NEW ZEALAND INFRASTRUCTURE COMMISSION
Te Waihanga

CONSTRUCTION CLIENTS' GROUP

The 1st National Workshop
Delivering New Zealand's Future

Geoff Cooper, General Manager Strategy
Infrastructure Commission

Wednesday 16th September 2020 07:30am - 09:00am

Te Waihanga (Infrastructure Commission)

The reo Māori name for Infracom, Te Waihanga, means a cornerstone, or to make, create, develop, build, construct, generate.

Te Waihanga is concerned with future infrastructure planning and investment.

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Ma tini ma mano ka rapa te whai

"By many thousands, the work will be accomplished."

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Te Waihanga/Infracom

NEW ZEALAND INFRASTRUCTURE COMMISSION Te Waihanga

- Infracom has been established to ensure quality infrastructure investment
- Infracom seeks to lift the level of infrastructure planning and delivery
- To improve New Zealanders' wellbeing.

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Construction Clients' Group

Construction Clients' Group
CONSTRUCTING EXCELLENCE

- CCG provides an independent collective voice for public and private sector
- Aiming to lift client performance.

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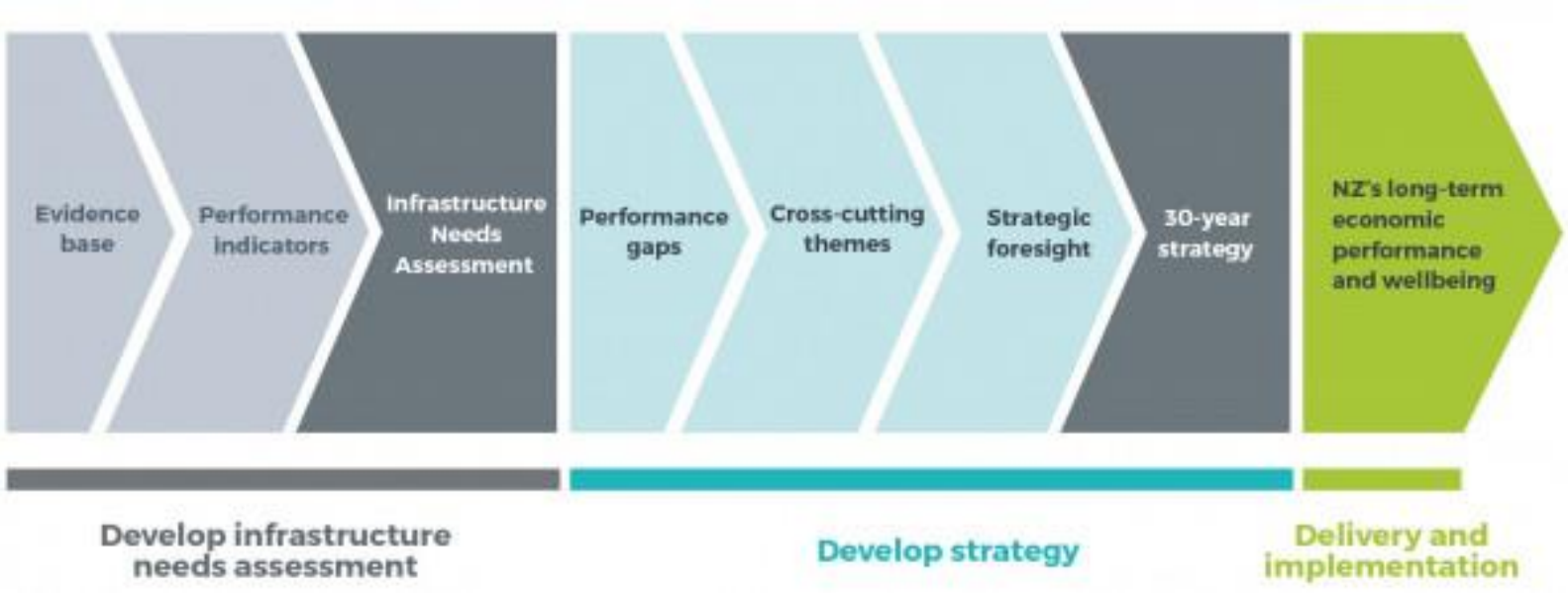
Our 30-year Strategy development process



