UCL

MACC Hub All Team Meeting
20 January 2025, online

SPEED PRESENTATION

Accelerating Resilience
and Climate Adaptation
of Domestic Environments
for vulnerable populations
(ARCADE)

Image credits: walthamforest.gov.uk

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Overview

Aim

Support **decision-making** for maximising the climate change adaptation of UK **residential settings** occupied by **heat vulnerable people**, in particular **older individuals**, in the context of **Net Zero**.

Team

Focus

- Those affected but often excluded from the heat-health agenda
- Homes (in particular, social housing), care homes, extra-care homes, sheltered housing, and retirement villages
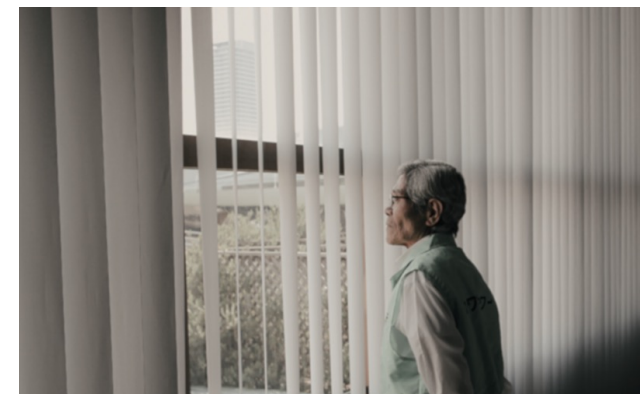- Heat exposures at the indoor-outdoor continuum, now and in the future

Image credits: Unsplash

Geographies and key stakeholders

Stakeholders

policy, national and local government,
public health practitioners and the construction industry

Project Partners

Department for Energy Security & Net Zero

Ministry of Housing, Communities & Local Government

Office for Health Improvement & Disparities

NHS

GREATER LONDON AUTHORITY

CIBSE

Good Homes Alliance

SHADE THE UK

S LAR-SHIELD exterior shading solutions
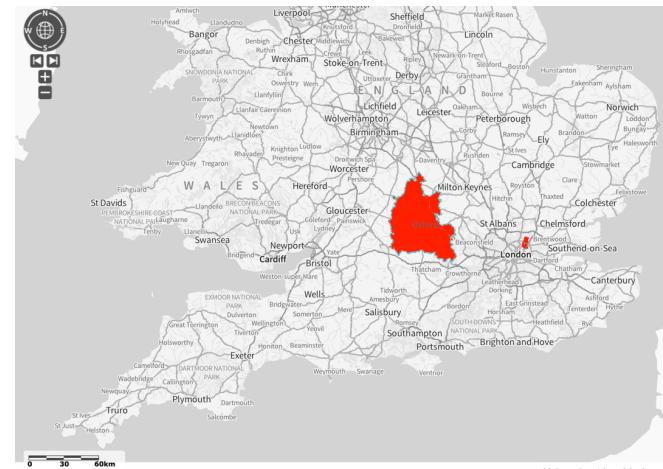
Shaded

