



# Māngere E-bike Trial

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# Why E-bikes?

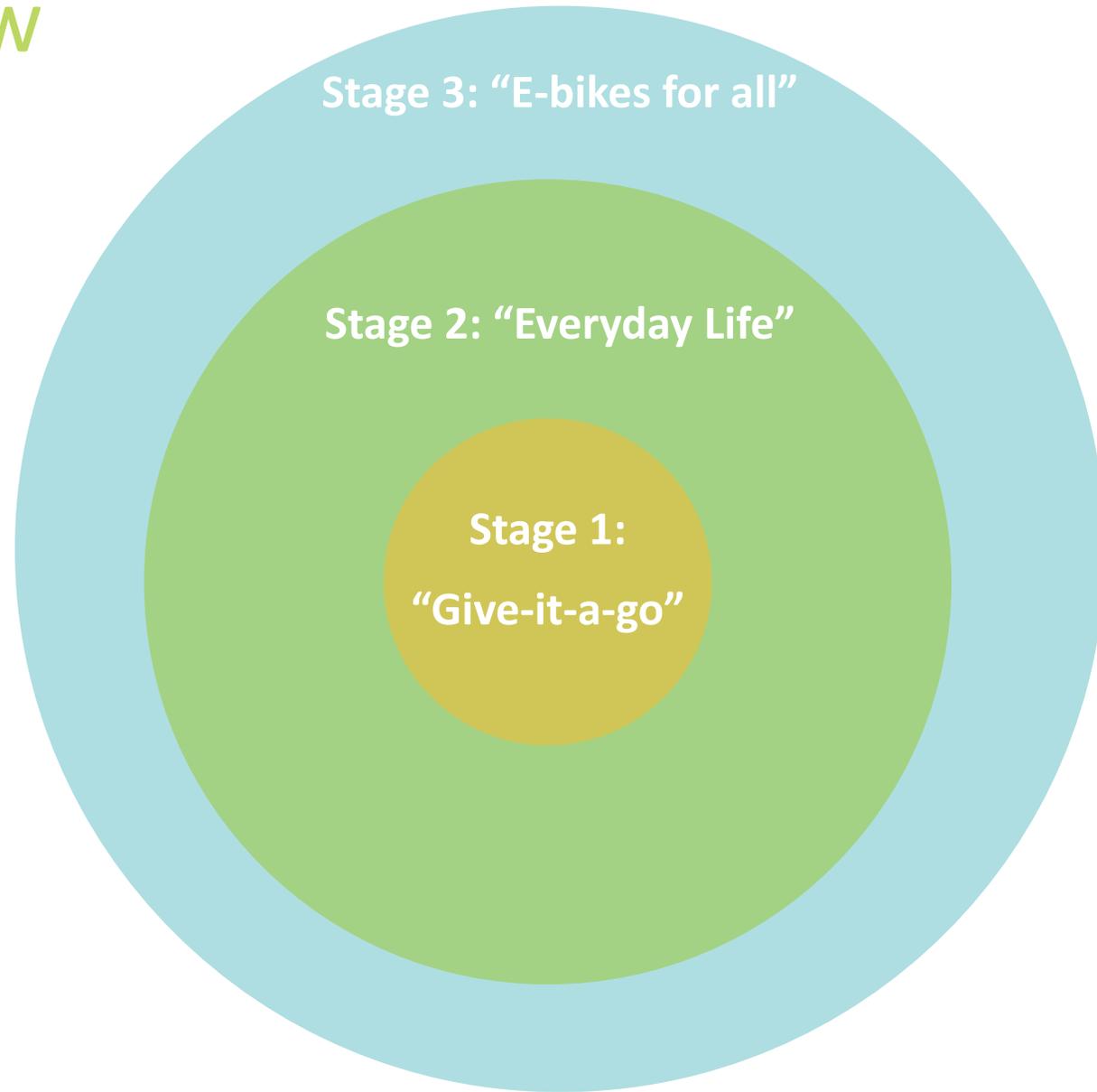
- E-bike use growing worldwide
- Make biking more useful (go further, carry more, quicker)
- Health and wellbeing for individuals
- Transport resilience
- Contribute to meeting emissions targets

