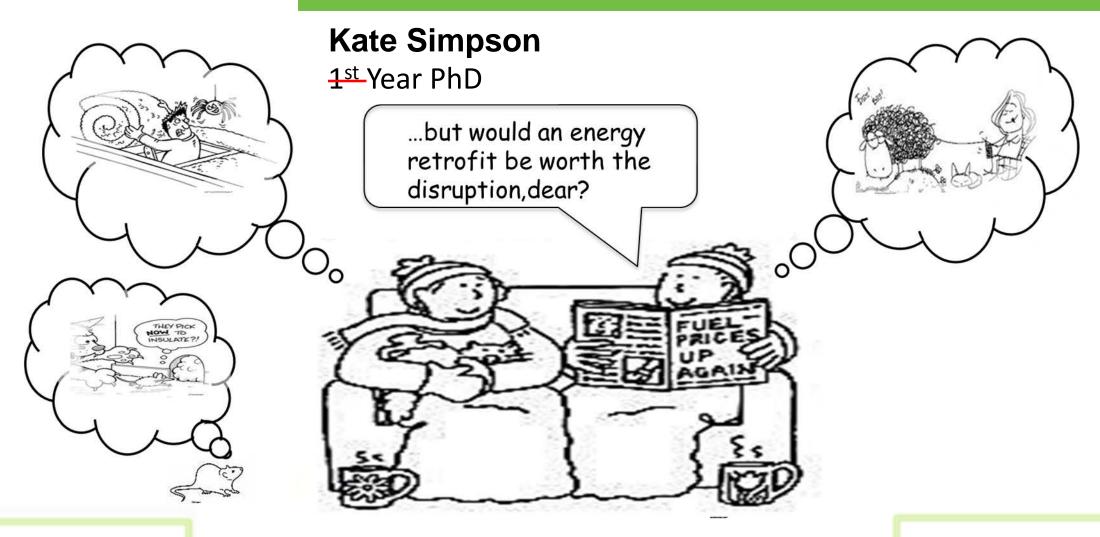
London-Loughborough Centre for doctoral research in energy demand

## SUMMER EVENT 2012

The occupant journey through UK housing retrofit - expectations, experiences and outcome.



#### **INTRODUCTION**

Aims to capture the occupant's experiences of energy efficiency retrofit from start to finish and beyond.

# Possible challenges:

- Communication.
- Occupant disruption.
- Usability.
- Stress.
- Health and safety.
- Conflict resolution.
- Time planning.
- Unexpected cost.



#### **METHOD OUTLINE**

#### **Case studies:**

- Dwellings due for wall insulation and heat source upgrades.
- Visit pre, during and post retrofit.

#### **Qualitative:**

- Semi-structured occupant interviews.
- Observation of retrofit work.
- Occupant diaries (visual and written).

# **Quantitative:**

- Surveys.
- SAP assessment.
- Measured floor-plans.
- Energy consumption.
- Temperature.
- Relative humidity.
- Indoor CO<sub>2</sub> concentrations.

Supervised by Victoria Haines and David Allinson

# POTENTIAL STAKEHOLDER ENGAGEMENT

## **During PhD**

- CASE STUDY PROVISION.
- Possible Internship.
- Information transfer.
- Meeting participation.
- Community workshop groups.
- Hassle free!

# **Following PhD**

- Available research findings.
- Developed trust.







