Home **E**nvironment **S**olutions through **T**echnology and **I**nnovation for **A**ll: **HESTIA**

Douglas Booker, Suzanne Bartington, Ruth Doherty, Helen Fisher, Rajat Gupta, Anna Mavrogianni, Alejandro Moreno-Rangel, Catherine Noakes, Amber Yeoman

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

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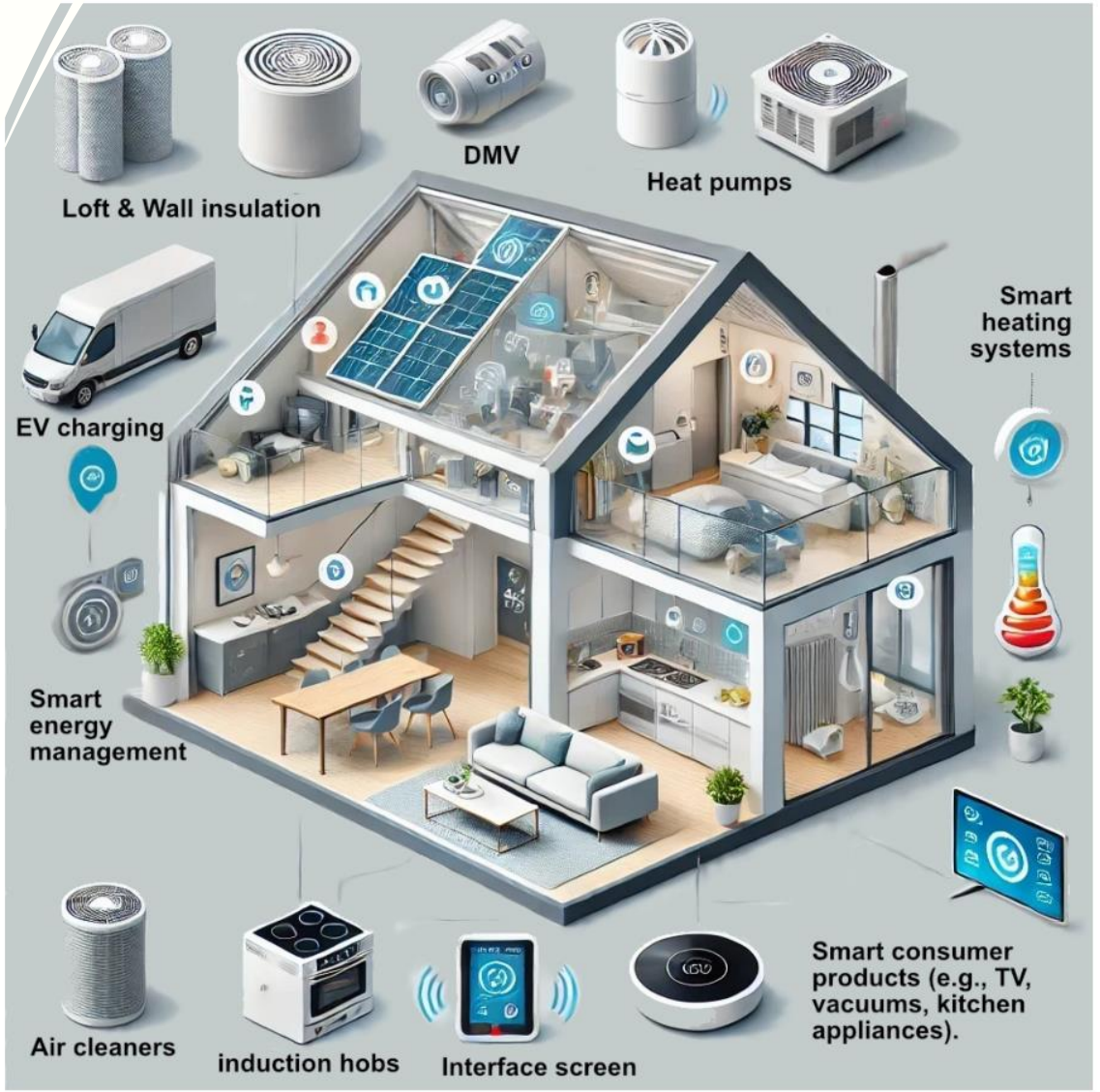
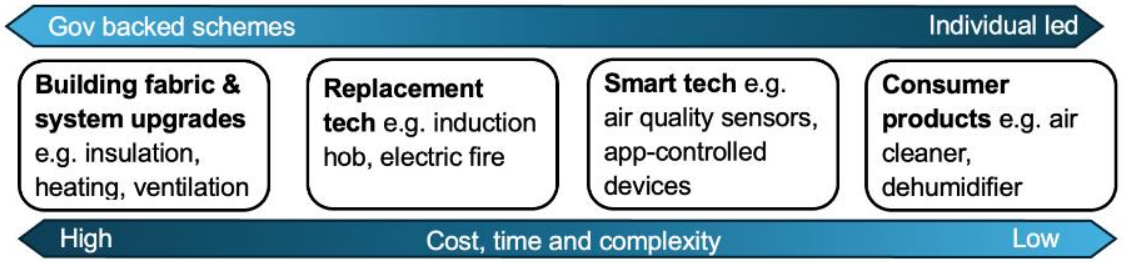
Integrated technologies