# Why Māngere?

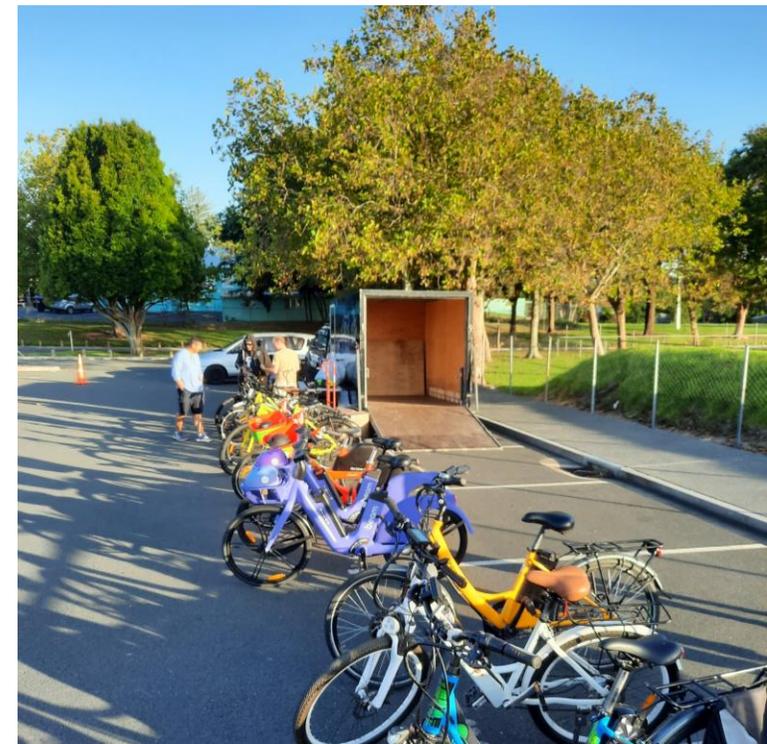
- Existing local infrastructure and bike experts
- Interest shown by local people
- National climate change conversation: who wins/loses as e-mobility becomes widespread?



