Data Sharing to Enable Business at the Speed of Customer

Delivering digital engineering for land transport

NZ TRANSPORT AGENCY
WAKA KOTAHI

New Zealand Government

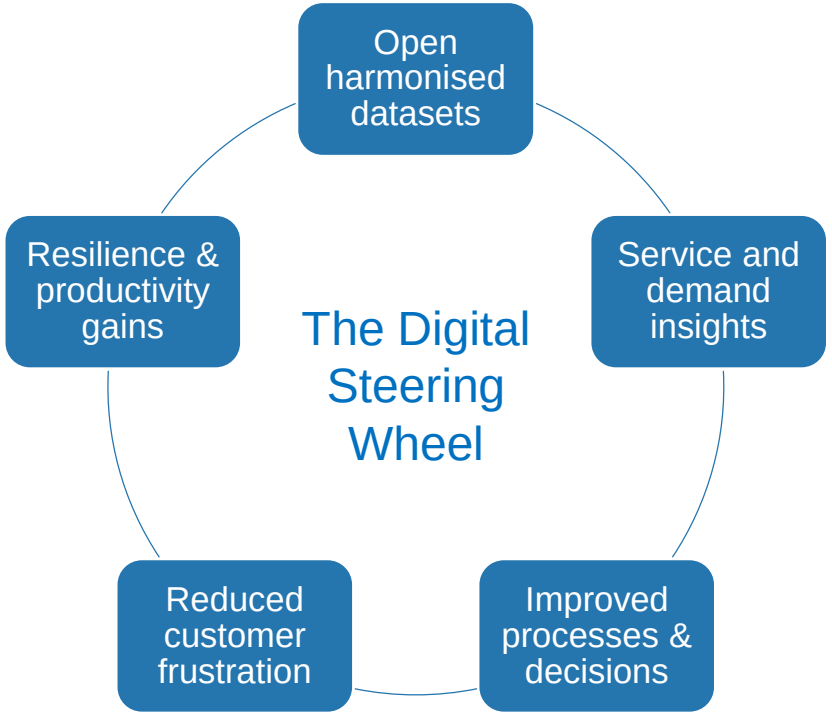
Industry 4.0

To decide our future or be sold what is available

A radical reshaping of processes and behaviours, across business and throughout social interactions

Driving into the digital dimension

Working together is key . . .

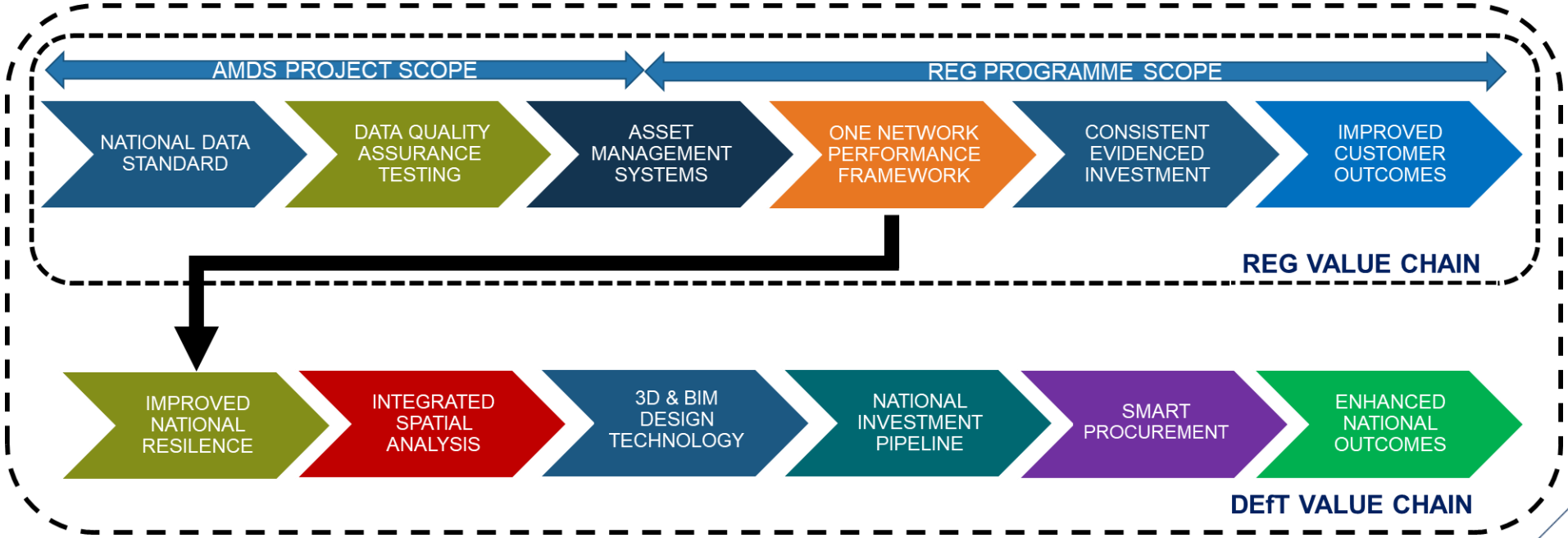


Ensure we are gearing NZ's land transport assets for the best possible best future

