The path to delivering Energy Resilience:

Measuring transport choice

IPENZ Transportation Group Conference
Rotorua, New Zealand, Monday 19th of March 2012

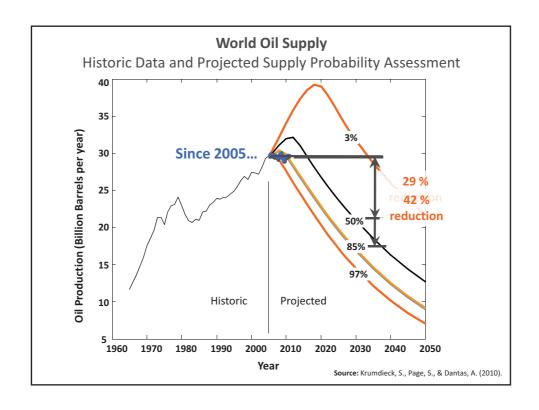
Stacy Rendall, Dr. Shannon Page, Dr. Femke Reitsma, Dr. Elijah Van Houten, Steve Abley, A/Prof. Susan Krumdieck







Outline Transport energy Resilience Method Case study



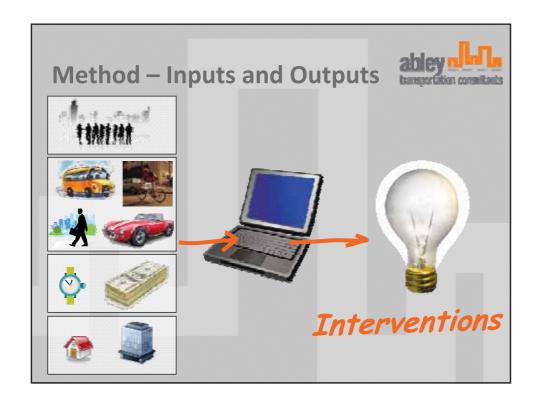
Transport Energy Constraints

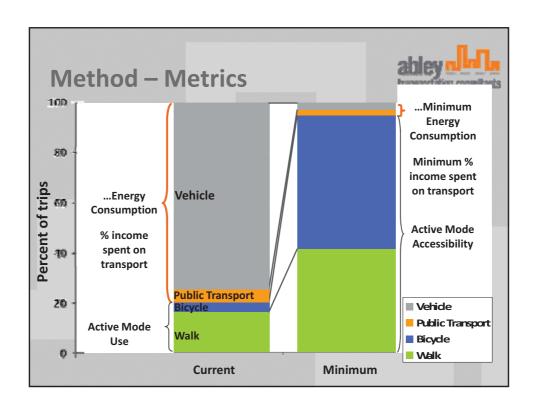


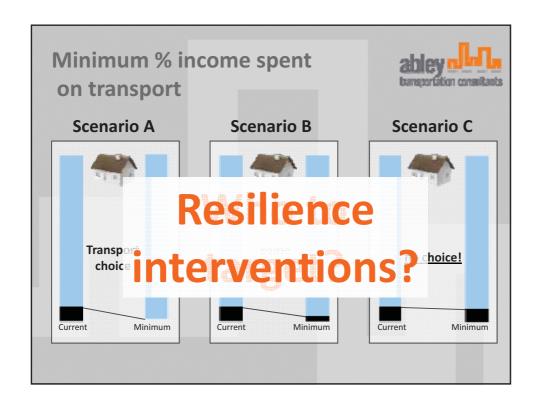
- People will attempt to adapt
- There are limits to adaptation
- Trips that cannot be adapted will be lost
- Modern car oriented cities do not allow people to adapt

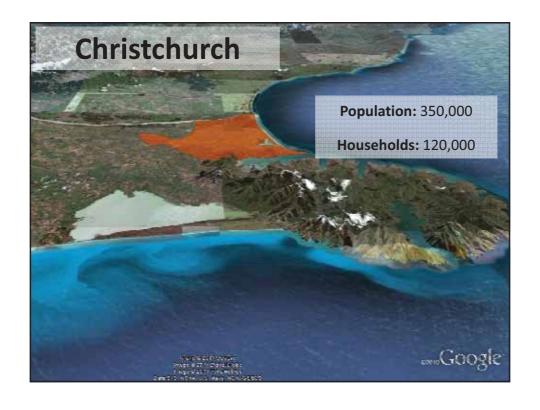
min terms of transport: Ability to continue participating in activities under increasing fuel price pressure.