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Toward a New Zealand Infrastructure Strategy

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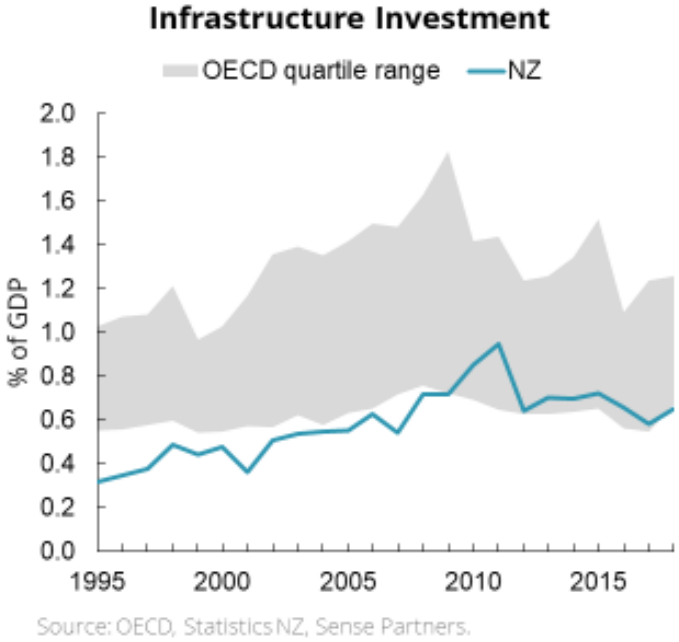
Have we been investing enough?



"The infrastructure shortfall may be as high as $75bn in 2019, or 25% of GDP“

Source: Infrastructure for the long haul

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Infrastructure is about where and how we live

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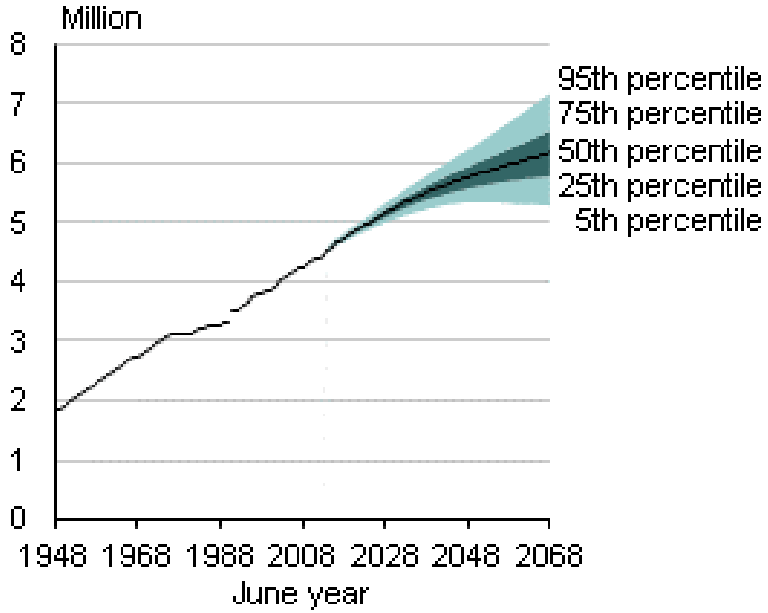
New Zealand is in demand