Geographies

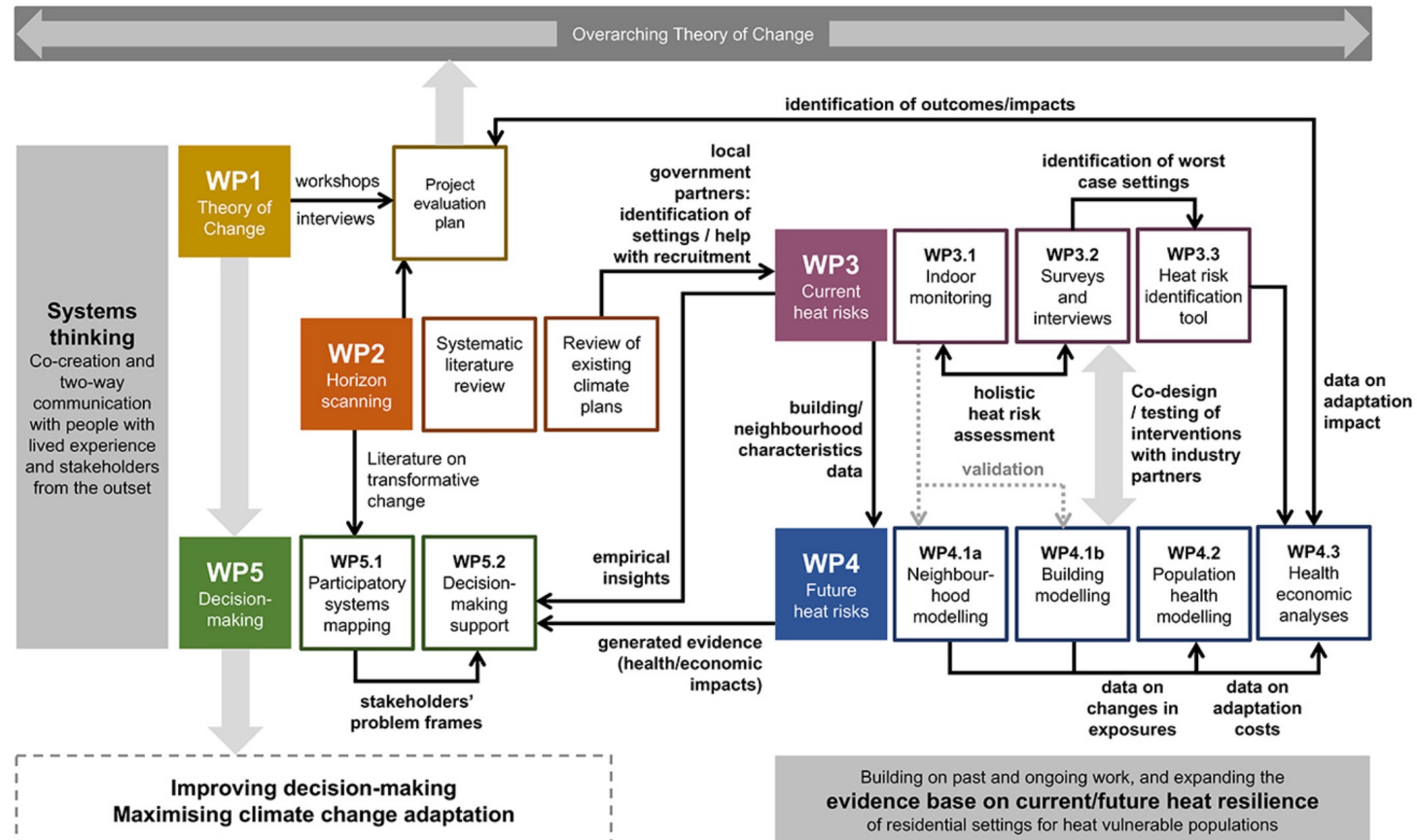Focusing on the **South East** (priority region for heat mitigation).

Recruitment will be facilitated by local government partners (**Waltham Forest, Oxfordshire**).