Method Builds upon existing Accessibility methodologies Quantifies transport choice and limits to adaptation Highlights interventions Does not predict; measures potential

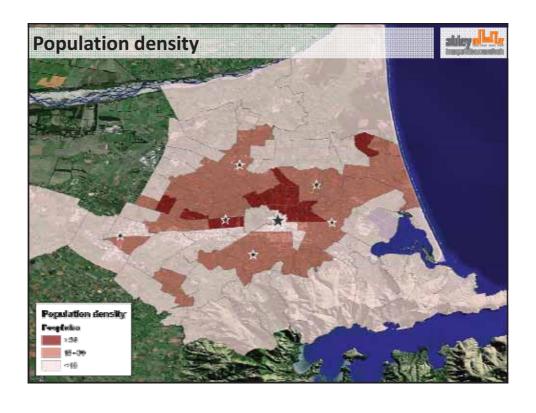


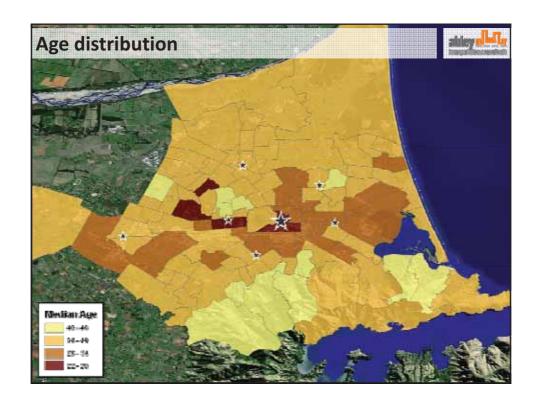


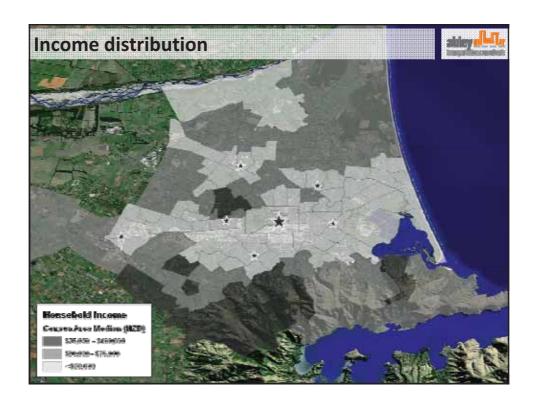


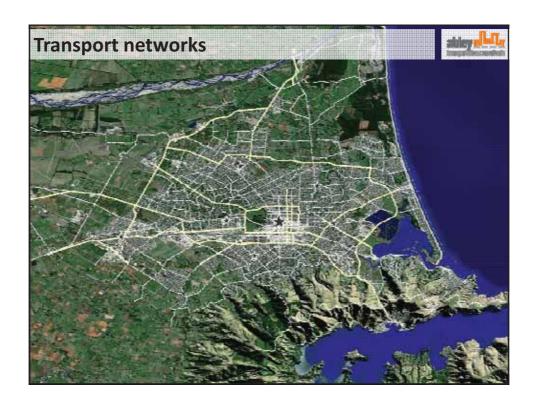


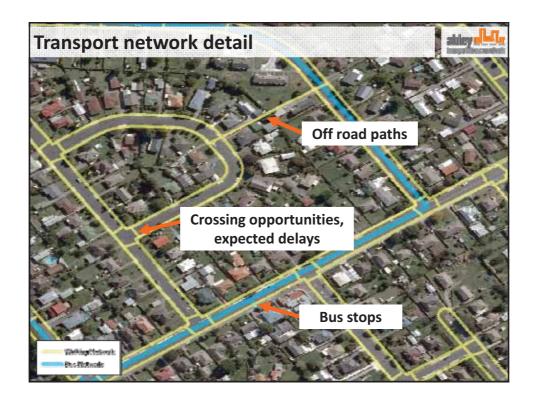


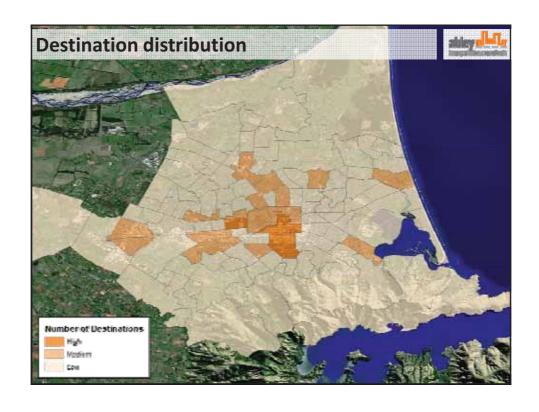


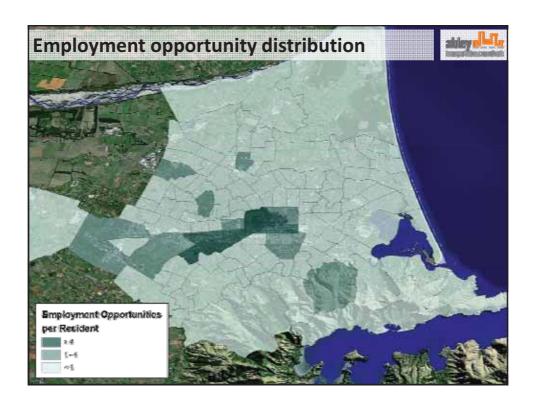


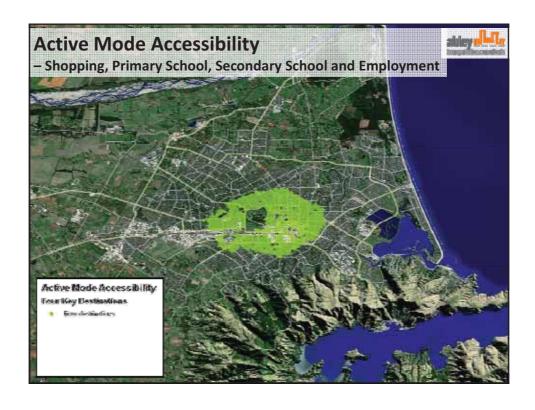




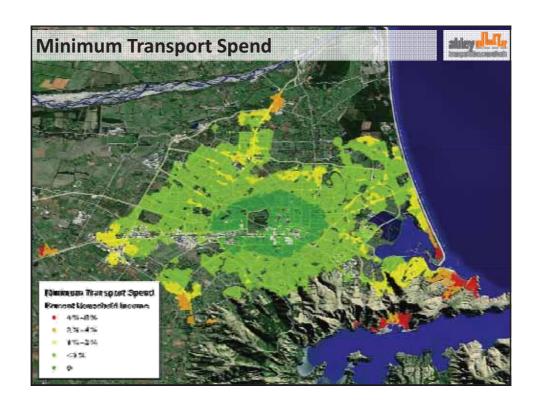