Source: Statistics New Zealand

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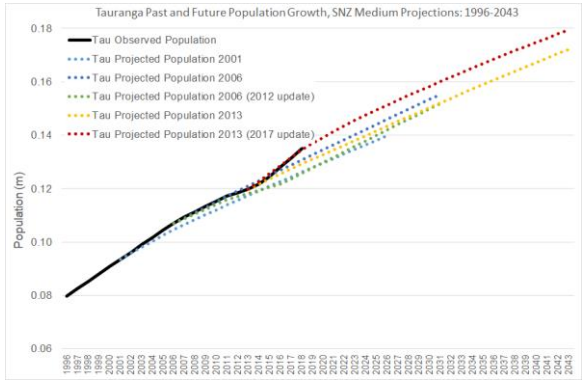
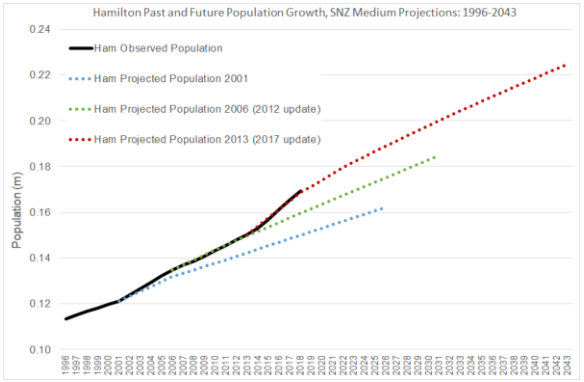
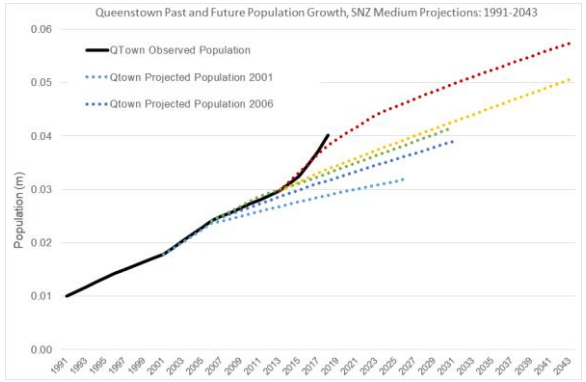
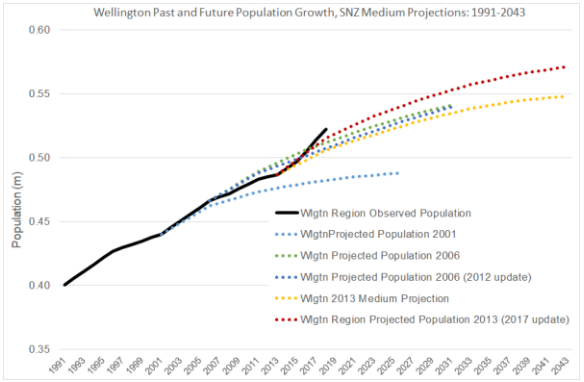
But do we keep underestimating ourselves?









