Summary of transport research at Lincoln University – Nov 2018

Lincoln University
Te Whare Wānaka o Aoraki
CHRISTCHURCH • NEW ZEALAND

Dr Jillian Frater,
Adjunct Senior Lecturer,
Department of Environmental Management,
Lincoln University

Student work

Spatial characteristics of bicycle–motor vehicle crashes in Christchurch, New Zealand: A case-control approach

- ***Thomas Williams**, Faculty of Environment, Society and Design*
- ***Crile Doscher**, Senior Lecturer in GIS - Faculty of Environment, Society and Design.*
- ***Shannon Page**, Lecturer, Head of Department of Environmental Management, Faculty of Environment, Society and Design.*

Williams, T., Doscher, C., & Page, S. (2018). Spatial characteristics of bicycle–motor vehicle crashes in Christchurch, New Zealand: A case-control approach. Journal of Transport and Land Use, Vol 11, No 1 (2018). https://www.jtlu.org/index.php/jtlu/article/view/1147

Richard Moreham,

Phd Candidate

Department of Environmental Management

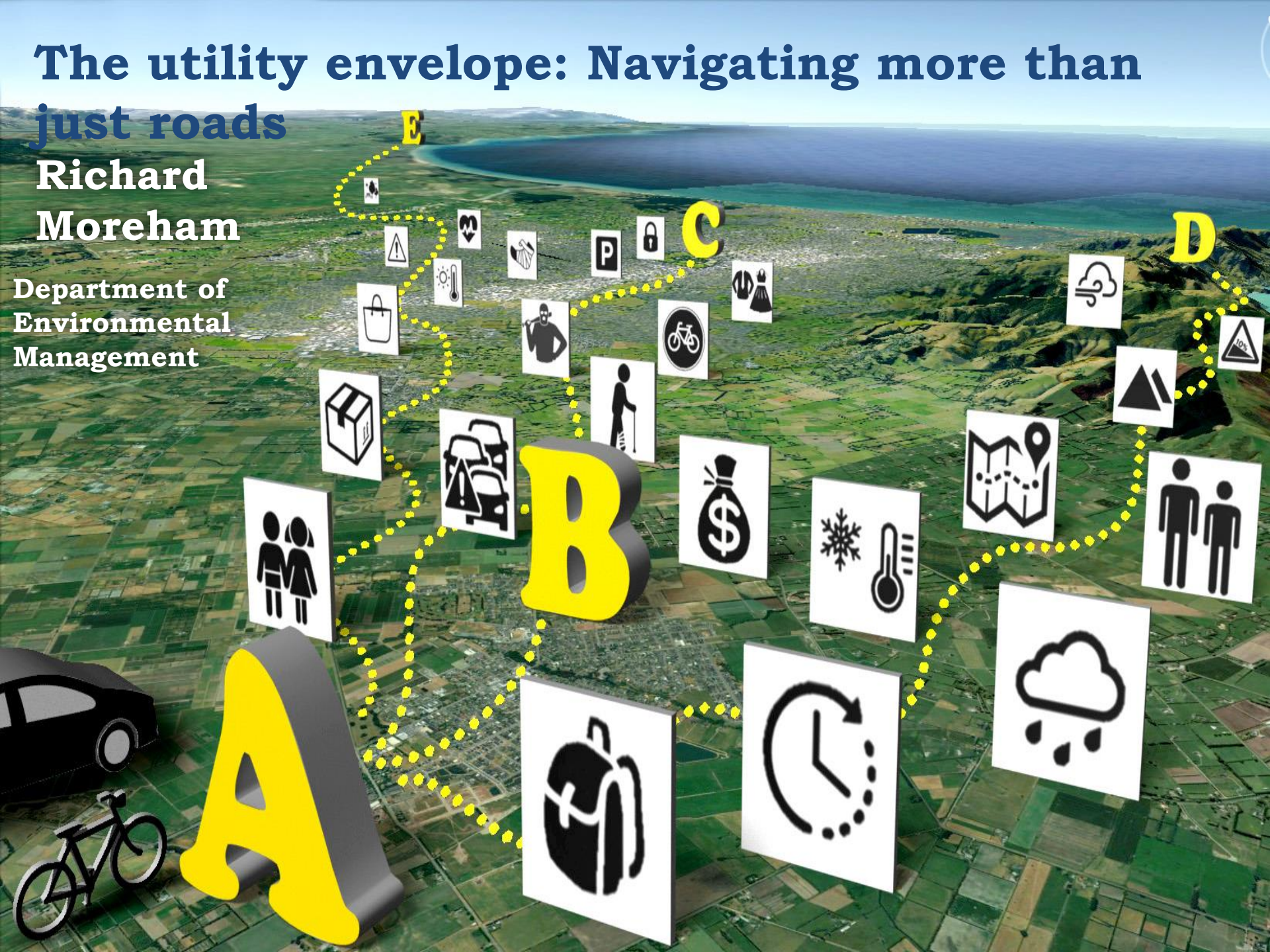
Supervisors

- ***Suzanne Valance**, Senior Lecturer - Department of Environmental Management*
- ***Roslyn Kerr,*** Senior Lecturer & Head of Department of Tourism, Sport and Society
