



# Beyond Fabric: Incorporating heating practices into domestic energy modelling

**WHAT?**  
 Exploring how domestic heating practices can be incorporated into building models  
 Developing ways to identify best energy efficiency options for households

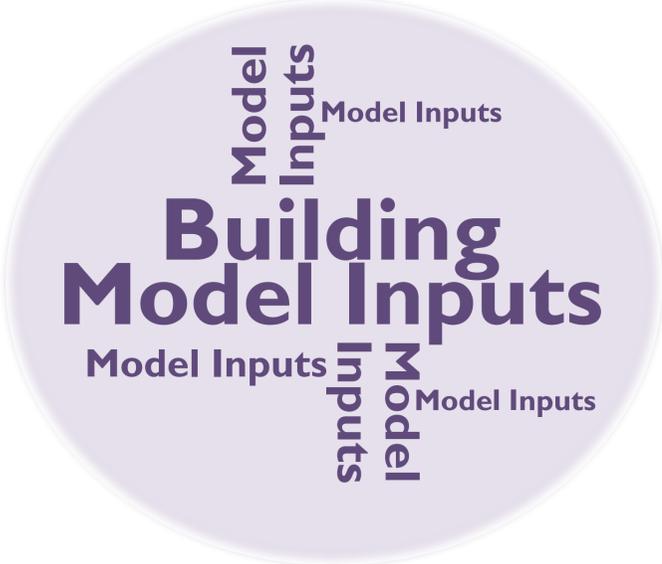
**WHY?**  
 Building modelling being used for greater variety of applications  
 These need to better incorporate recognition that people perform practices

**HOW?**  
 1) Identifying viable options for energy efficiency measures for households  
 2) Identifying how practices can be translated into building model

**STEP 1** Identify energy efficiency measures which would align with a given person/household's set of practices

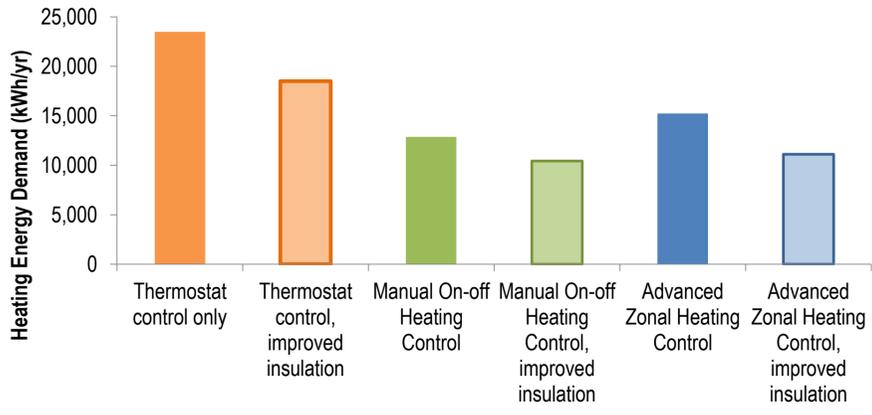
Practices	Materials	Skills	Meanings
(Method of heating control) (Choice of internal temperature) (Time for which home heated)	Level of insulation Type of heating controls Thermostat with display	Using heating controls Co-ordinating professional work	Saving energy – money/CO <sub>2</sub> Optimising thermal comfort

**STEP 2** Link up practices and building model inputs

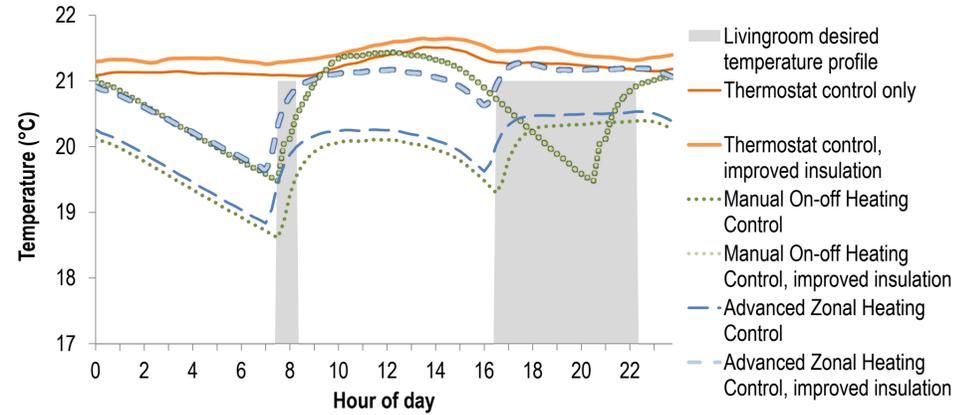


**STEP 3** Compare how different energy efficiency measures / practices perform : Types of Results Analysis

**Change in energy consumption**



**Delivered Temperature Profiles**



**Further work**  
 Possibilities for scaling up – beyond single houses to regions  
 Developing model capabilities to include these aspects of practices  
 Simplification of approach for potential to feed into wider modelling work