Proposal

Content

Introduction

01

Energy

02

Machine Learning

03

Agent-Based Modeling

Literature **Review**

Hot Water
4%

Thermostat
2%

Blinds
4%

Heating
13%

Plug Load &
Electricity
31%

Presence
13%

Window Opening
18%

Fan & HVAC
15%

Using ML For Prediction

Developing ABM

Adapting User Behaviour in Simulation
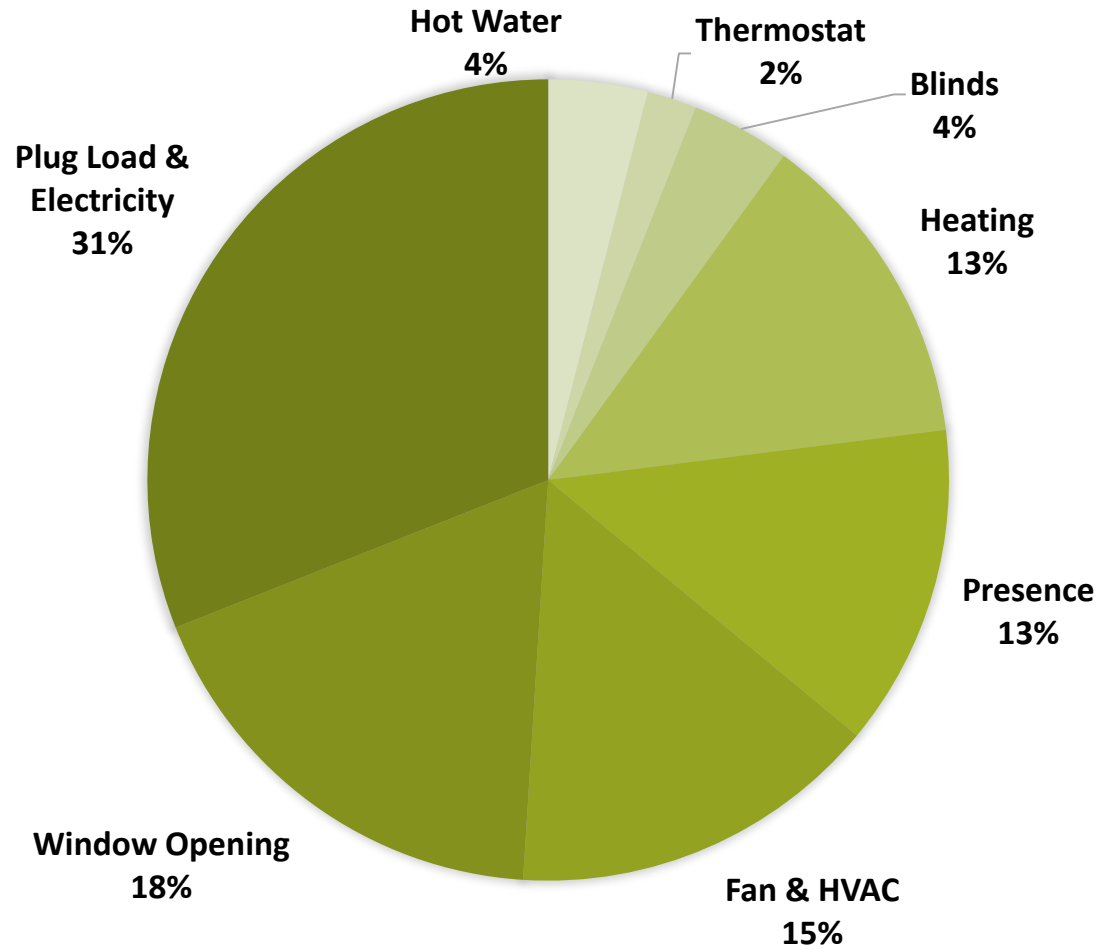
Known Problems and Limitations