Getting with the lingo is Standard business

- A national asset data language
- Ontological Model
- Developed in partnership
- Consider ease of maintenance, implementation → BAU

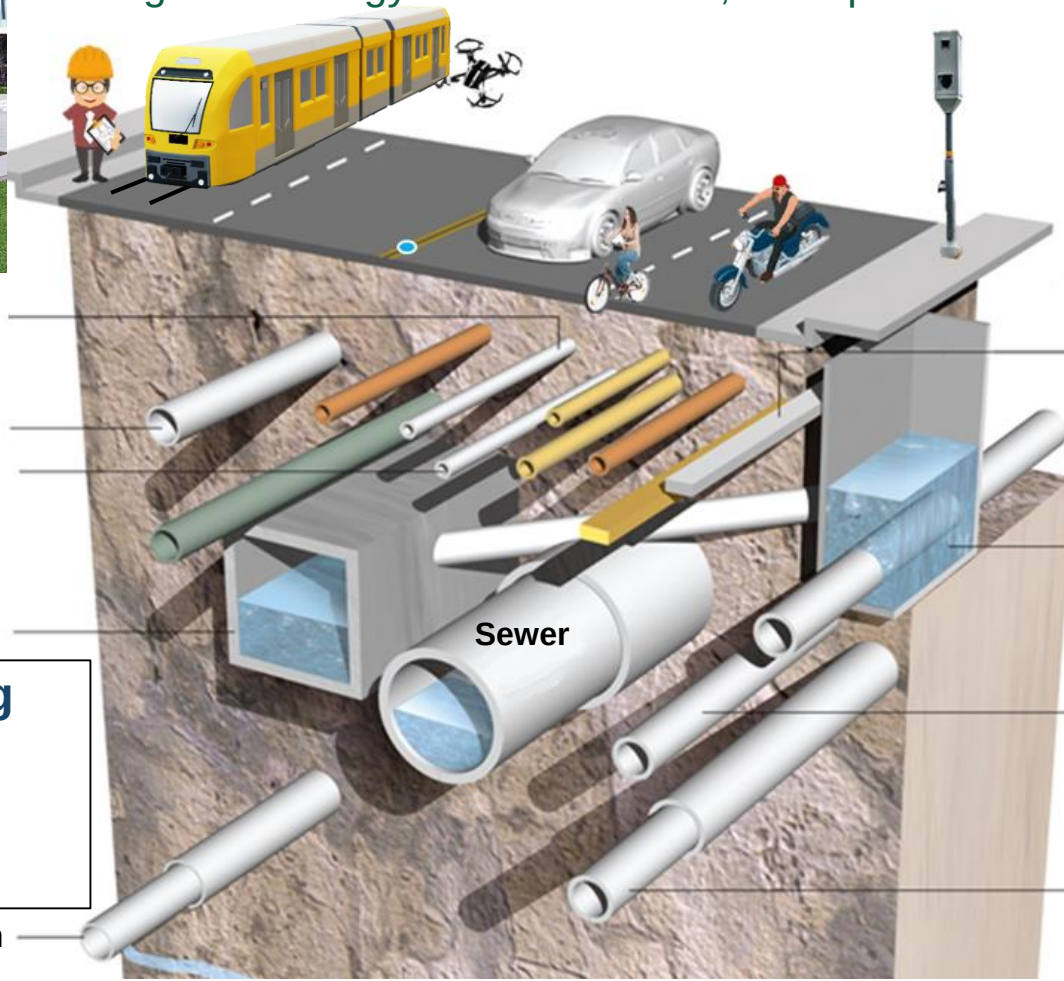
A Plan to Deliver Enhanced National Outcomes



