

Building back better

Green Building Summit
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SENSE PARTNERS

DATA LOGIC ACTION

The future of the green economy



CRISIS



ACTION

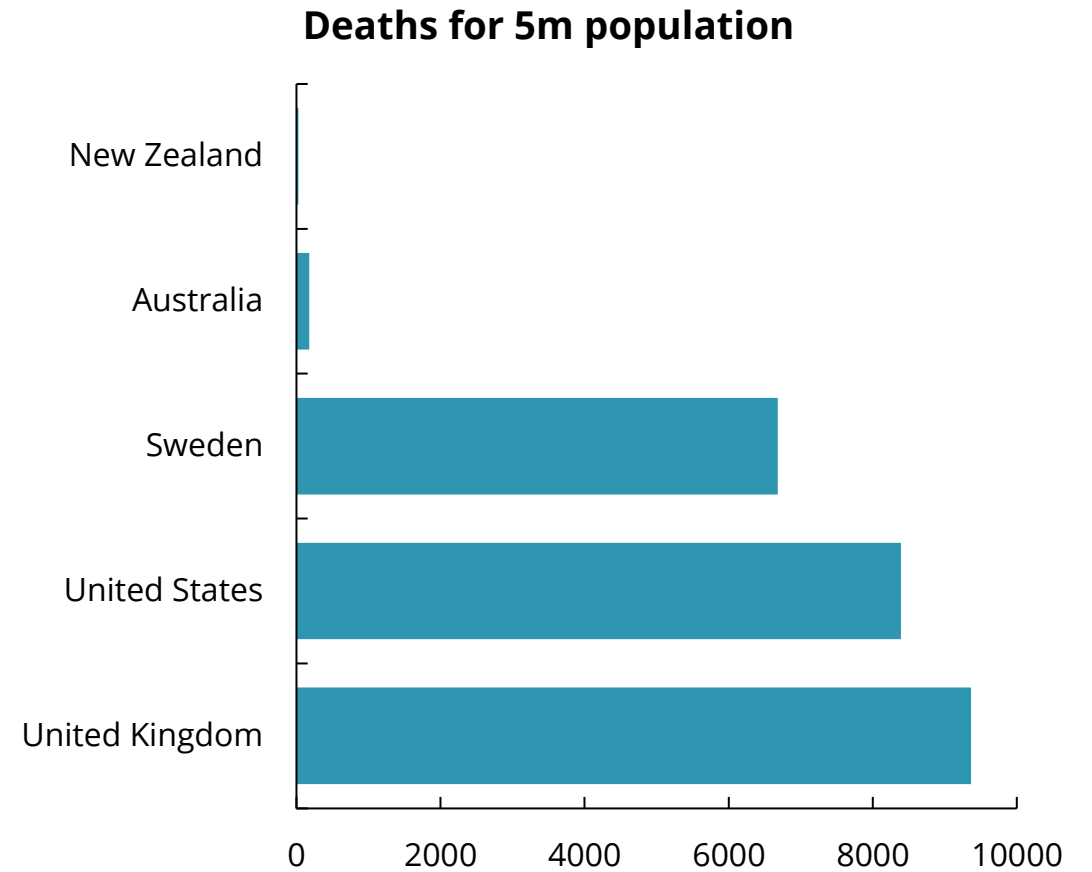
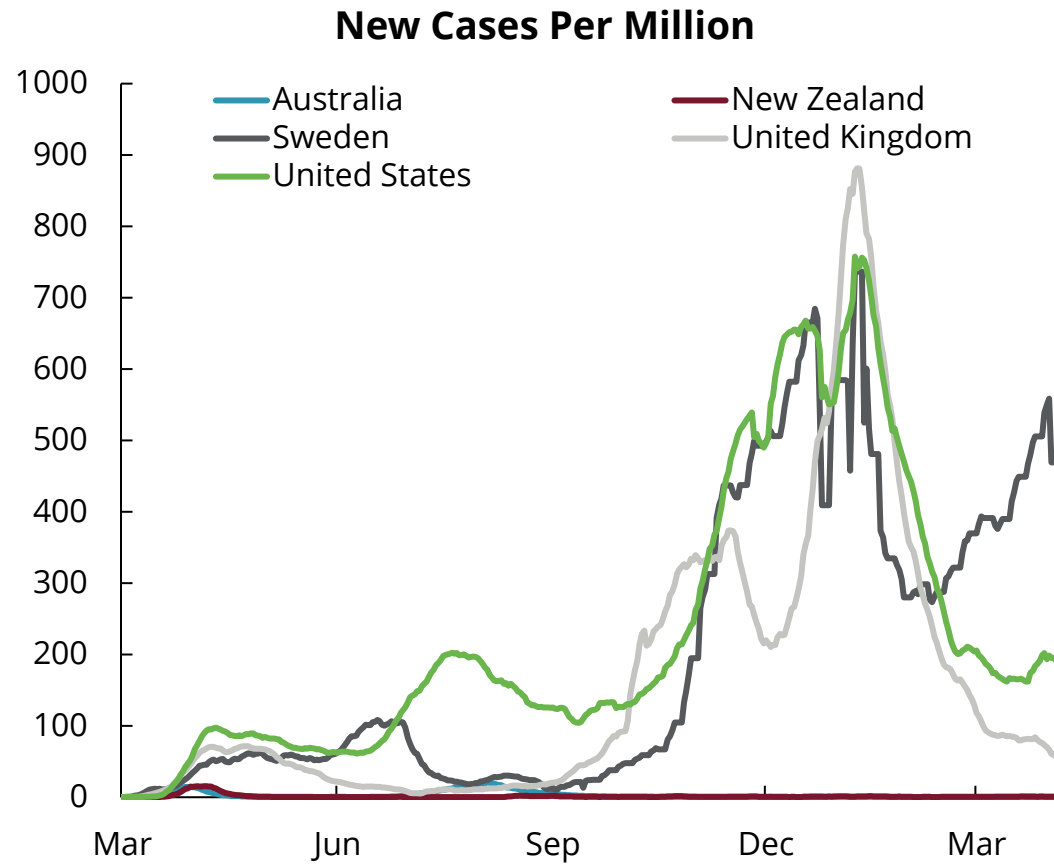


