

ENERGY  
CULTURES,  
OTAGO HOME  
UPGRADE  
PROGRAMME

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# PROGRAMME OVERVIEW

## Otago Home Upgrade Programme

- 288 whānau
- Pilot to be complete by December 2023

### Eligibility:

1. Otago Resident
2. Owner Occupier
3. Community Services Card or evidence of low income

## What it involves

1. Warmer Kiwi Homes
2. Critical Repairs
3. Additional Elements



**Process**

Improving the way it works

**Doing it better next time**

**Impact**

Did it make a difference and to what?

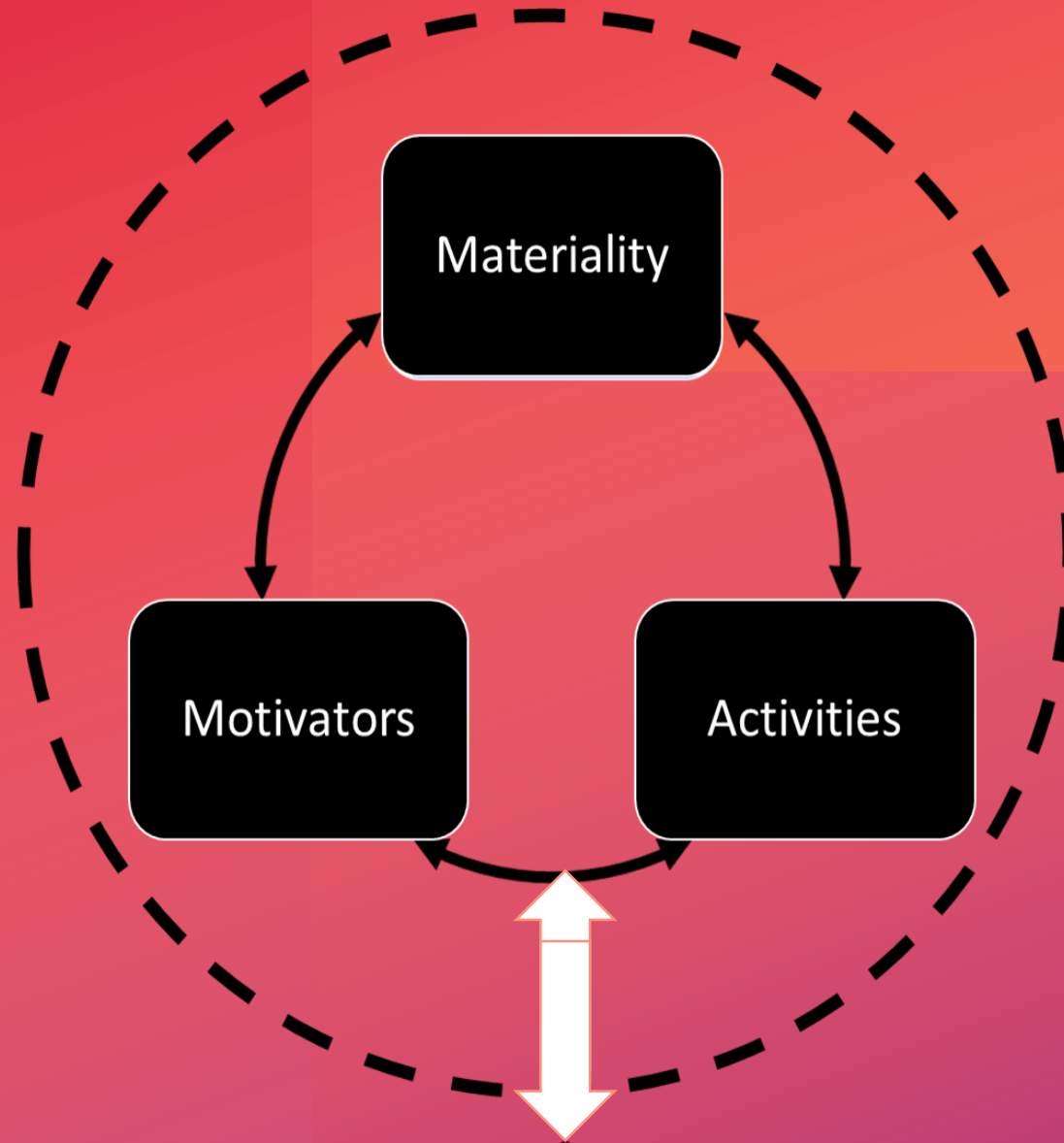
**What can we hope to change next time and by how much?**