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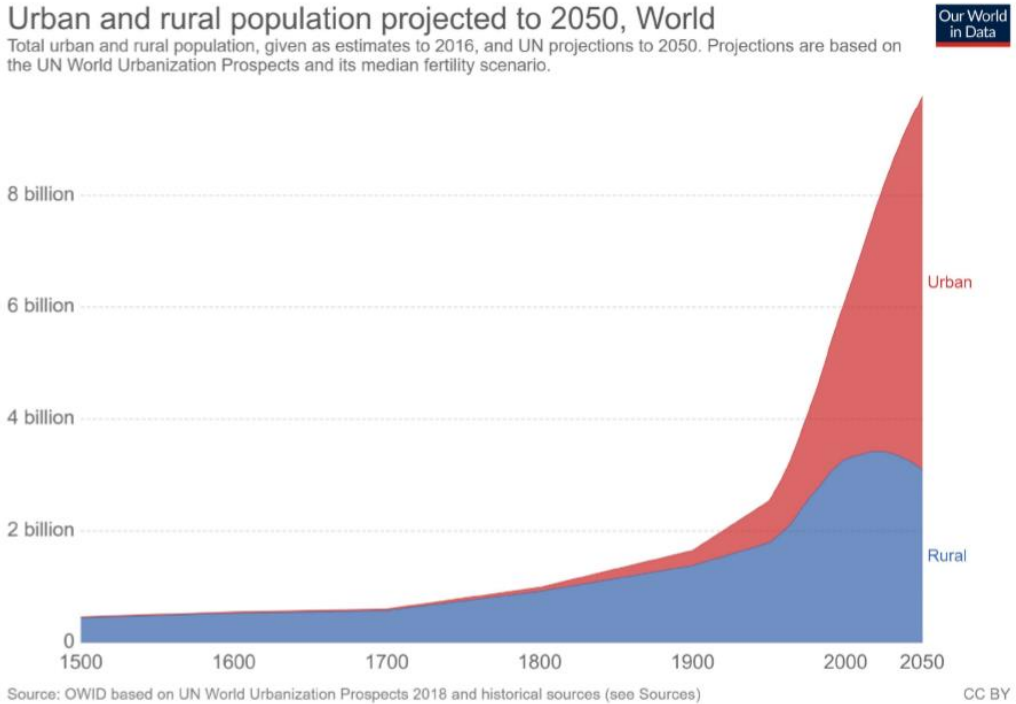
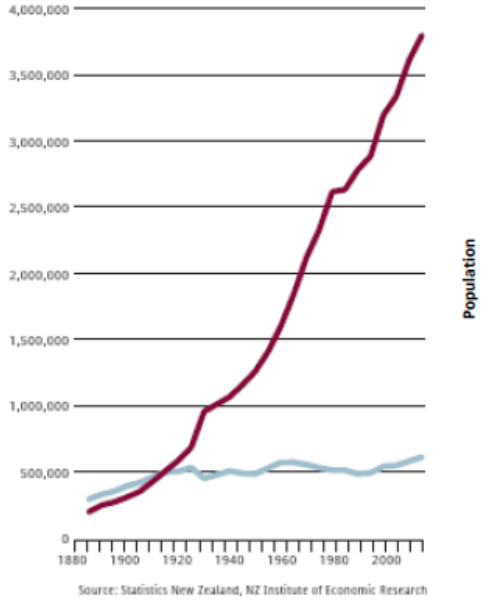
The urban juggernaut and the rise of the city





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Infrastructure can change land use substantially

In the first ten months, ~4m vehicles used the bridge (1959). The total was 5.5m in 1961, 15m in the year to 1970 and exceeded 32m by the mid-1980s …

The bridge triggered an explosion of development on the North Shore and the early traffic growth at more than 13 per cent a year led to the decision in 1964 to add two more lanes on each side of the bridge.

Grimes, 2011

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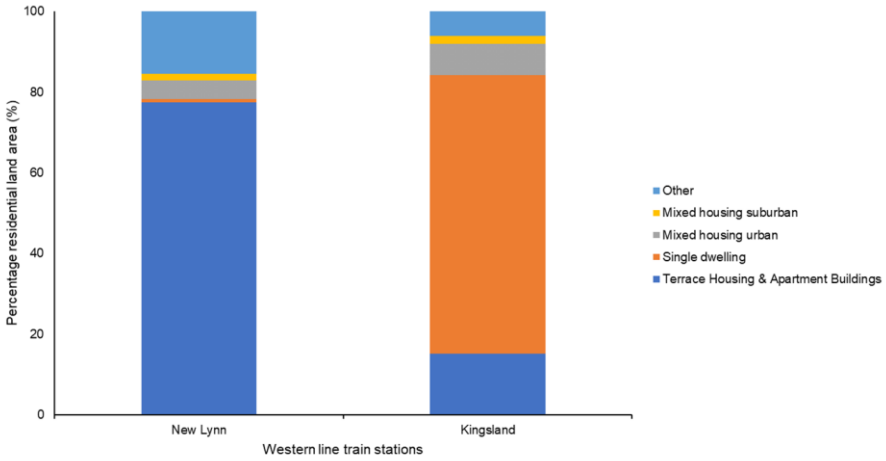
Are we making the most out of our existing infrastructure?