- ***Shannon Page**, Lecturer, Head of Department of Environmental Management.*

The utility envelope: Navigating more than just roads

Richard Moreham

Department of Environmental Management



The utility of utility cycling

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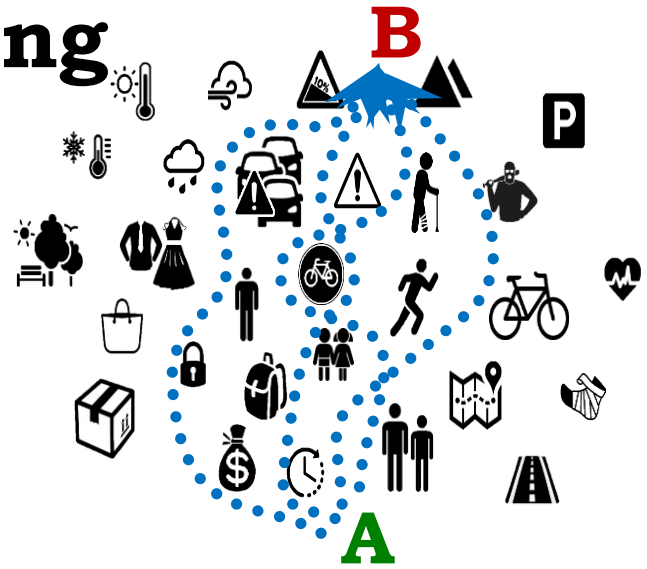


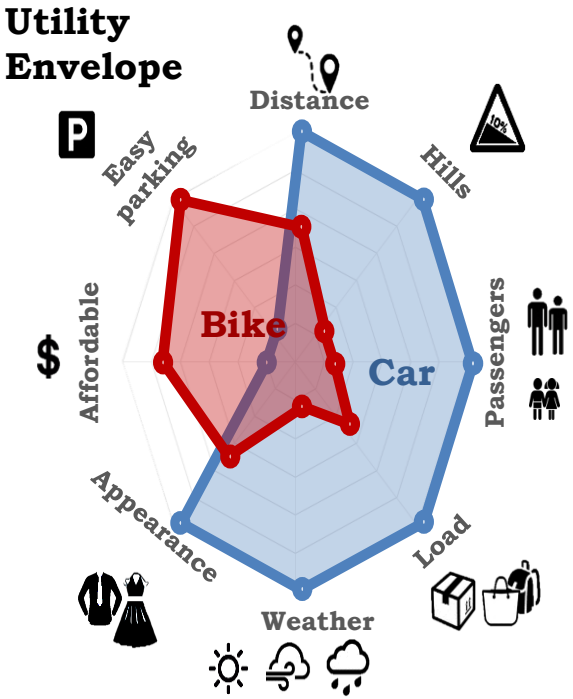
Idea: **To increase cycling rates, it needs to be the transport option that *works best* for people in their everyday lives**

Practice theory based:

- centred on what people *do*
- people acting in a material world
- not individual attitude or choice alone

Utility envelope:

- focus on *what works* for people
- a broad, qualitative conception of utility



Staff work

Enjoyment of differing bicycle infrastructure in Christchurch: A pilot study

Dr Andreas Wesener, Senior Lecturer, School of Landscape Architecture.

Dr Suzanne Vallance, Senior Lecturer, Department of Environmental Manager

Richard Moreham, PhD Candidate, Department of Environmental Management.

Dr Jillian Frater (Lincoln University), Adjunct Senior Lecturer, Department of Environmental Management.

Maike Tesch, MSc Candidate, Leuphana University, Germany.