**Value**

Impact (in relation to cost)

**Is it worth doing again?**

External influences  
supporting cultural  
stasis



External influence  
supporting cultural  
change

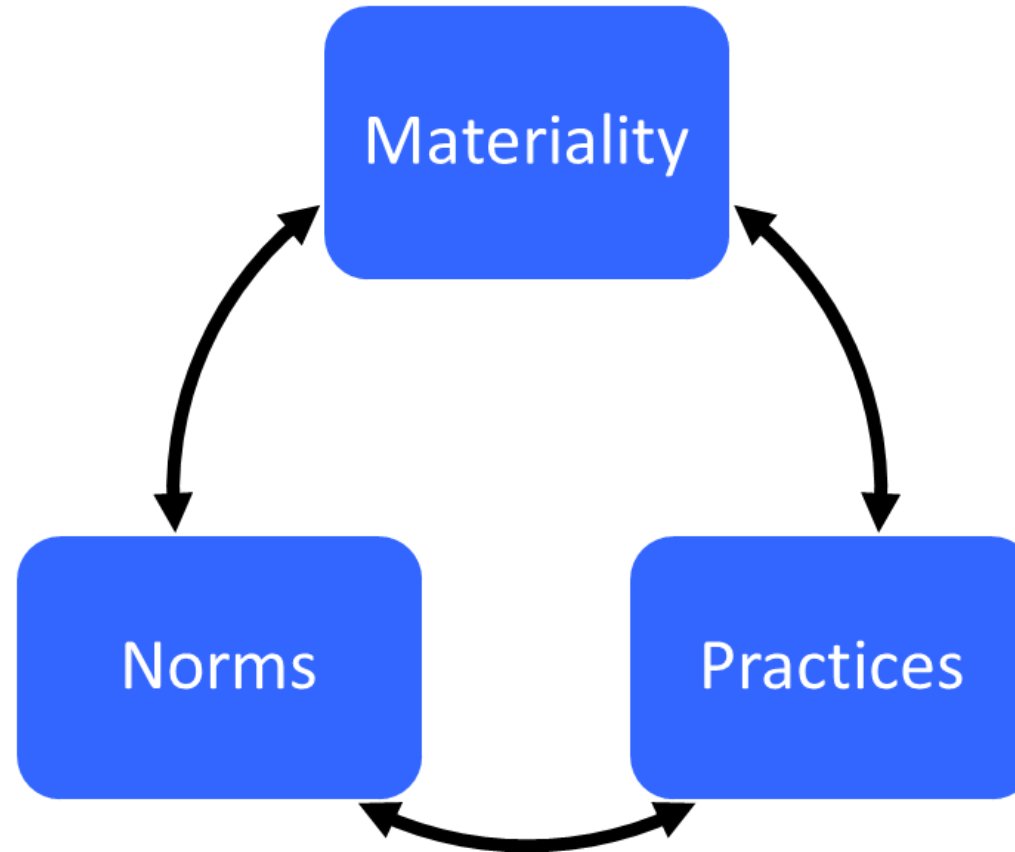
Outcomes

***What people (will) have:***

1. **WKH** (insulation, clean heat, moisture barrier)
2. **Repairs** (leaks, rot, broken windows, gutters)
3. **Improvements (Mechanical Extraction, thermal curtains, fire alarms, LEDs, gutters, low flow shower head, cylinder wrap)**