01 Fewer studies focus on the impact of occupant behavior in ML models

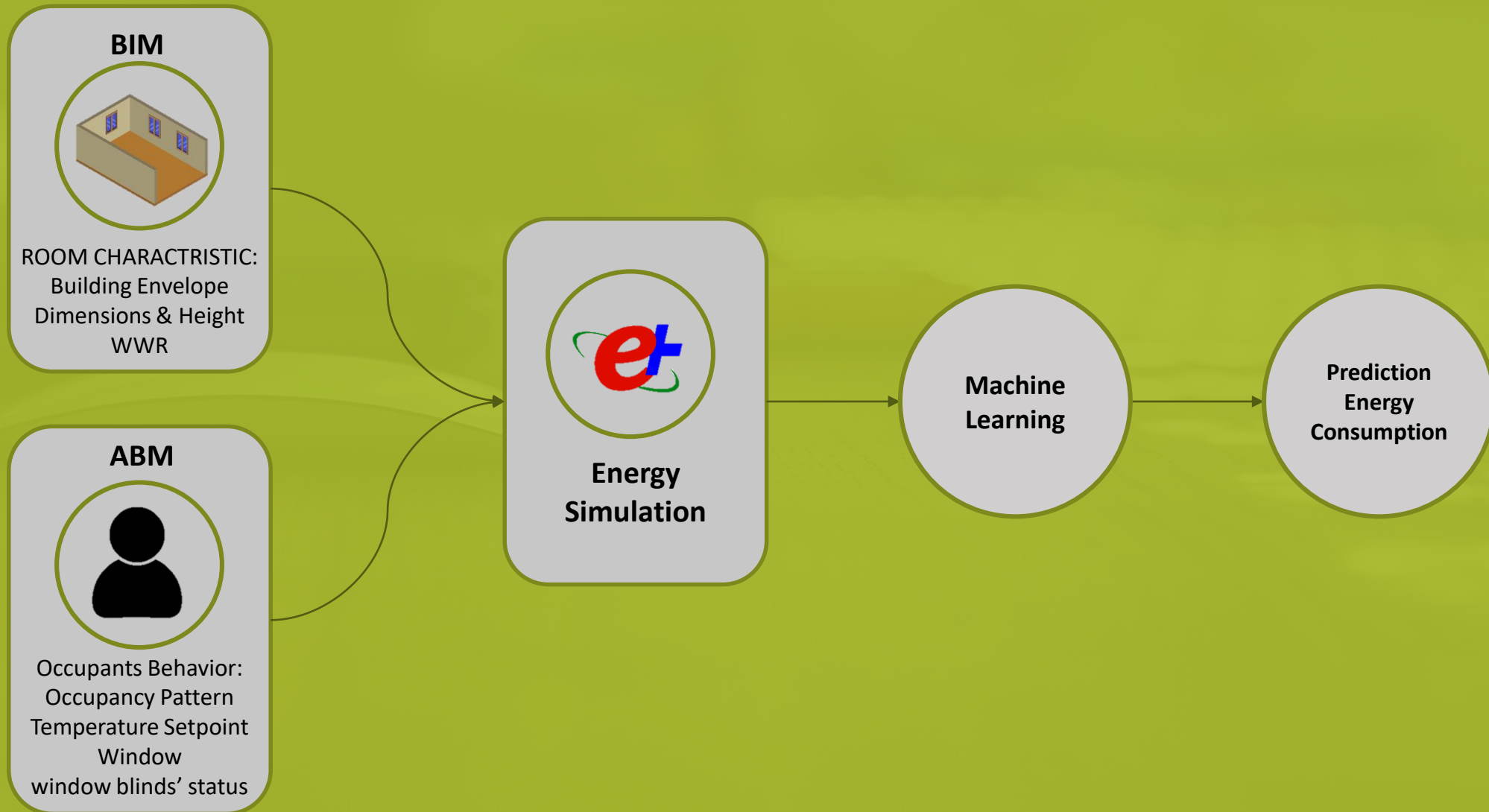**04** BIM Integration with the Existing Occupant Behavior Modeling