RESULTS

Crisis: Pandemic

Bold and urgent action

Pandemic

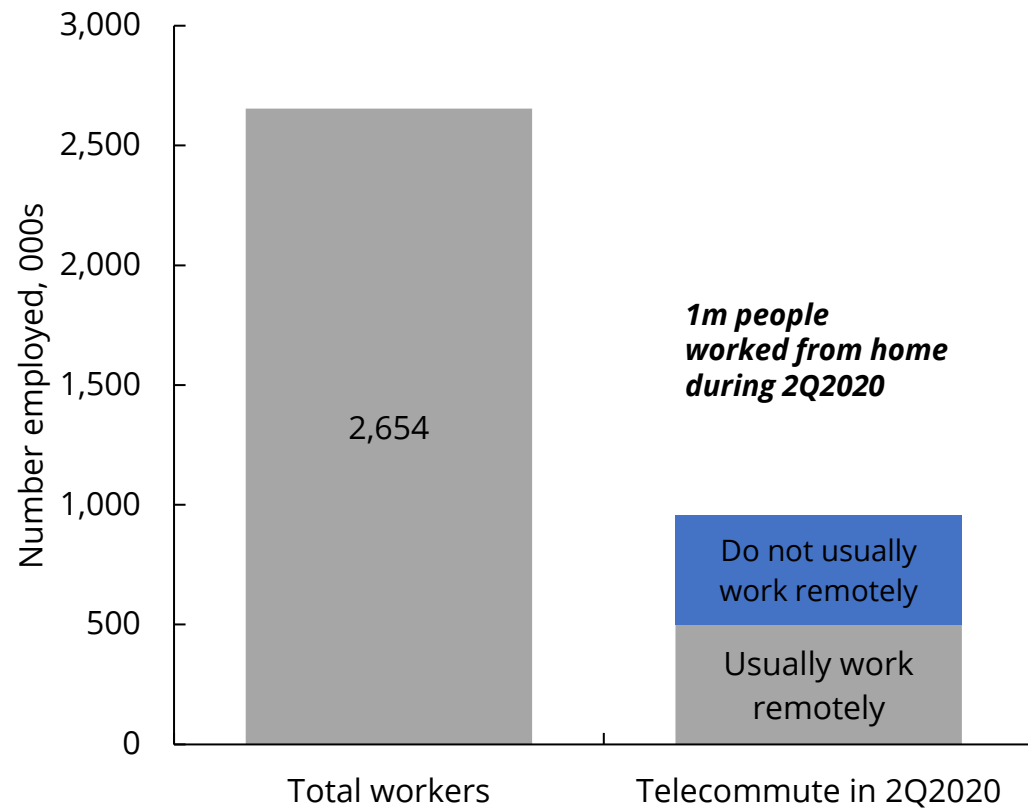


Source: Our World in Data

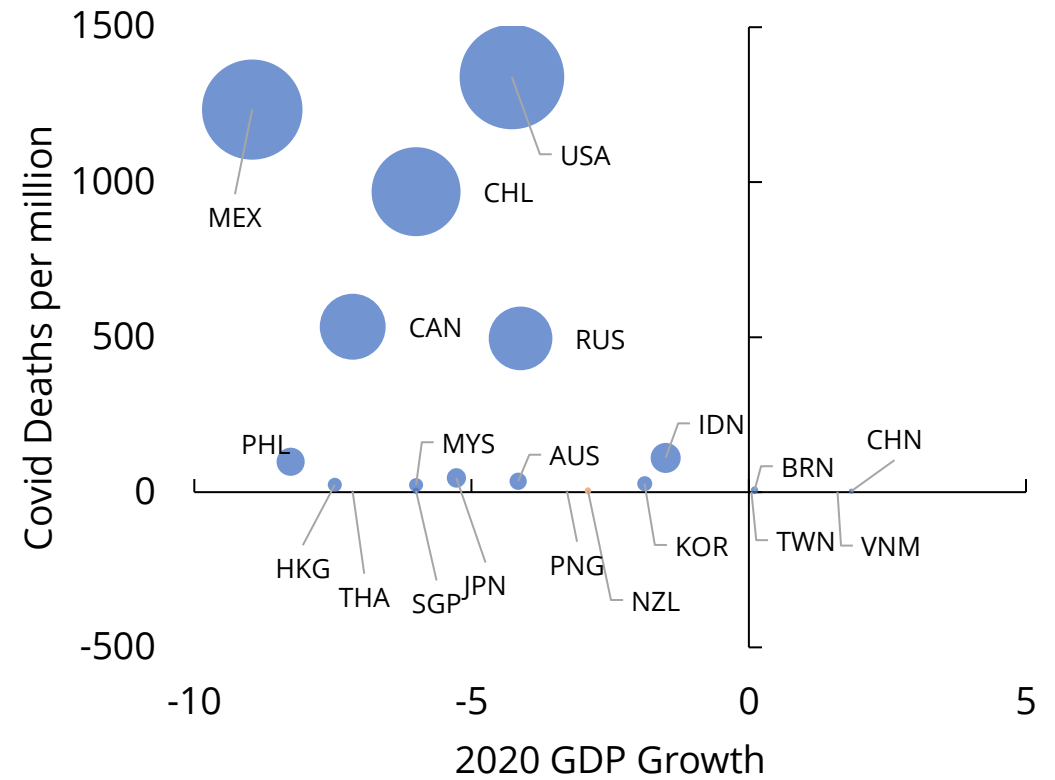
Source: Our World in Data, Sense Partners

Adaptation & return to normal

Telecommute workers



GDP Growth 2020 & Covid Deaths



Source: Statistics NZ, Sense Partners

Source: Our World in Data, Statistics NZ, Sense Partners

Unprecedented response



Central banks are acting

Near zero interest rates

Asset purchases (quantitative easing,
including local debt)