# Project Overview



# Stage 1: “Give-it-a-go” Workshops





## Stage 2 – Māngere E-bike Trial: Auckland Transport's Ngā Tiriti Ngangahau – The Vibrant Streets

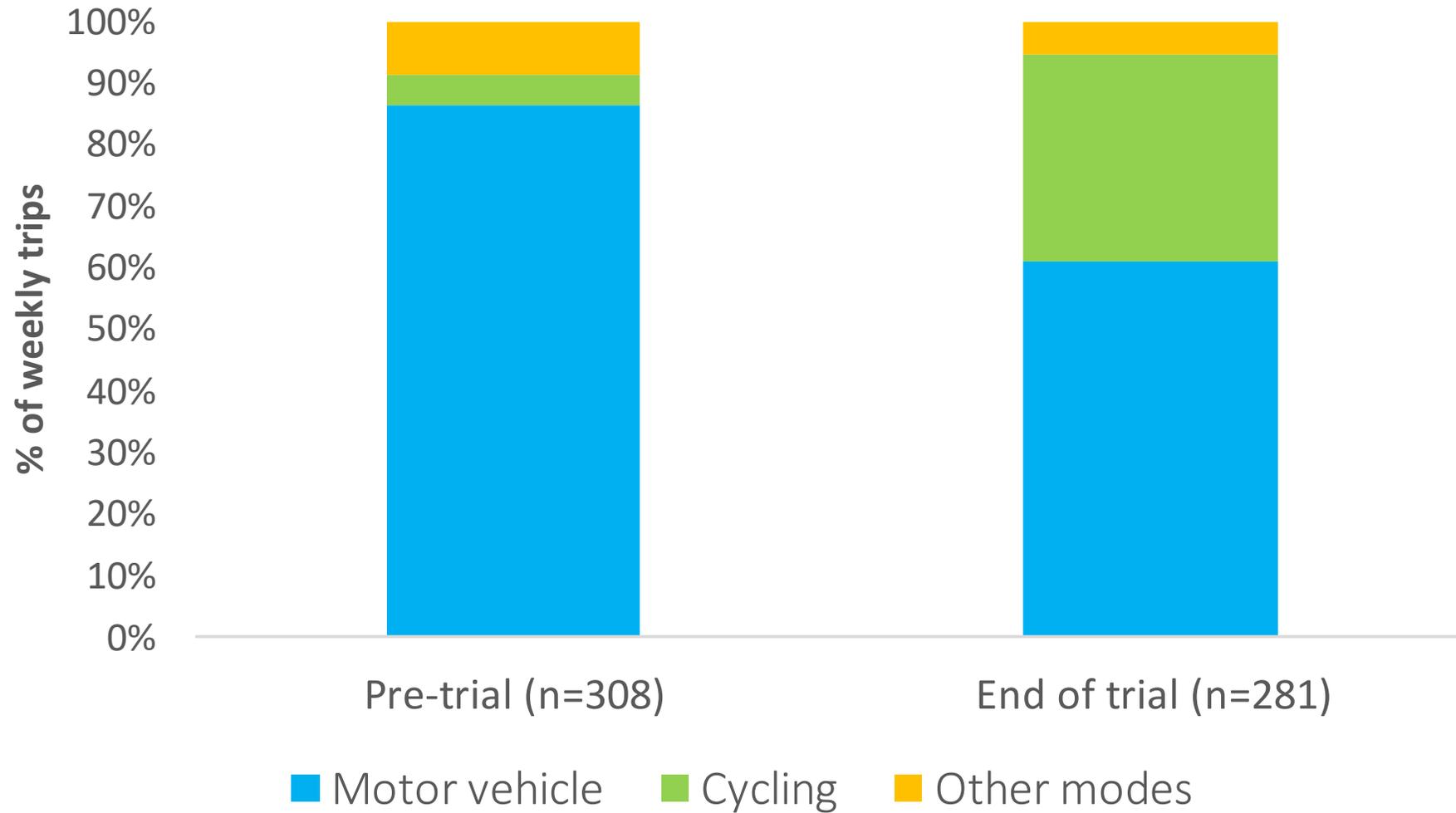
- Broaden participation in e-bike use across the Māngere community
- Evaluate use, experience, and readiness to continue through a longer-term trial
- Evaluate the potential of e-bikes to influence travel behaviour
- Identify barriers to accessing, using, and retaining e-bikes in Māngere

