

Research topics

- What intelligent mobility trends are expected in New Zealand?
- How is data being shared and who is using it?
- What data-related capabilities are needed?
- Barriers and challenges to creating, opening up, and using data in transport.

Abley Transportation	Fonterra	Qrious
Ashburton District Council	Google	Road Controlling Authorities Forum
API Talent	Green Signal Ltd	Selwyn District Council
Automobile Association	H.R.L Morrison & Co	Snapper
Auckland Motorway Alliance	Hack Miramar	Statistics New Zealand
Auckland Transport	HERE	Tauranga City Council
Auckland University of Technology	KiwiRail	Tauranga Traffic Operations Centre
Bay of Plenty Regional Council	KotahiNet	ThunderMaps
Beca	Lyttelton Port Company	TomTom
Christchurch Airport	Mastercard	Trip Convergence
Conduent (formerly Xerox)	Media Suite	Uber
Datacom	Microsoft	University of Canterbury
Downer ITS	Navman	Wellington City Council
Environment Canterbury	NEC	Wellington Airport
EROAD	New Zealand Taxi Federation	WSP Opus
Figure.NZ	New Zealand Transport Agency	
Fleetpin Ltd	Office of the Privacy Commissioner	WSP Opus

'The enabling of emerging technologies to improve the movement of people and goods in a smarter, greener and more efficient manner.'

Anticipated intelligent mobility trends

Short-term trends: present to 5 years out.

Medium-term trends: 5 to 15 years out.

Long-term trends: more than 15 years out.

Increased sensor coverage and volumes of data

New transport services emerging

Enhanced tools for managing and operating networks

Enhanced tools for data analysis and data insights

More open and available datasets

Mobility as a Service platforms introduced

Data as a Service models growing and adding value

New modes of transport available to move people and goods

Demand responsive pricing and prioritisation of services, infrastructure and networks

Increased intelligence in collaborations

Optimised journey planning applications

MaaS models becoming widespread with integration between public + private services

AV testing in NZ and overseas

AVs tested and registered for use in a range of applications and settings

Data needs



Augmented GNSS and high res map data.

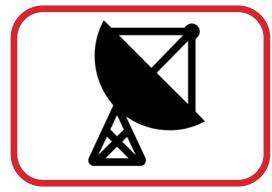


Who, where, how and why?



Vehicle locations and trips.

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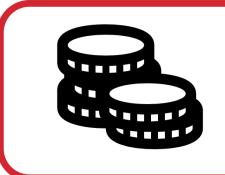
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Infrastructure demand and availability



Journey costs by mode.



Network performance and management

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- 8. Security and privacy of information about people.
- 9. Data related capabilities.

Key actions and recommendations

- New business models for data are needed.
- Very much about better connections and linkages between actors.
- Government has the opportunity to play a vital role in creating connections and enabling opportunities.
- Initiatives such as the Data Hub are central to this.

Research report

The full text of the research report can be found at:

https://www.transport.govt.nz/resources/research-papers