Healthy future mobility

Hamish Mackie, Mackie Research





PROJECT PARTNERS







Ministry of Business, Innovation & Employment









The Future of the Body

Alistair Woodward and Kirsty Wild, Auckland Uni

Our faith, interest and investment in the body as a transport technology

A technology being left to rust

The body as 'anachronism':

'Parcel to be moved'

'Pet to be walked' (Solnit)



OUR TRANSPORT FUTURE



What do we value?

how can transport help deliver it?



HEALTHY FUTURE MOBILITY

Future of the Bike

Active School Travel

Shaping Cities for youth

Growing Niche Innovations





FUTURE OF THE BIKE

BIKELASH

E-BIKES – POTENTIAL AS A MODE SHIFT TOOL?

- 1) Expert users, policy-makers, retailers
- 2) Small trial with motorists interested in making the 'switch'

'WHY ARE CYCLISTS THE HAPPIEST COMMUTERS'

BIKE JUSTICE – Gender and cycling, Maori and cycling, and low-income cycling.



Figure 3. Bicycle type by gender of rider, northwestern cycleway, March 2018



Figure 2. Affective appraisals of the daily commute (Source: Gatersleben and Uzzell, 2007)

- 1) Control and 'arrival-time reliability'
- 2) The 'feel-better' effects of moderate exercise
- 3) Sensory activation
- 4) Social opportunities

"[1] a takwaa of composite Leould sith ok dhiyo taka

"[I]n terms of commute I could either drive, take the train or cycle. Driving is horrendous, it makes me really anxious, no one is very friendly. The train is pretty good, you can read, but when people are, sometimes other people aren't having a good day and they're a bit in your face. ... And [with cycling] it's actually guite social if you want it to be, and I often chat to people at the lights because I'm chatty, but you don't have to if you don't want to, and you can also go fast or not go fast depending on how you're feeling, like it's quite adjustable." (E-cyclist 16)



WHAT IS THE RECIPE FOR MAXIMISING ACTIVE TRAVEL TO SCHOOL?

A mixed method approach

drawing on existing data and success stories from around New Zealand

working with Auckland Transport to design and test enhanced school travel initiatives.

THE SECRET RECIPE....





Shaping Cities for Youth

Alex Macmillan, Rosee Hodgson, Greer Hawley, Karen Witten, Adrian Field, Robin Kearns

Understand transport and urban planning needs of marginalised young people

• Focus on NEET

Method

- Peer interviewing
- Participatory mapping
- Modified photovoice
- Interview adult influencers



FEASIBILITY & USEFULNESS OF PUBLIC & ACTIVE TRANSPORT

- Deep changes for safe, affordable, attractive and feasible public transport, with a focus on youth equity
- Extend our response from driver licensing (and individual responsibility) to a broader transport system focus, in order to avoid deepening inequities.
- Find ways to ensure the cycling renaissance and e-mobility contribute to wellbeing for Māori and Pacific youth

CULTURAL IDENTITY, MOVEMENT, & PLACE

- Culturally relevant transport and urban planning for rangatahi Māori.
- Address racism in transport provision and operation
- Collaborative, neighbourhood-level projects

SOCIAL ENVIRONMENTS & PARTNERSHIPS

- Organisational leadership and partnerships to create social environments that support the use of public and active transport (e.g. through incentives, rolemodelling, and encouragement).
- Large employers can advocate for structural change rather than continued privilege

METHODS TO PRIVILEGE THE VOICES OF YOUNG PEOPLE WHO NEED BETTER ACCESS

RE-EXAMINE THE PRINCIPLES THAT GUIDE URBAN AND TRANSPORT PLANNING

A SYSTEMIC & STRUCTURAL REPONSE, WITH IMMEDIATE, MEDIUM, AND LONG-TERM ACTIONS

GROWING NICHE

Paine PI



Five case studies:

Te Ara Mua Future Streets Safe and Healthy Streets Sth Auckland* Aranui Connections (Christchurch)

Model Communities Programme Urban Cycleways Programme Important themes

Leadership Funding Policies and procedures Organisational ways Community/delivery tension Social environment

Funding

Engagement

Scope



MAKING NICHES HAPPEN

- 1. Be clear about how change will happen
- 2. See niches as risk management NOT risky
- 3. Built-in innovation, 'niches as normal'
- 4. Mechanisms to scale up and lever off niches



A national vision for healthy, safe, equitable travel What are the game changers for? Change system factors that are not aligned with vision Demonstrate, test, evaluate, keep going...

