

WP1: Behavioural Insights - Case studies

Thermal stores for future domestic heating and hot water systems

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Two projects

Aims

1. Thermal stores

- To understand the user requirements for future thermal stores for domestic heating and hot water systems.

2. Heat emitters

- To understand the user requirements for future low temperature heat emitters for domestic heating.
- To explore potential changes in behaviour that may result from the introduction of new low temperature systems.
- To ascertain the practicalities of retrofitting new low temperature systems into existing housing stock.

Thermal stores - context mapping and interviews

Two parts

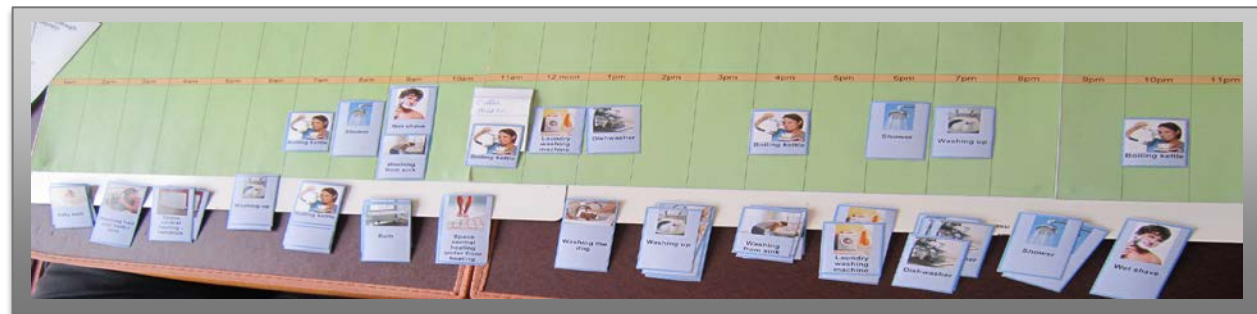
- **Part 1** - Current system use
- **Part 2** - Potential future use with a thermal store



Part 1 - Current use, behaviours and understanding

Part 1 interview explores...

- Participants current hot water system
- Current use of the system
- Planned use (heating times)
- Strategies of use (i.e. negotiation, awareness, decision making)
- How deal with unexpected events (What if...)
- Points of user satisfaction / dissatisfaction
- Practicalities of the system
- Any suggested improvements

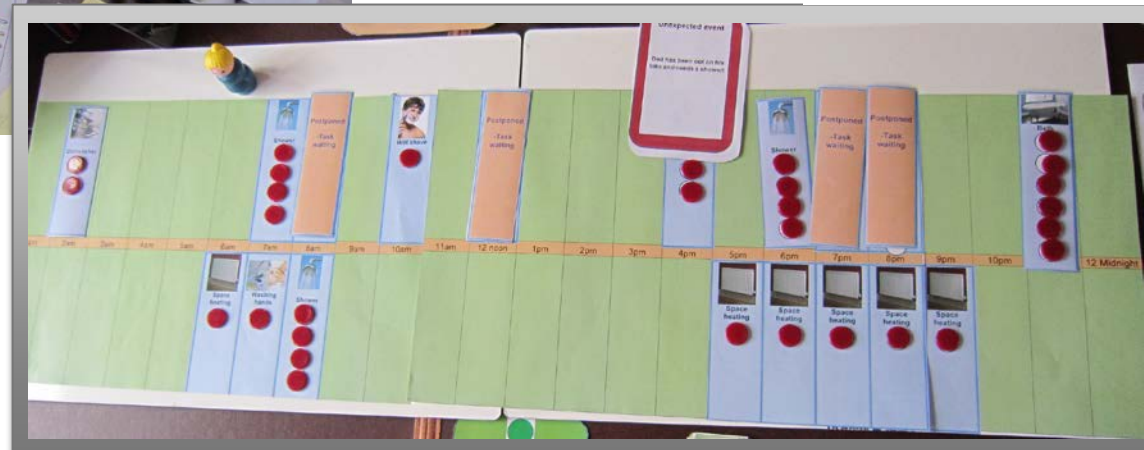
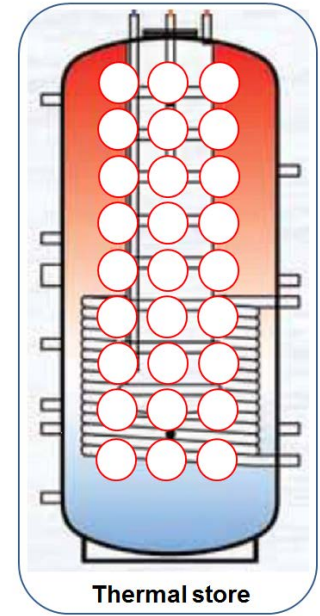


Part 2 - Future use, behaviours and requirements

Part 2 interviews

- To help visualise potential future systems (thermal stores) and future use scenarios
- To develop future requirements for thermal stores and associated appliances

Part 2 - Future use, behaviours and requirements



Methods	Progress	Next steps
Online questionnaire	<ul style="list-style-type: none"> • N= 290 • Analysis of results complete. • Draft report produced. 	<ul style="list-style-type: none"> • Plan to redistribute second version to; increase sample size, gain more representative sample and to focus data collection based on results from first distribution and HW interviews. • Awaiting analysis of interviews.
Thermal stores (HW) Context mapping and interviews	<ul style="list-style-type: none"> • 30 interviews completed (combi, conventional and PV) 	<ul style="list-style-type: none"> • Thematic analysis of the qualitative data using Nvivo – ongoing.
Heat emitters - Interviews and Walk through in the home	<ul style="list-style-type: none"> • Methods developed 	<ul style="list-style-type: none"> • Data collection in heating season 2016-17

Thank you

Any questions?

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