# Māngere E-bike Trial: Trial Design

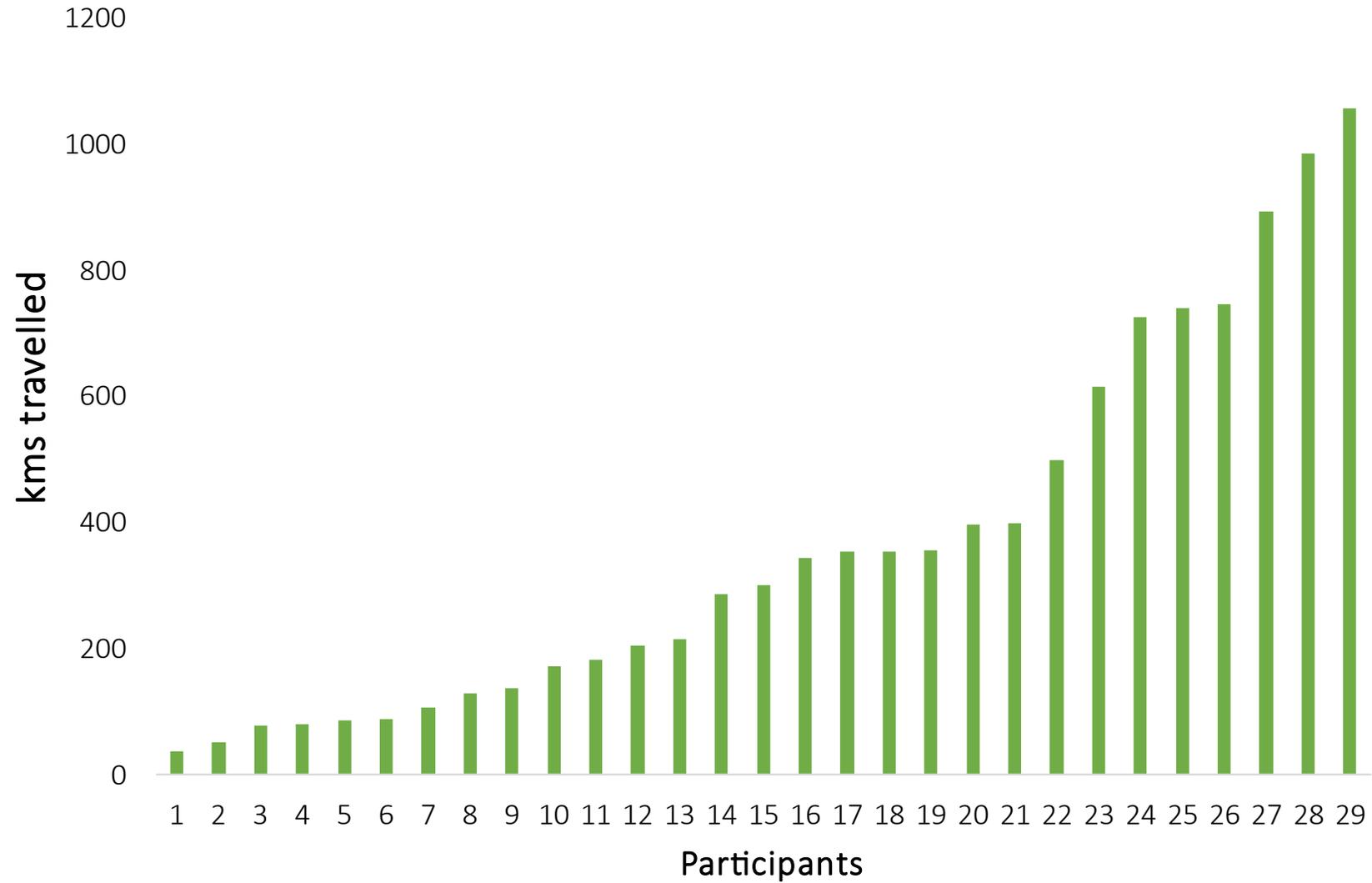
- 20 e-bikes; 2 cargo e-bikes; Accessories
- 40 users (2 rounds of 20 people)
- **Wave 1:**  
Individuals/Homes
- **Wave 2:**  
Businesses, community organisations, schools
- Before and after evaluation