But losing relevance



Governments unleash \$\$\$

Stimulus to support households &
businesses

Infrastructure spend

More interventionist approach

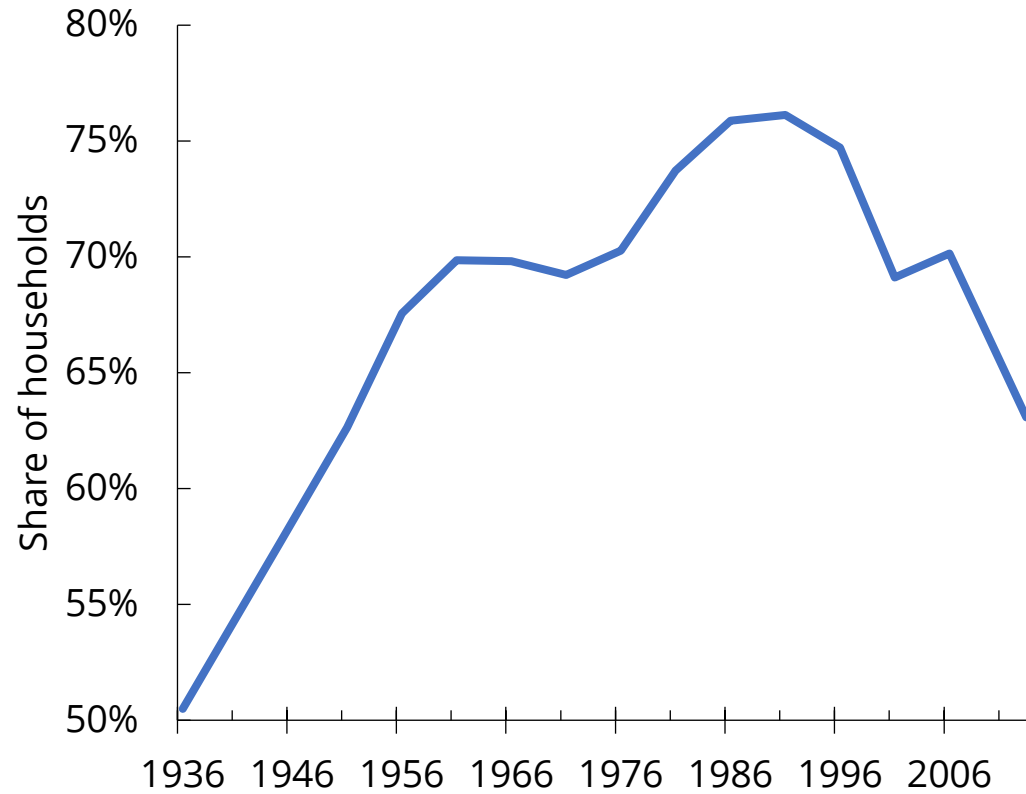
Key economic manager

Crises: Climate Change; Housing; inequality...