***What people think:***

1. Expectations
2. Knowledge
3. Understanding



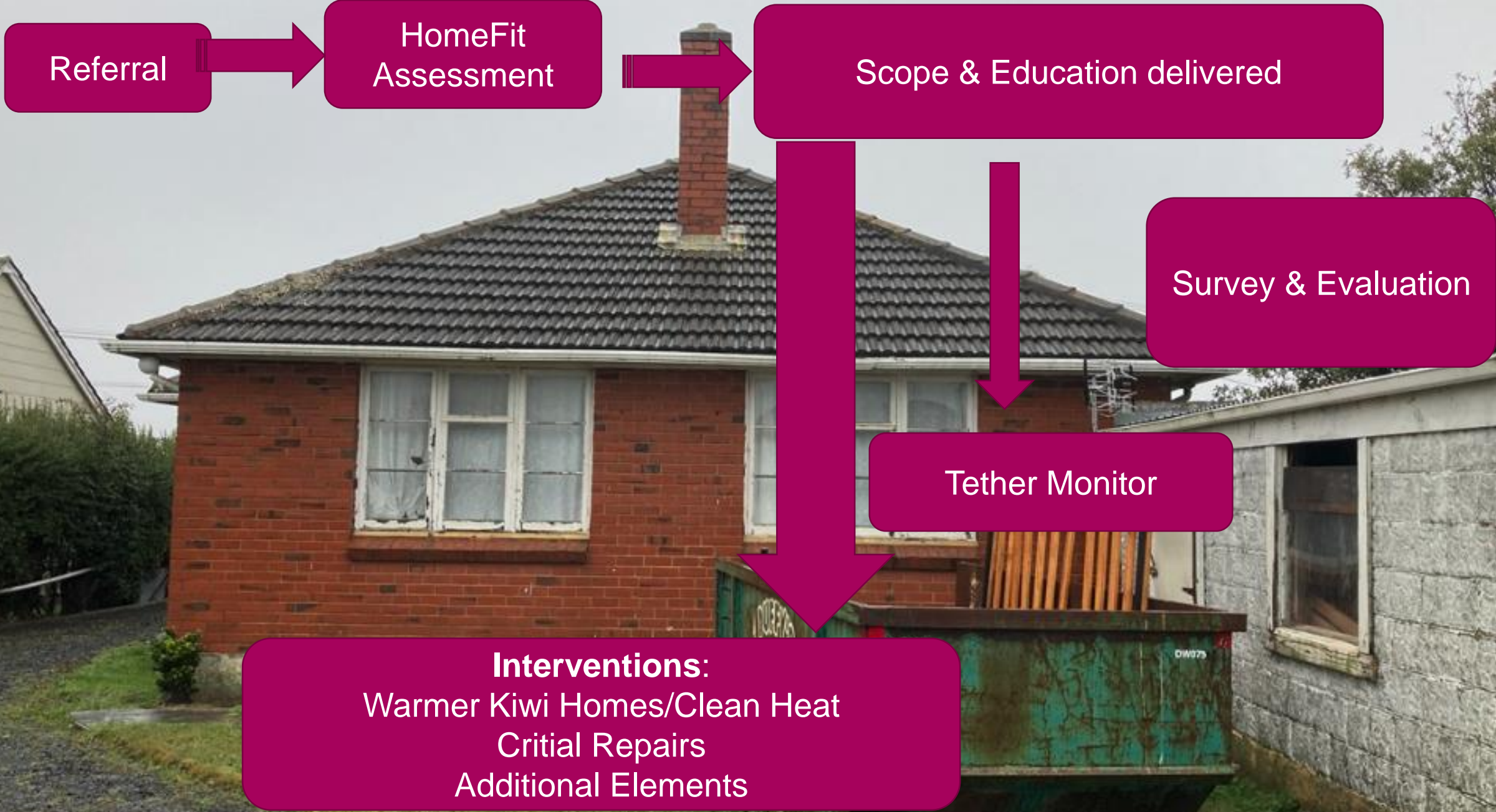
***What people do/don't do***

1. Ventilation practices (blast ventilation/mechanical extraction/positive pressure?);
2. Moisture (drying clothes inside, storing wet wood inside);
3. Adequate Heating;
4. Household maintenance



**Milton is a focus area and we are discovering distressing conditions and hardship.**

- In-between zone, high deprivation
- Some extreme problems beyond budget – additional complexity