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Congestion and living costs drive discretionary income down and price out new entrants

Source: PwC

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A digital age

How will our infrastructure adapt?

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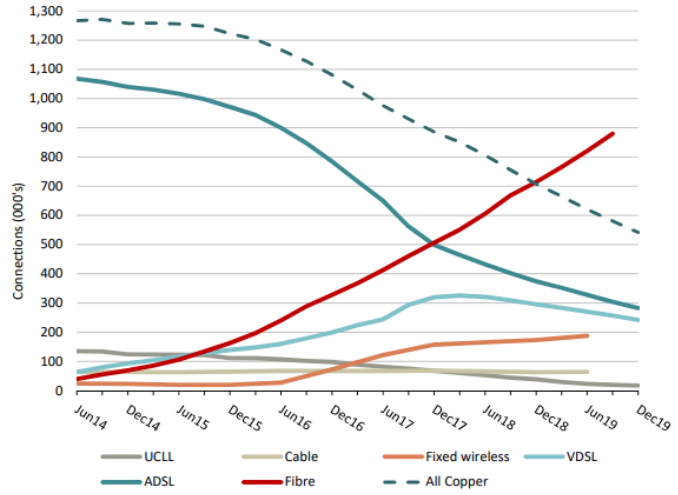
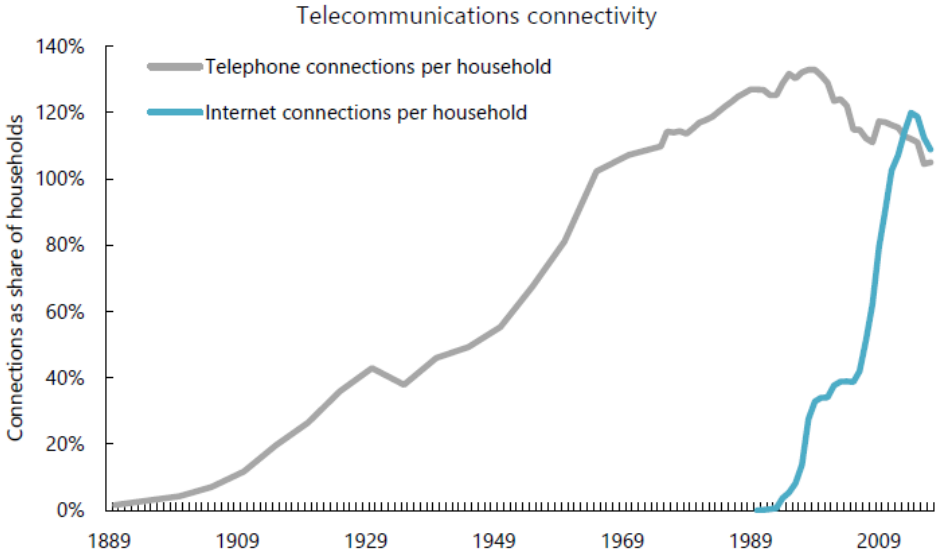
Technological change is occurring with speed

How are we positioned to keep up?