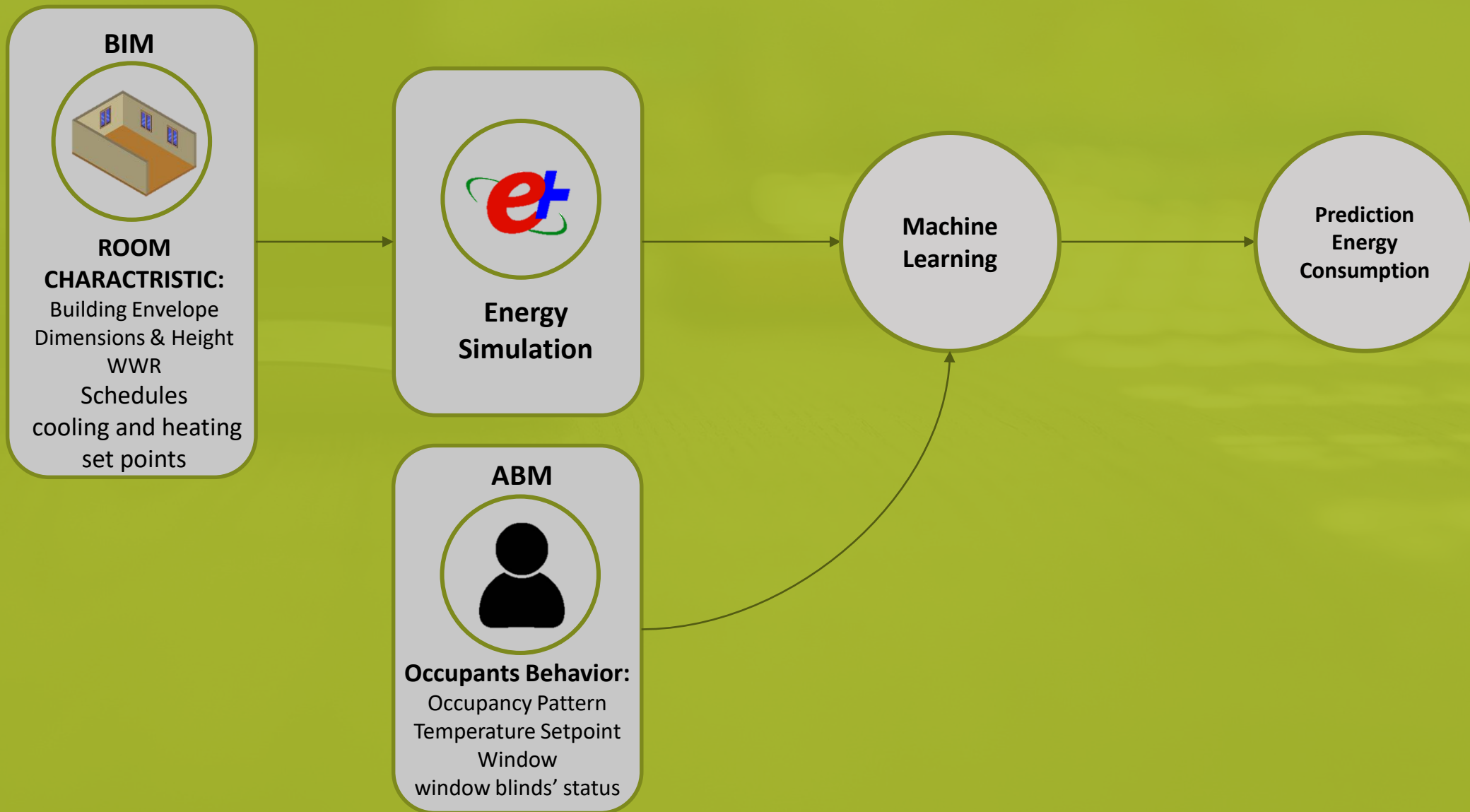**02** Occupant Behavior models are limited

03 Occupant Behavior models are limited

Methodology

Methodology

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