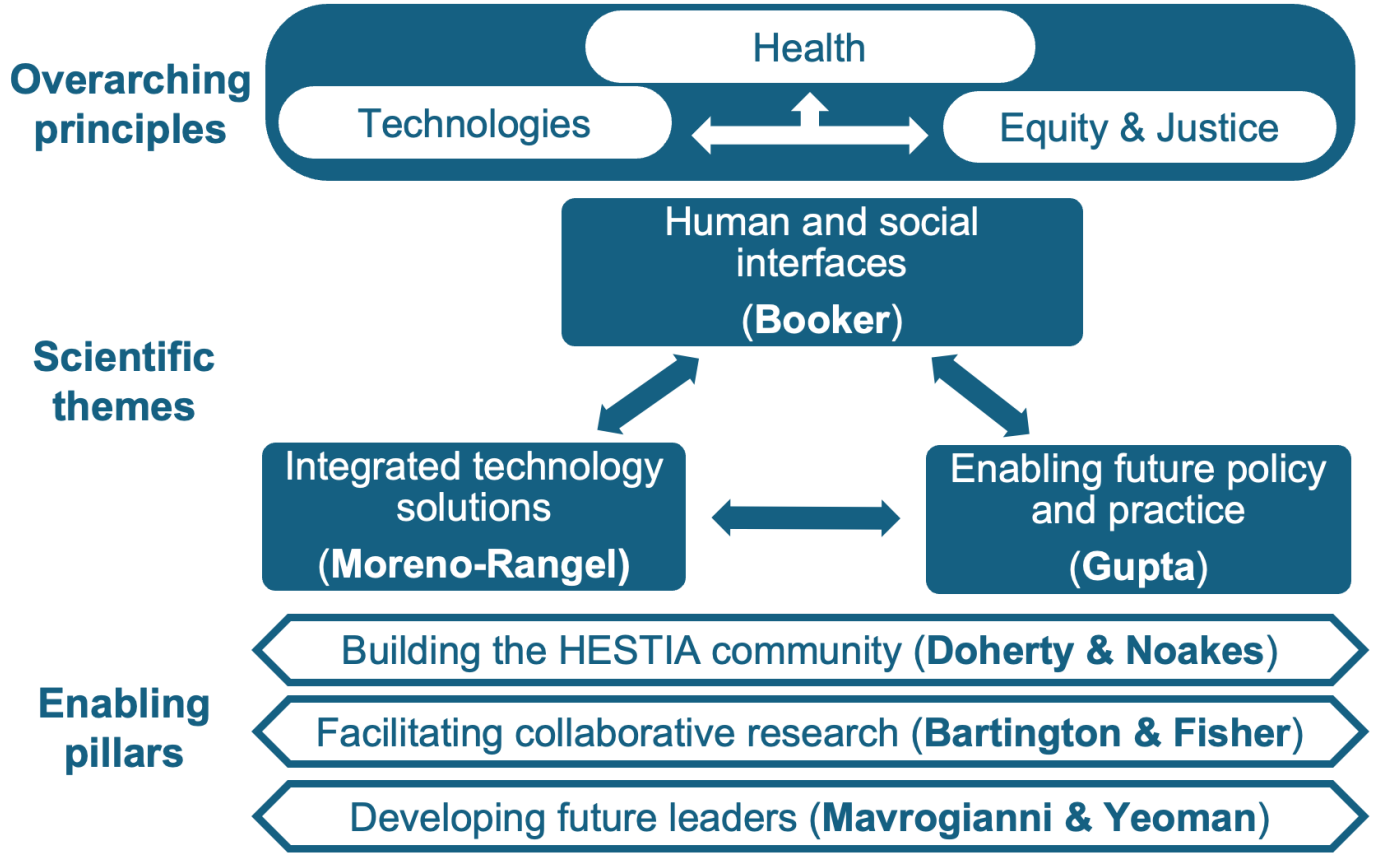
- Delivering low-carbon, healthy, and equitable homes through design and retrofit will need multiple different technologies
- Current efforts focus primarily on building fabric or system upgrades, yet there are significant opportunities through replacement technologies, smart devices, and consumer products





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



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Who we are working with

Project partners

Waltham Forest

EDINBVRGH THE CITY OF EDINBURGH COUNCIL

energy saving trust

Sustainable Development Foundation

Wheatley Group

bib We are family BORNINBRADFORD

ASBP The Alliance for Sustainable Building Products

BESA BUILDING ENGINEERING SERVICES ASSOCIATION

UK IEG Indoor Environments Group

CERC

Healthy Homes Hub

Advisory Board

Dr Rebecca Rhead

Prof Tim Sharpe

Emma Gibbons

Jack Hulme

Prof Sani Dimitroulopoulou

Prof Pawel Misztal

Dr Olivia Swann

Prof Maria Kolokotroni

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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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