

Home Environment Solutions through Technology and Innovation for **All:** **HESTIA**

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HESTIA

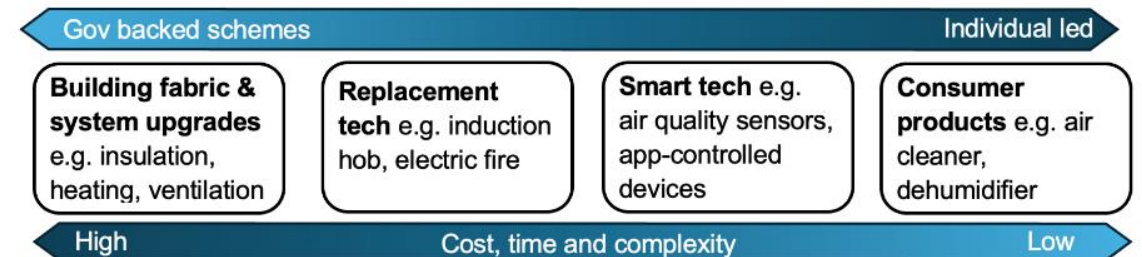
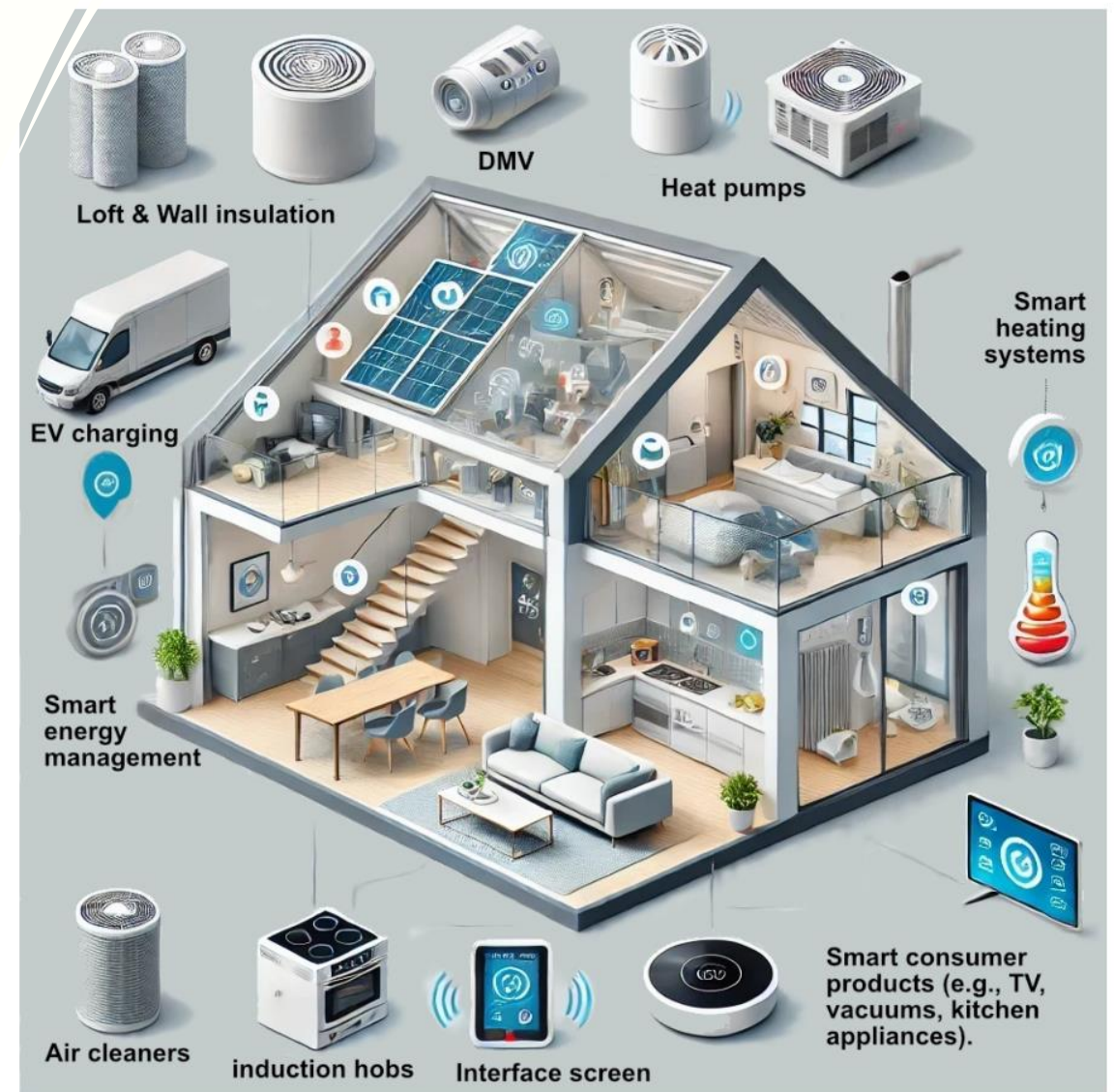
(Just) transitions?