Figure 1: Fixed-line broadband connections by technology



Source: Chorus, MBIE, annual telecommunications questionnaire



Source: Sense Partners

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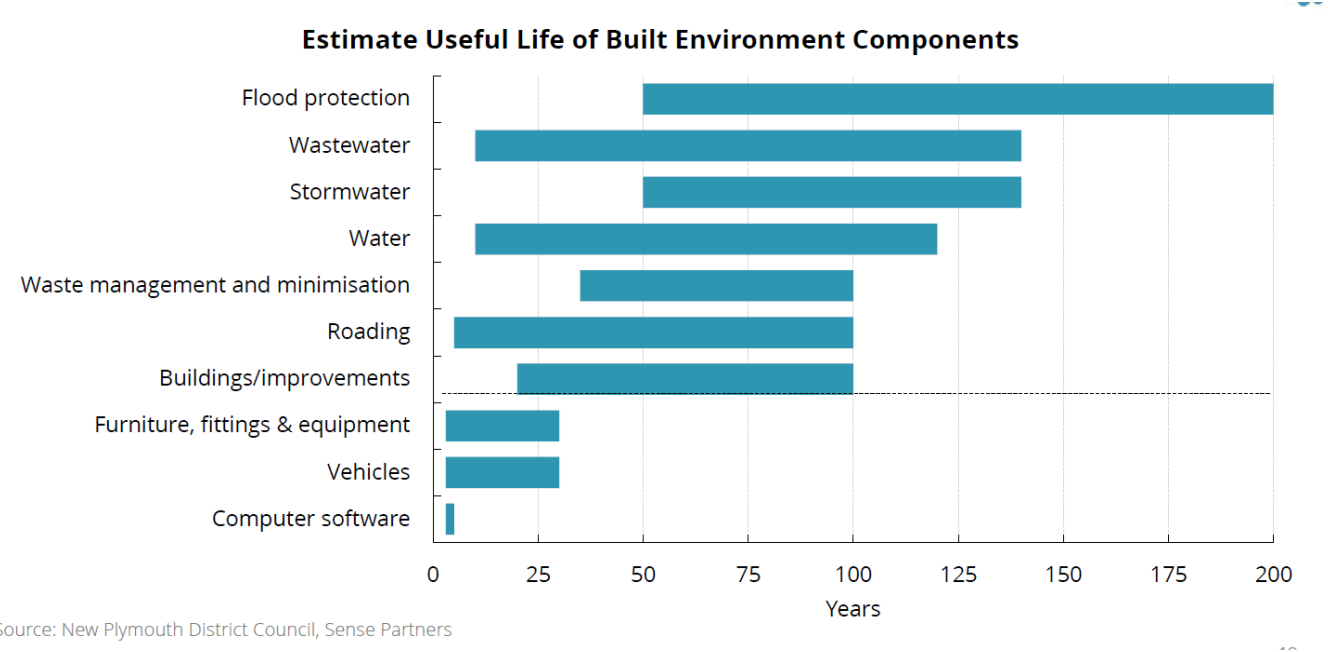
Long-term infrastructure

