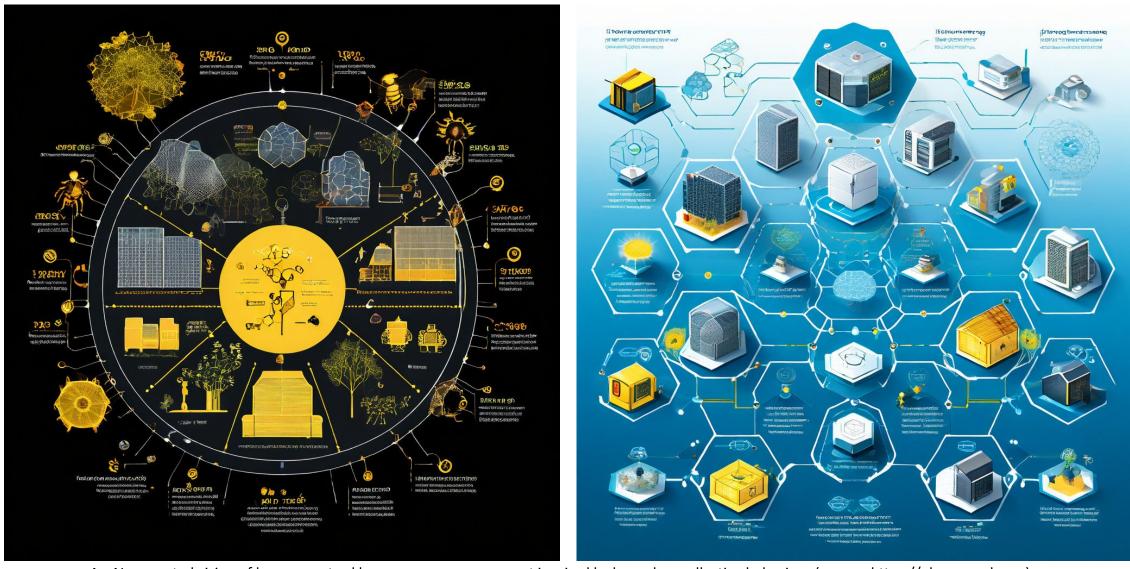
#### Collective behaviour in honeybees



#### Hive mind for Net Zero



#### Thank you!



An AI generated vision of human centred home energy management inspired by honeybee collective behaviour (source: https://playground.com)

**Zhao, J.** (2023), 'Implementing net zero affordable housing — towards a human-centred approach', Journal of the British Academy, 11(s4): 9–34. **Badarnah, L.**, Barakat, M., & Oliveira, S. (2023), 'Inspiration from animal's collective behavior for home energy demand management', *Journal of Physics: Conf. Ser.* **2600** 022013; IOP Publishing.

#### Get in touch

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