Referral

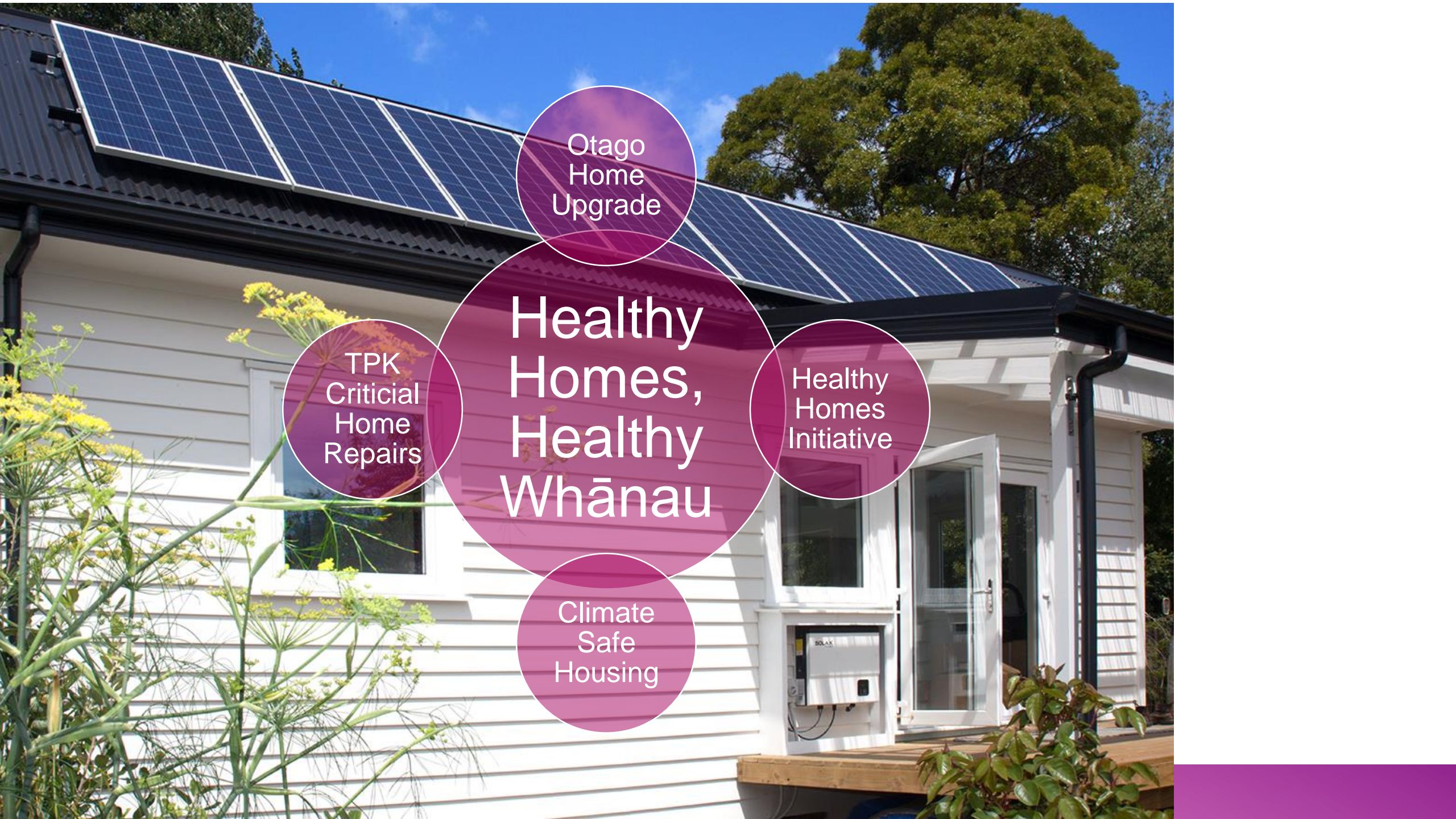
HomeFit  
Assessment

Scope & Education delivered

Survey & Evaluation

Tether Monitor

**Interventions:**  
Warmer Kiwi Homes/Clean Heat  