Overall research question

What is the relationship between the quality of the physical environment (of the Major Cycle Routes in Christchurch) and users' perceptions of satisfaction and comfort?

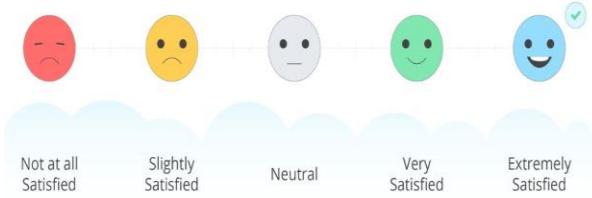
National Science Challenges
BUILDING BETTER HOMES, TOWNS AND CITIES
Ko Ngā wā Kainga hei whakamāhorahora

Data collected in three ways:

AndroSensor

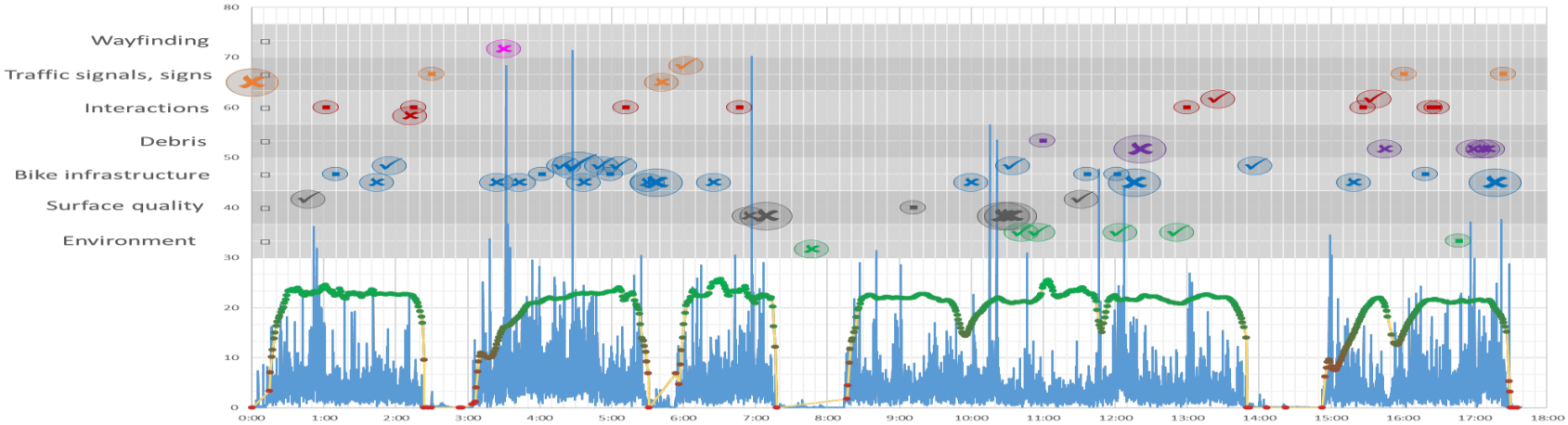
360° camera

Likert Scale



Conclusions

- Use of low cost equipment was successful
- Collecting data was relatively easy, but the analysis was very time consuming (software could be developed).
- Option 3 (below) was preferred to visually show the data



Changing the travel behaviour of commuters returning to work in central Christchurch, New Zealand.

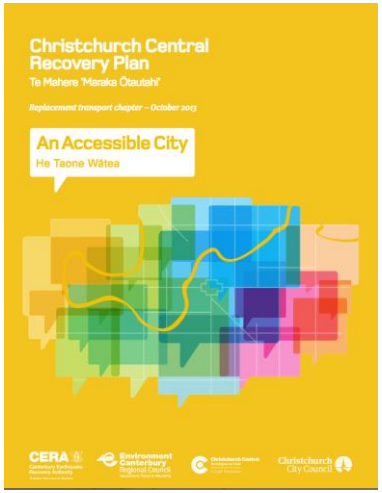
Dr Jillian Frater, Adjunct Senior Lecturer, Department of Environmental Management.

James Young, Canterbury District Health Board (former employee of Greater Christchurch Partnership)

Dr Suzanne Vallance, Senior Lecturer, Department of Environmental Management.

Greater Christchurch Partnership Healthy Commuter Programme

Aim: To encourage people moving back into the city to travel to work by means other than single occupancy vehicles. i.e. public transport, walking, cycling and carpooling



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