- The UK housing stock is undergoing an unprecedented transformation to reduce carbon emissions
- The impacts of these changes on Indoor Environmental Quality (IEQ), physical and mental health and wellbeing, and equity are less well known



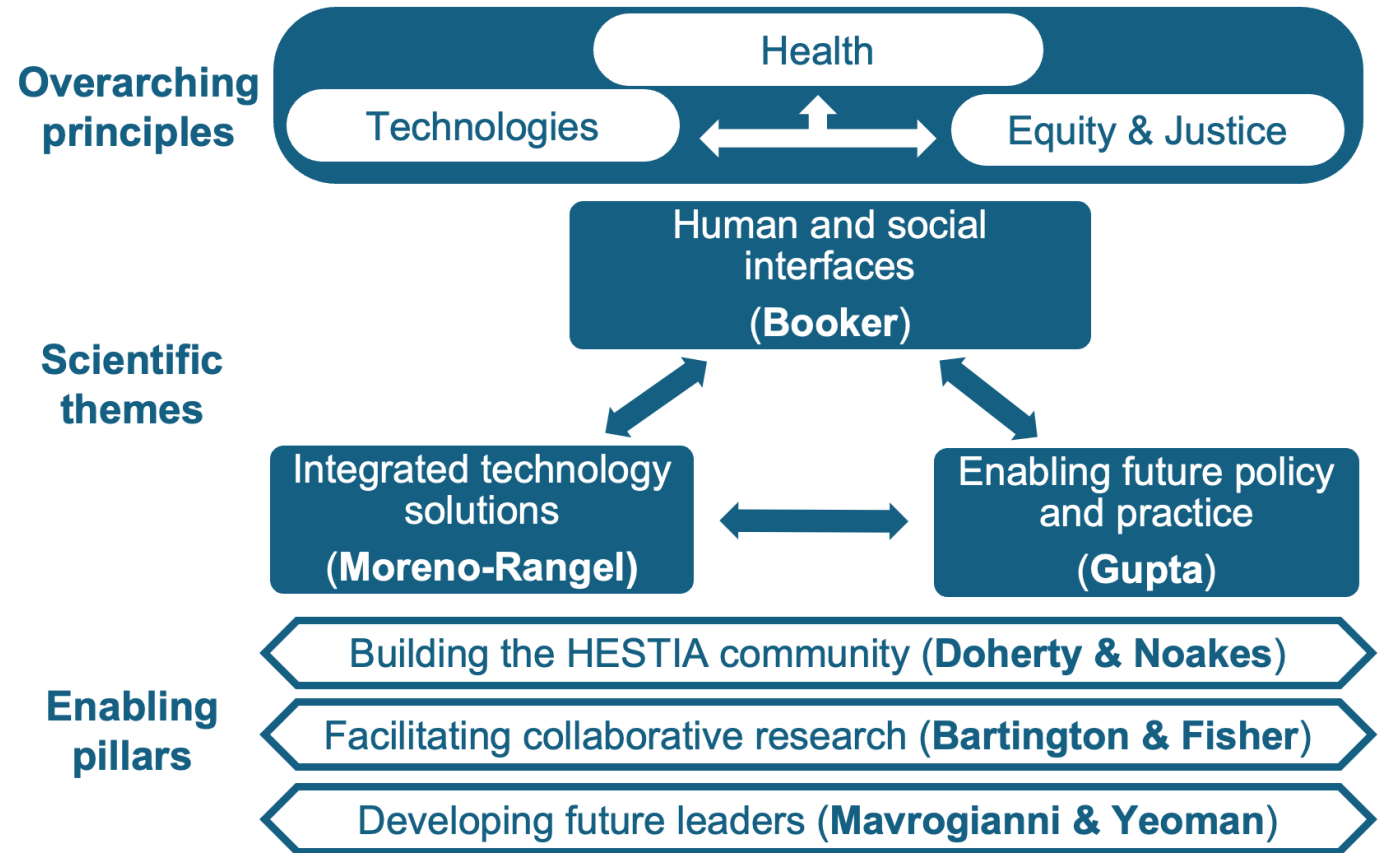
Integrated technologies

- Delivering low-carbon, healthy, and equitable homes through design and retrofit will need multiple different technologies
- Current efforts focus primarily on building fabric or system upgrades, yet there are significant opportunities through replacement technologies, smart devices, and consumer products



Our aims

- **HESTIA** will create a new health-equity-centred engineering approach to home design and retrofit, integrating existing and emerging building technologies to maximise human and environmental health co-benefits, and minimise health inequalities





Who we are working with

Project partners



Advisory Board



Dr Rebecca Rhead



Prof Tim Sharpe



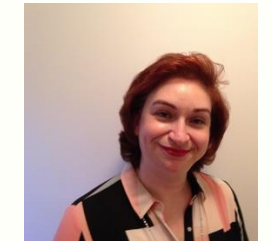
Fiona Reynolds



Emma Gibbons



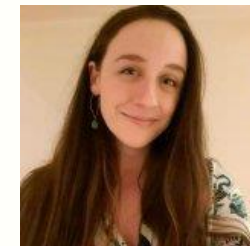
Jack Hulme



Prof Sani
Dimitroulopoulou



Prof Pawel
Misztal



Dr Olivia Swann



Prof Maria
Kolokotroni

Keep in touch!

- HESTIA launching November 2025
- Accelerating the creation of indoor home environments that meet Net Zero targets while promoting physical and mental health and wellbeing for all, considering the interface of technologies and social factors
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The HESTIA Team



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Dr Suzanne Bartington



Prof Ruth Doherty



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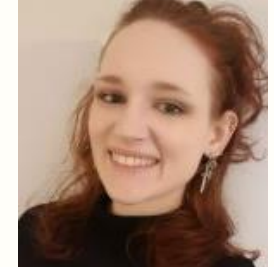
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