Critical Repairs  
Additional Elements



Otago  
Home  
Upgrade

TPK  
Critical  
Home  
Repairs

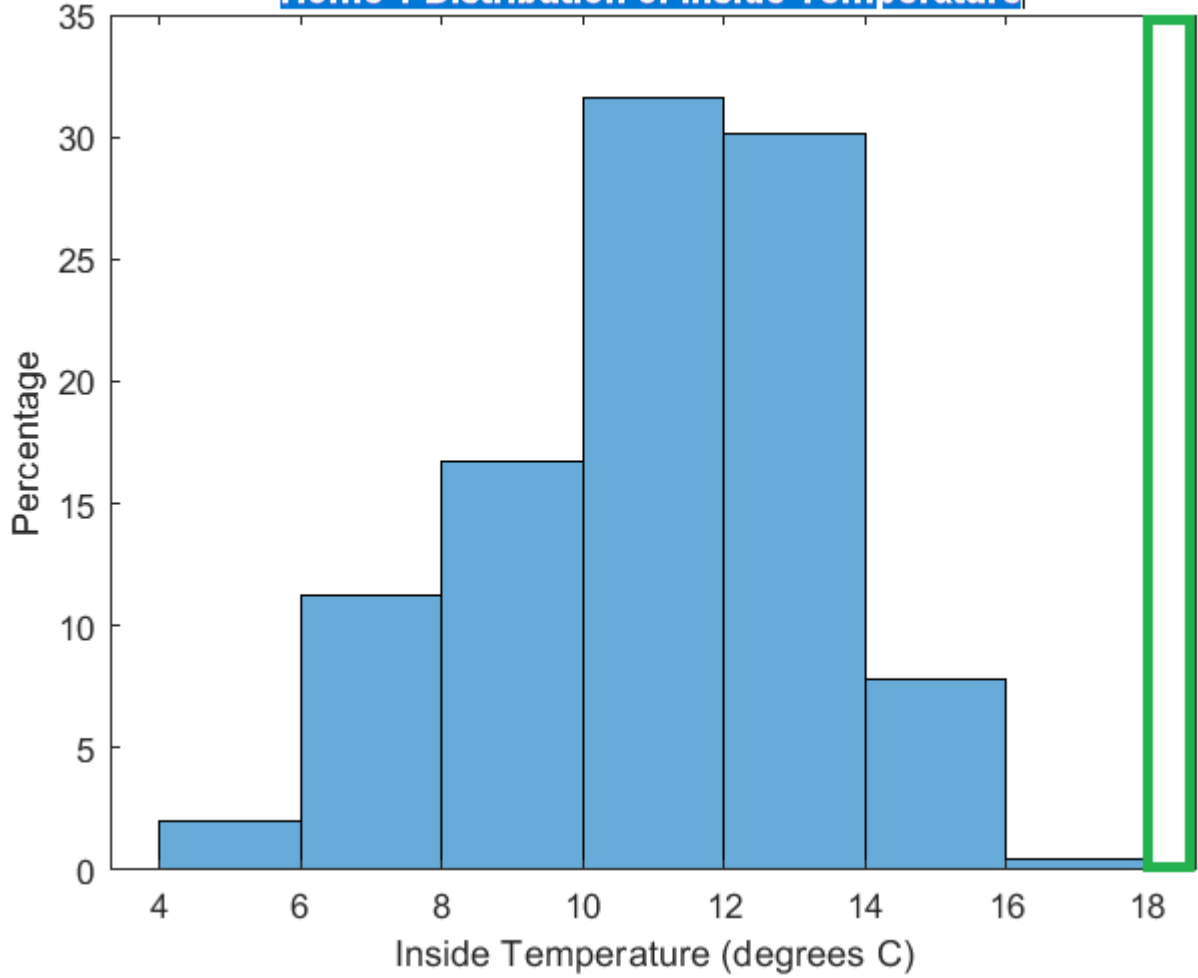
Healthy  
Homes,  
Healthy  
Whānau