The sample will be stratified to represent **urban, suburban and rural locations** of differing heat exposure levels.
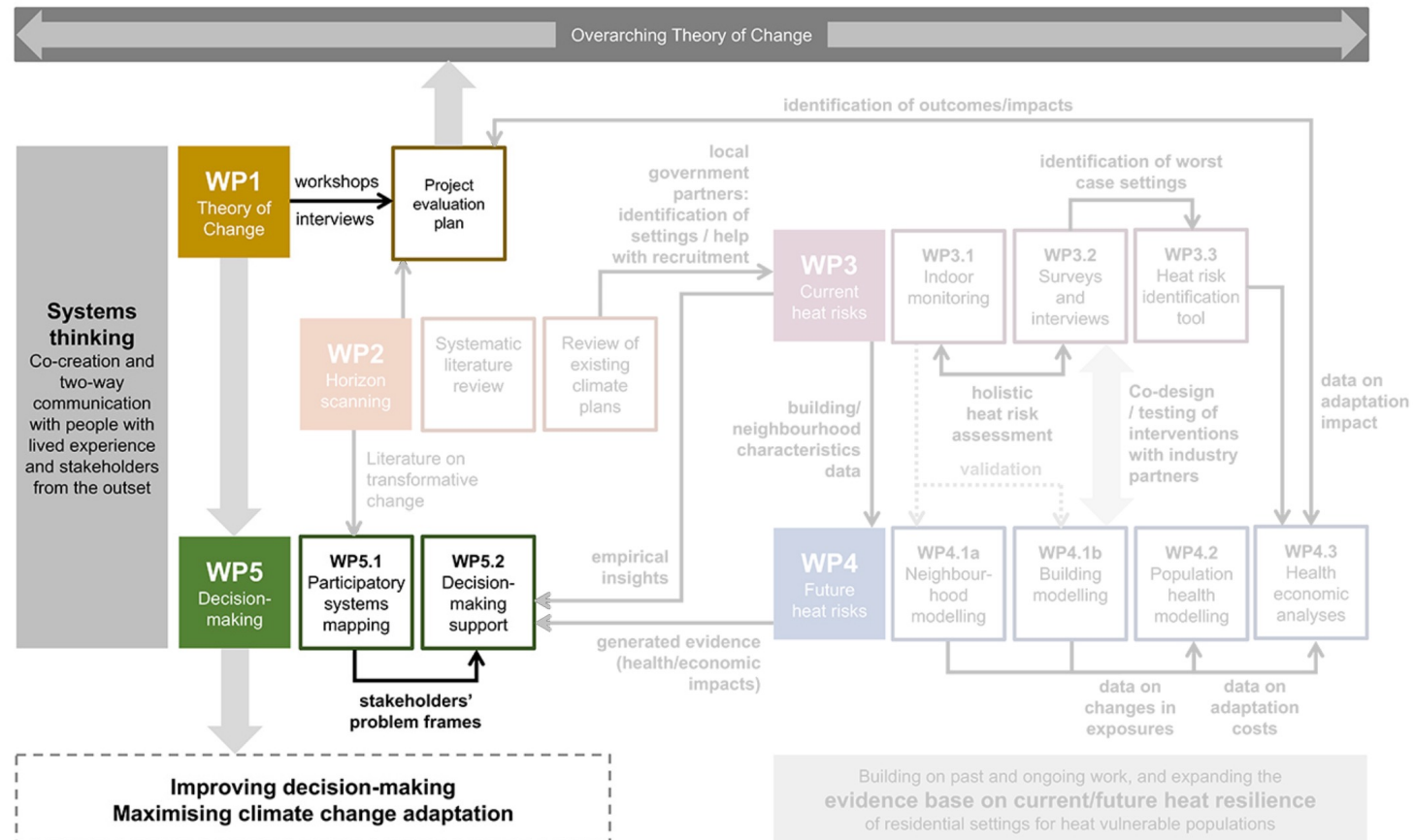
Image credits: ONS

ARCADE Project
MACC Hub All Team Meeting

Overview

Impact pathways

Drawing out and sharing learnings

Participatory systems mapping

- Workshops with stakeholders and decision-makers across policy, industry, vulnerable communities
- Identification of viable pathways to overcome implementation barriers of heat adaptation strategies
- Stakeholder input on barriers and facilitators for change to understand how they perceive and frame the system
- Co-creation of qualitative models of their system perceptions

Decision-making support

- Integration of recommendations on climate adaptation options into existing strategies
- Prioritisation of options including stakeholder-defined decision criteria
- Resulting shared system understanding to catalyse discussion around intervention options performance for said criteria
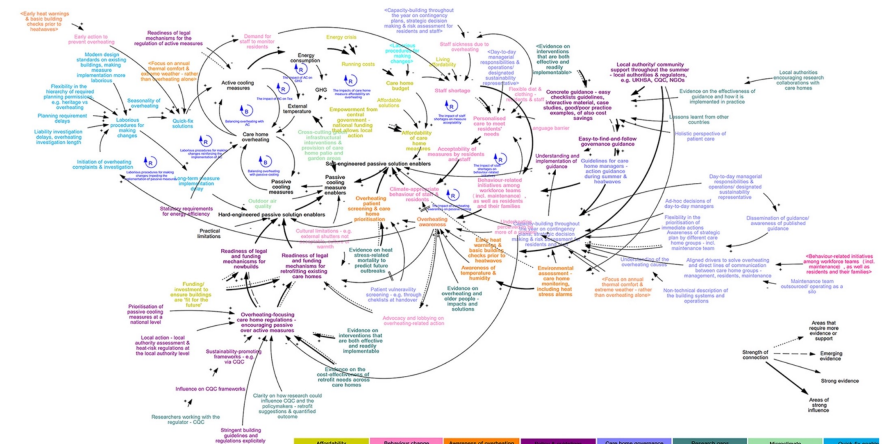

Image credits: NERC ClimaCare

Thank you!

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