Today's infrastructure decisions will persist for decades



Source: New Plymouth District Council, Sense Partners

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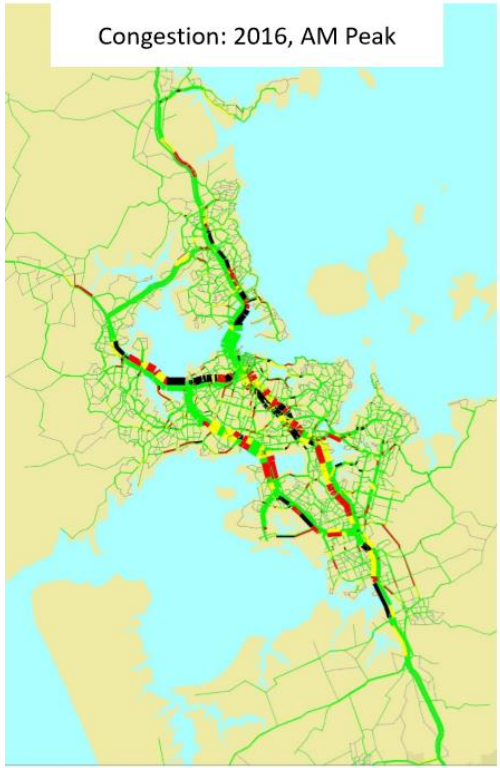
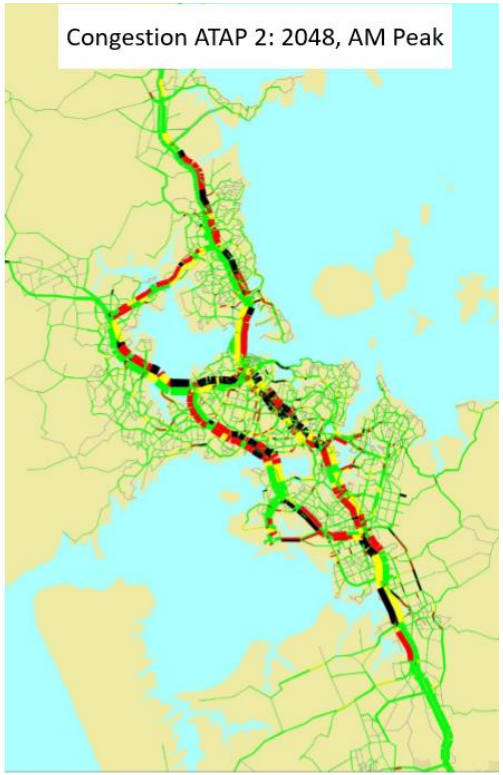
What about non-built infrastructure solutions?





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What about non-built infrastructure solutions?

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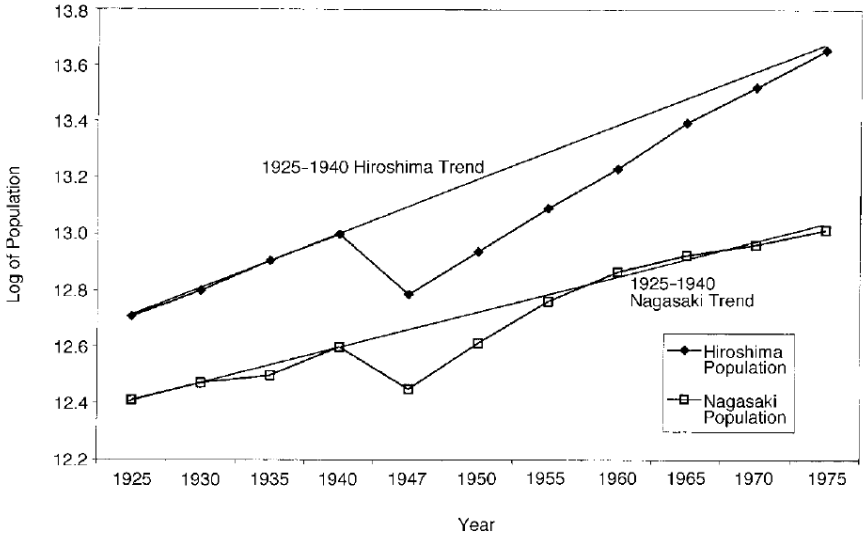
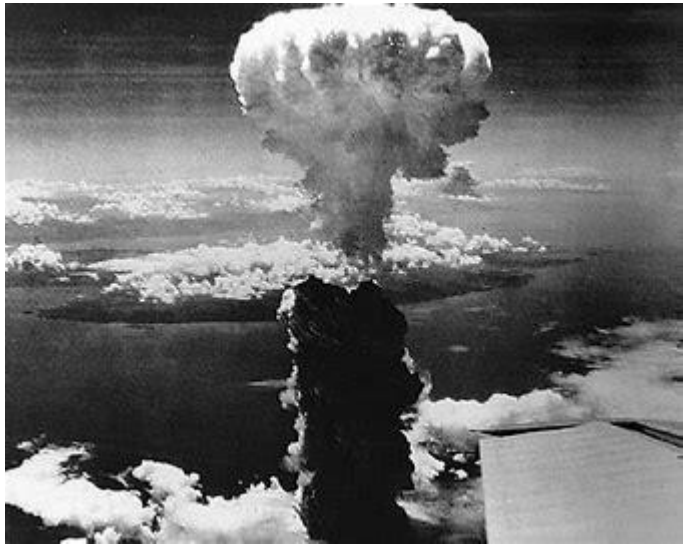
The impact of COVID-19 and density

Path dependence vs increasing returns





Source: Davis & Weinstein

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Dealing with distribution: Who gains? Who pays?