Healthy  
Homes  
Initiative

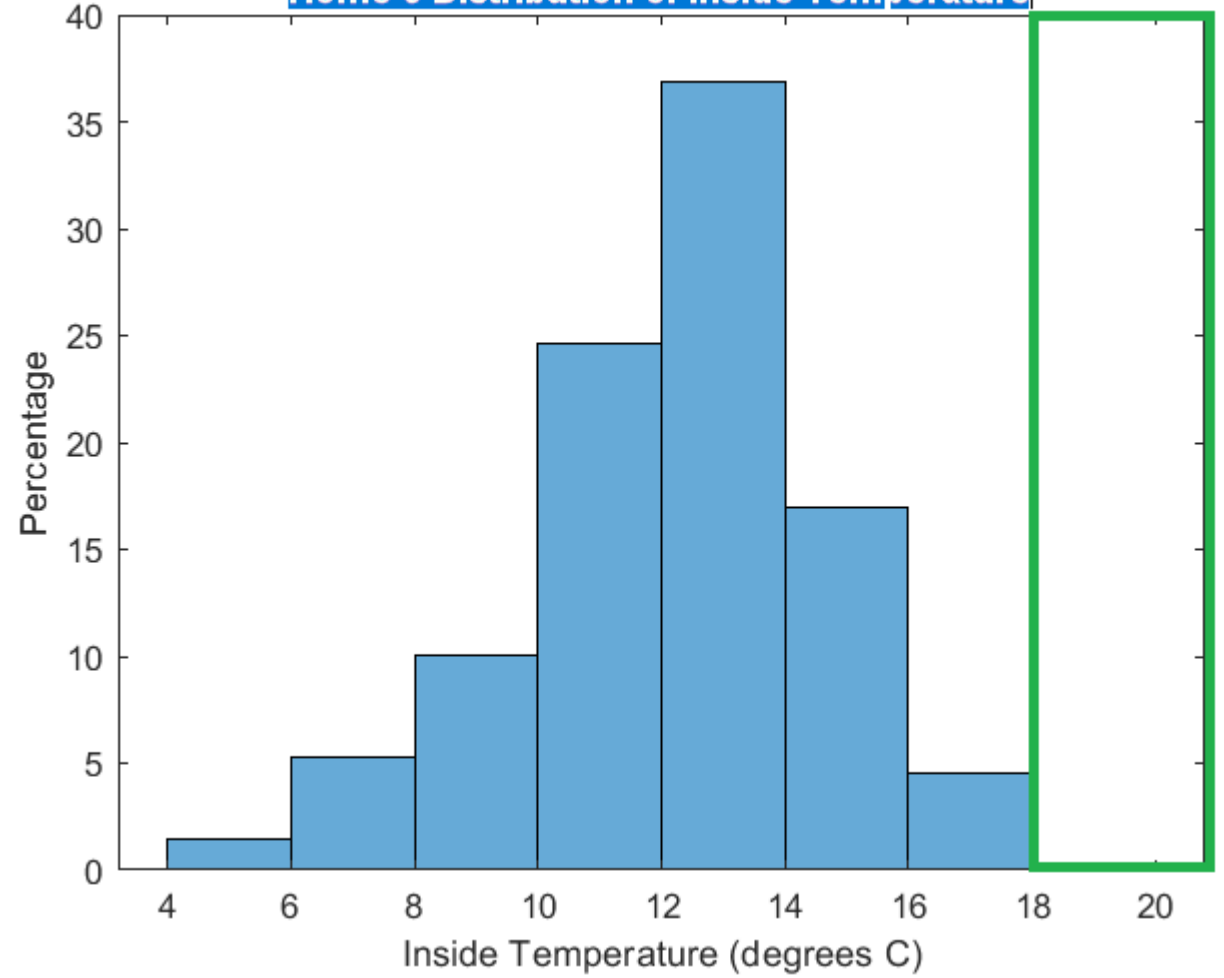
Climate  
Safe  
Housing



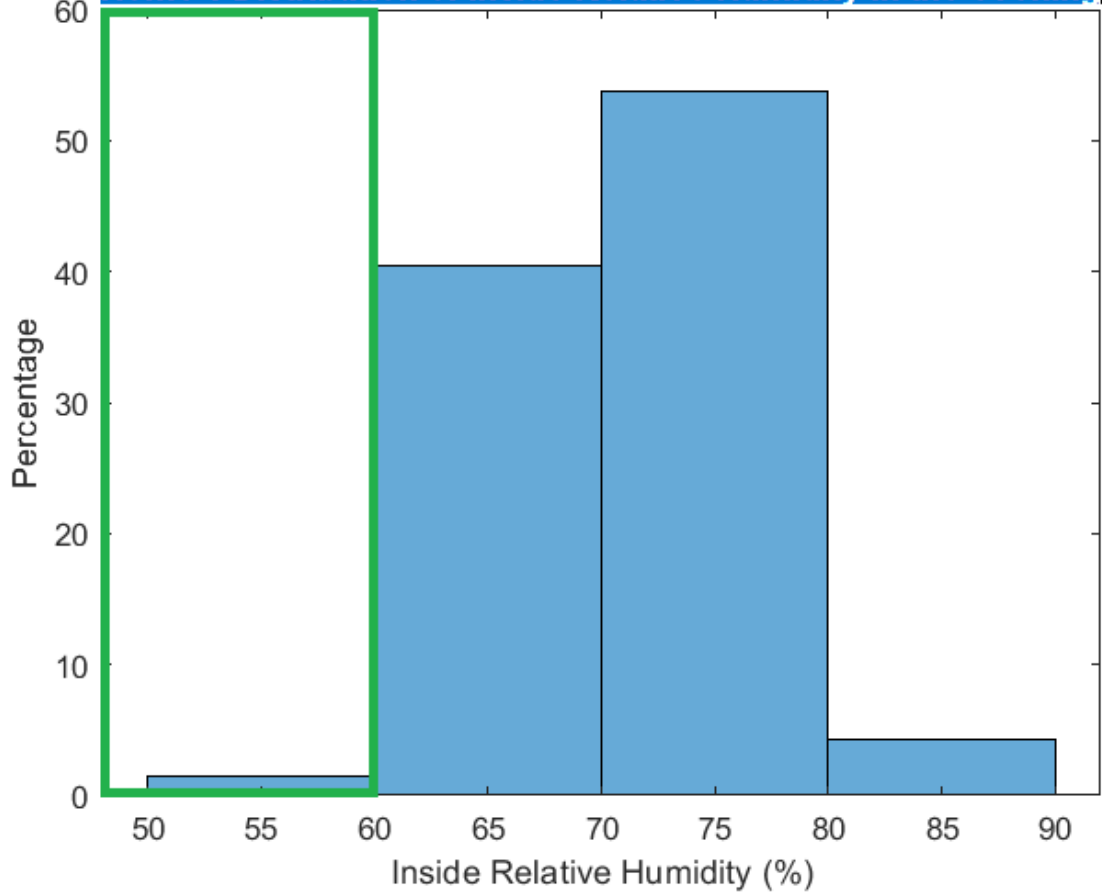
Home 1 Distribution of inside Temperature