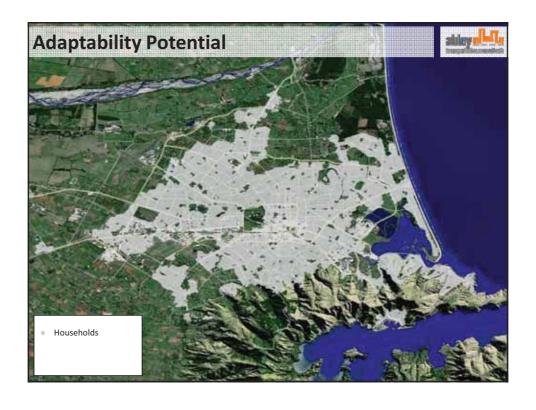


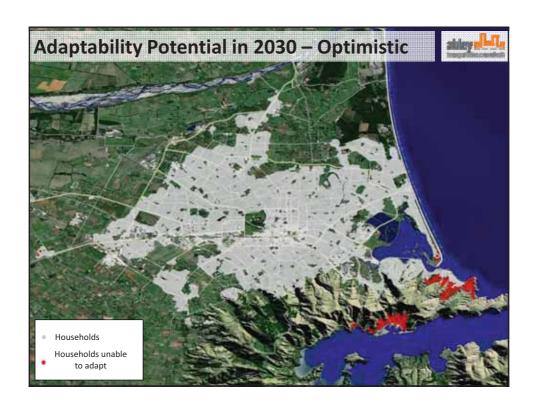


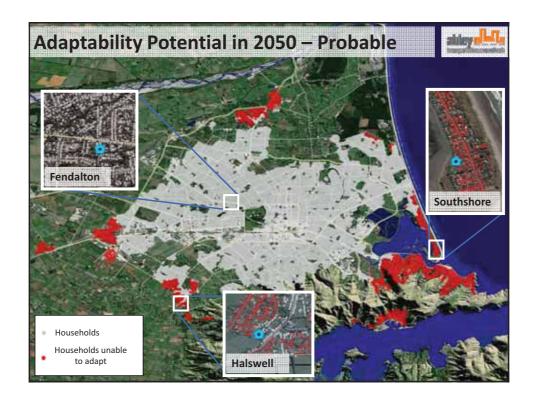










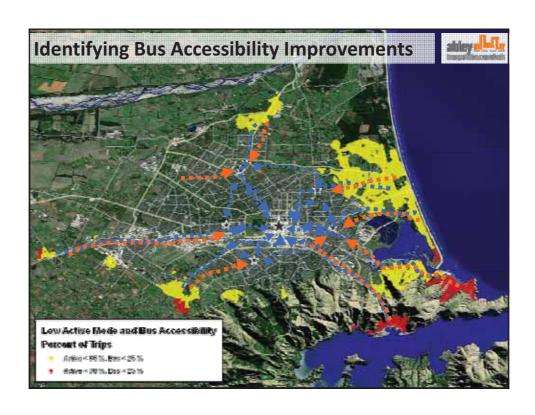














Conclusions



- Oil supply issues = Inevitable transport system change
- Transport energy resilience = Transport choice
- Highlight communities at risk, timeframes
- Identify interventions to increase accessibility
- Ultimate outcomes: Resilience, Liveability

To find out more



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