Transport corridors are busy places

Leverage technology to deliver safest, most productive transport corridors

(Re)Development



Location Referencing

- Stats NZ, LINZ, DIA
- NTSC & NZTA

Data as an Asset (D3A) - Standards pave the way

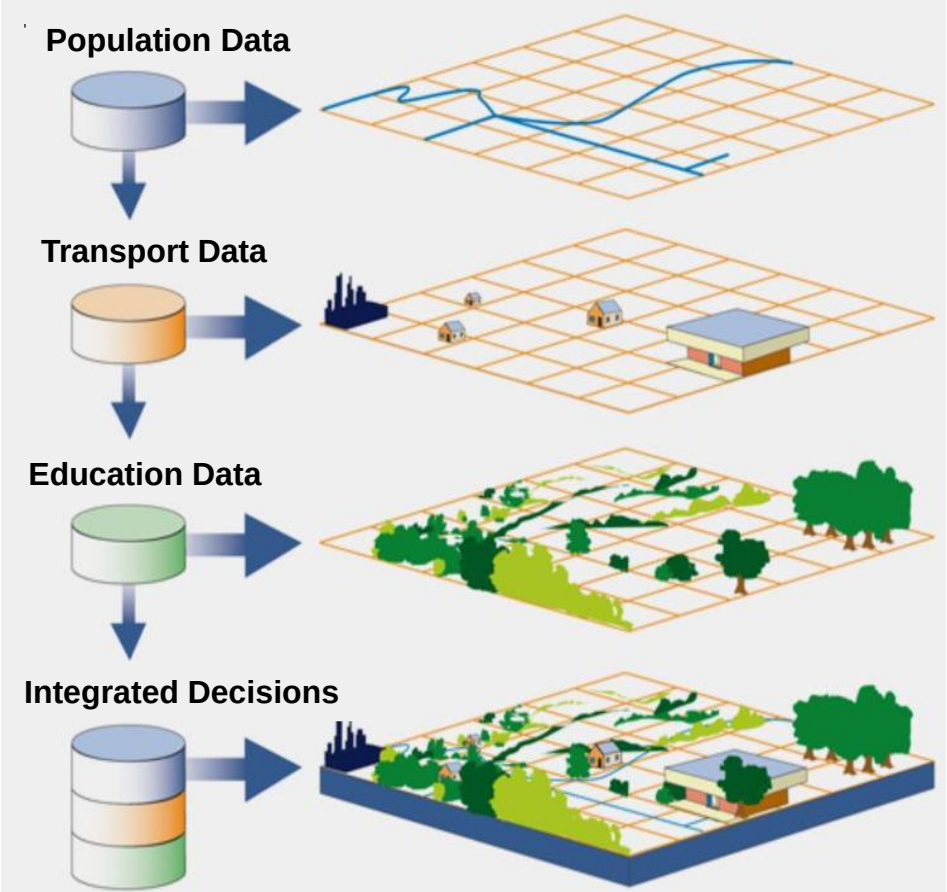
Better asset and service decisions and outcomes for all New Zealanders

Benefits of AMDS for Land Transport
Remove wasted, duplicated effort
Improve process efficiency
Improve customer service
Improve transport information quality
Provide structure for consistent records
Improved asset management decisions

Integrated Decisions

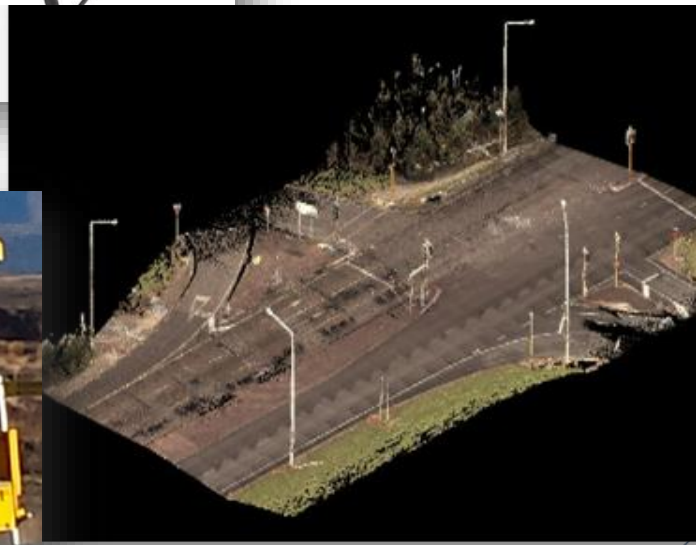
Integrated Spatial Analysis

- UK Govt 2017 Report – Greater data sharing £15B
- Spatial Layering clean, complete data sets
- National procurement, regional delivery pipelines
- Example: Public transport choices, drivers licence numbers, unemployment rates?
- Example: Traffic flows, education levels, children's health?
- Provides insight, smarter investment, better community outcomes



Enhanced data capture

To smooth the road ahead



As we approach implementation . . .

Business Case

- Success involves partnership
- Local financial planning processes
- Local funding/resourcing challenges
- Existing groups and partnerships
- Sector needs and challenges will vary

“Who votes to give this case to Bernard, too?”


Thank you
amds@nzta.govt.nz
www.nzta.govt.nz/amds