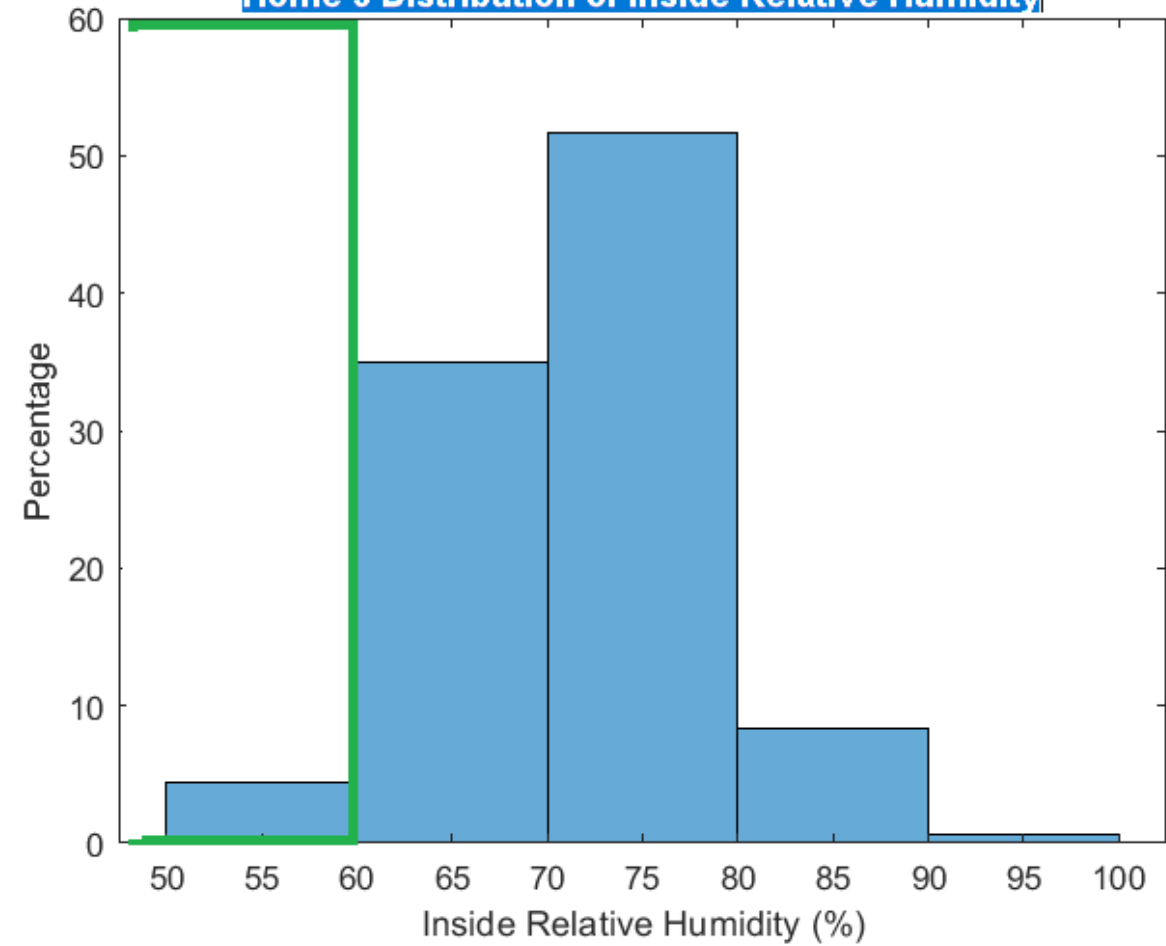
Home 3 Distribution of inside Temperature