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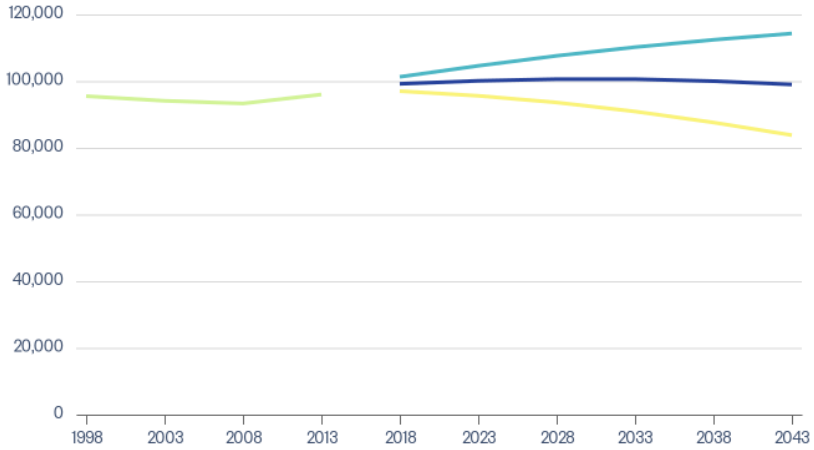
Infrastructure in declining towns

What role can infrastructure play in economic resurgence?

Population projection – Southland Region



Source: Figure.NZ, Statistics New Zealand

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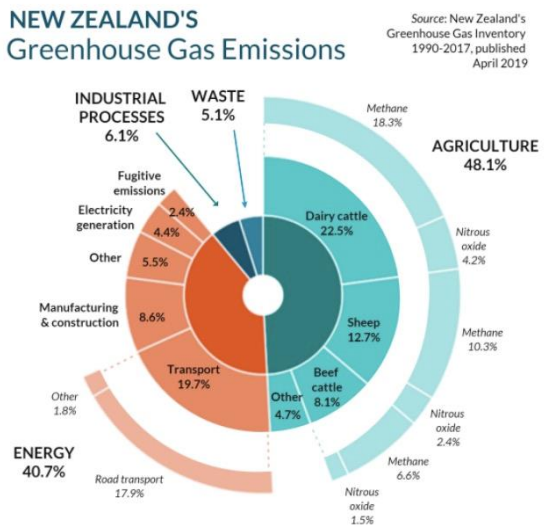
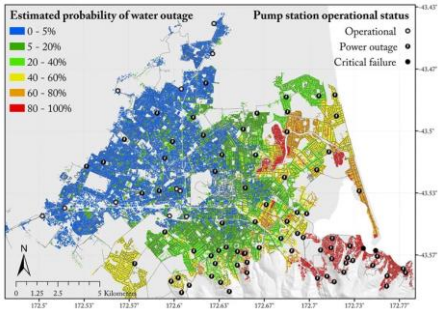
Climate change and resilience in infrastructure planning





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Setting this scene: key questions for you

- Opportunities: What do you see as the potential opportunities in the medium term (1-10 years)?
- Barriers: What do you see as the potential challenges in the medium term (1-10 years)?
- System wide: What are you seeing as system wide issues facing NZ now and into the future?
- What potential recommendations could Infracom include in the 30-year Infrastructure Strategy?

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