# Māngere E-bike Trial: Travel Surveys



# Māngere E-bike Trial: Odometer readings



# Types of riding

**Exercise**

**Going to work**

**Group rides**

**Just for fun**

**Exploring Māngere**

**Local shopping**

# Enablers

**Mr. T!**

**Time to build  
confidence**

**Cycle lanes**

**Someone to ride  
with**

**Group rides**

**Bike locks**

**Training**

**Electrical assistance**

# Barriers

Poorly  
maintained  
cycle lanes

Felt unsafe  
around cars

Couldn't ride  
with kids

Bad  
weather

Fear of  
theft

Too  
busy

# Benefits

Seeing different parts of Māngere

Getting exercise

Inspiring others

Fresh air

Feeling positive

Getting places faster

Riding past traffic

Nature

Travelling farther

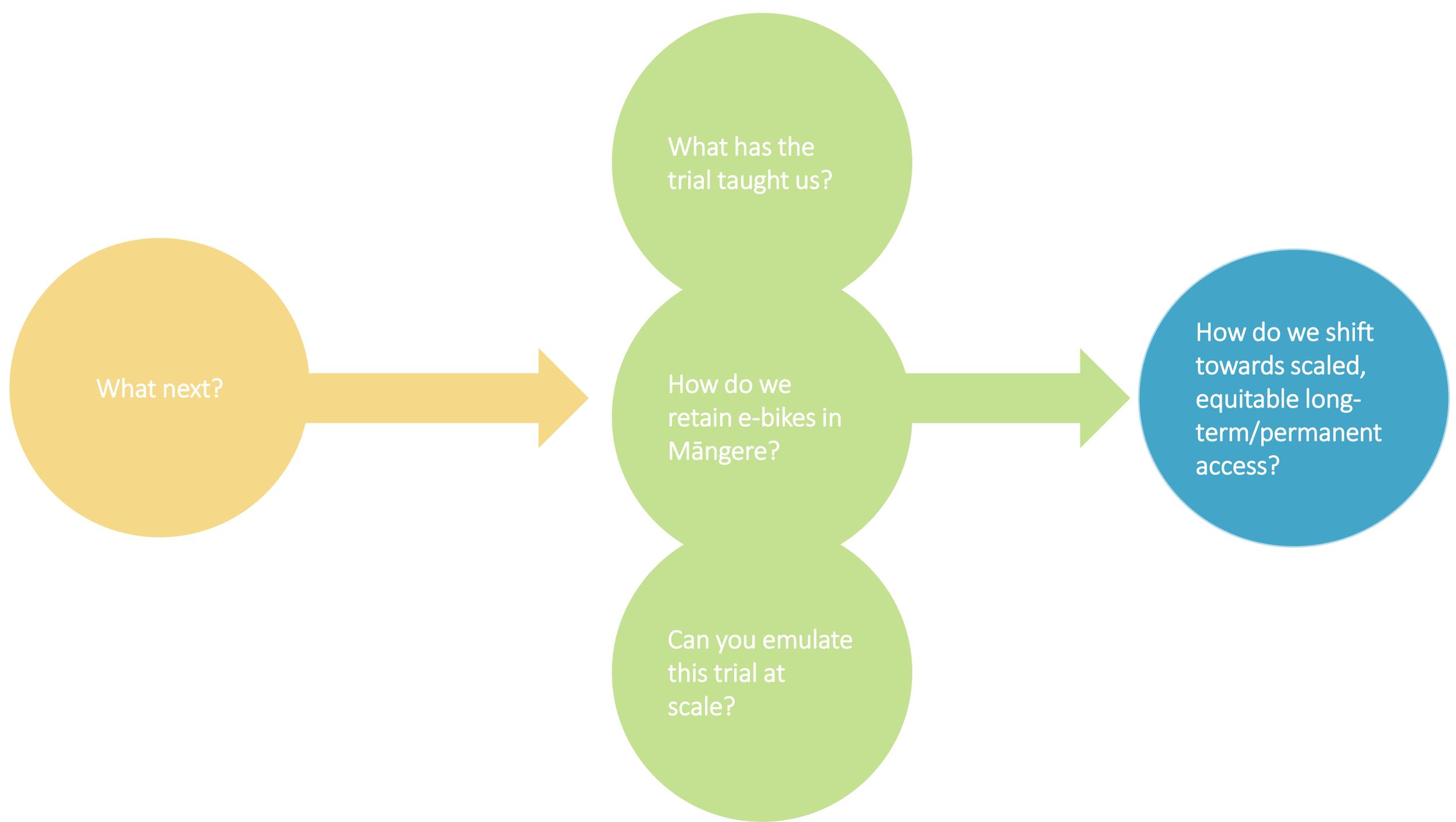
Feeling part of a community

Saving fuel costs



## Māngere E-bike Trial: Findings

- Cost primary barrier to uptake
- Importance of Time-To-Thrive as a project partner and local champion
- High demand for continued access; for some, now seen as essential



## Stage 3

*“Widespread equitable access to e-bikes in low-income communities”*

- Exploring options for a ‘pathway-to-permanence’ for e-bike access in Māngere
- TTT Community E-bike Library
- Inform the development of a **national e-bike incentive scheme** for low-income communities



Needs to be a whole country effort



ŌCHT Brougham St, Christchurch

Collaboration with other partners and policy-makers



Mangere E-bike Trial

Developing a community of 'e-bike trial practitioners' across Aotearoa



HIKO Pilot Project, Wainuiomata

# Conclusions

- Overall, there is a high demand for ongoing ebike access in Māngere
- Support from council agencies and a resourced community champion is essential
- Transport justice; ensuring low-income communities are not left behind in the shift towards a sustainable transport system

Questions?