**Home 1 Distribution of inside Relative Humidity in the evening**



**Home 3 Distribution of Inside Relative Humidity**



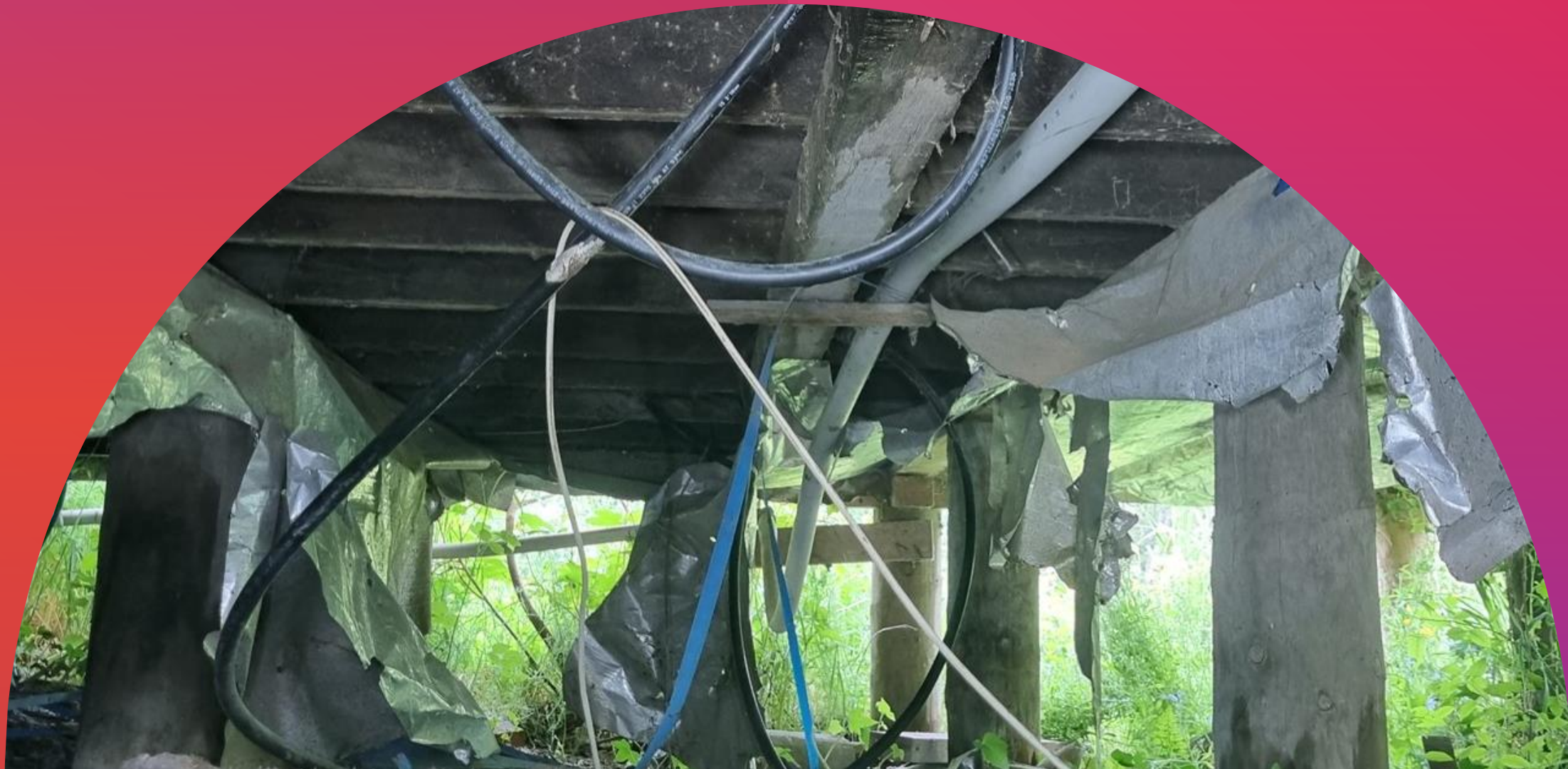
# CHALLENGES

1. Limited capacity to dig deep, particularly to understand Norms and Motivators
2. Reporting complexity (not fit for purpose)
3. The distressing situation when homes are out of scope





Questions?



# VISION

*Individuals, households and whānau are able to obtain adequate energy services to support their wellbeing in their home or kāinga*