Slow and cautious

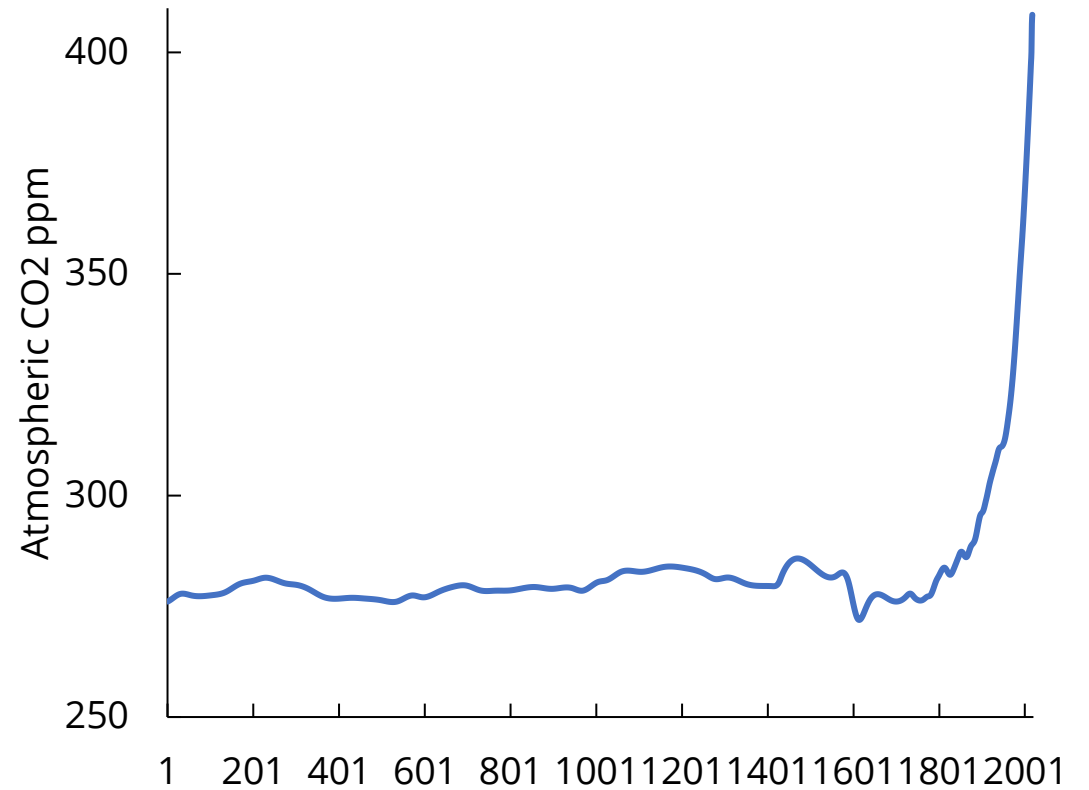
Crises

NZ home ownership rate



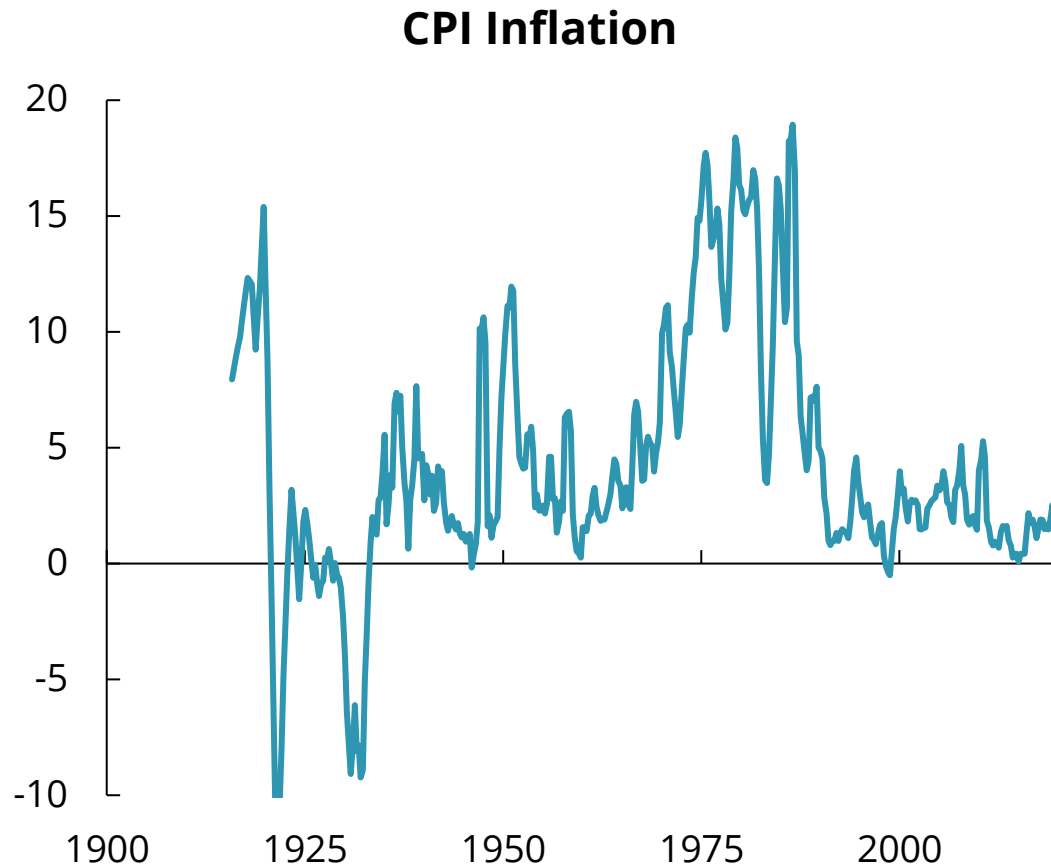
Source: Eqaub & Eqaub (2015, updated) "Generation Rent" BWB Texts

Atmospheric CO2



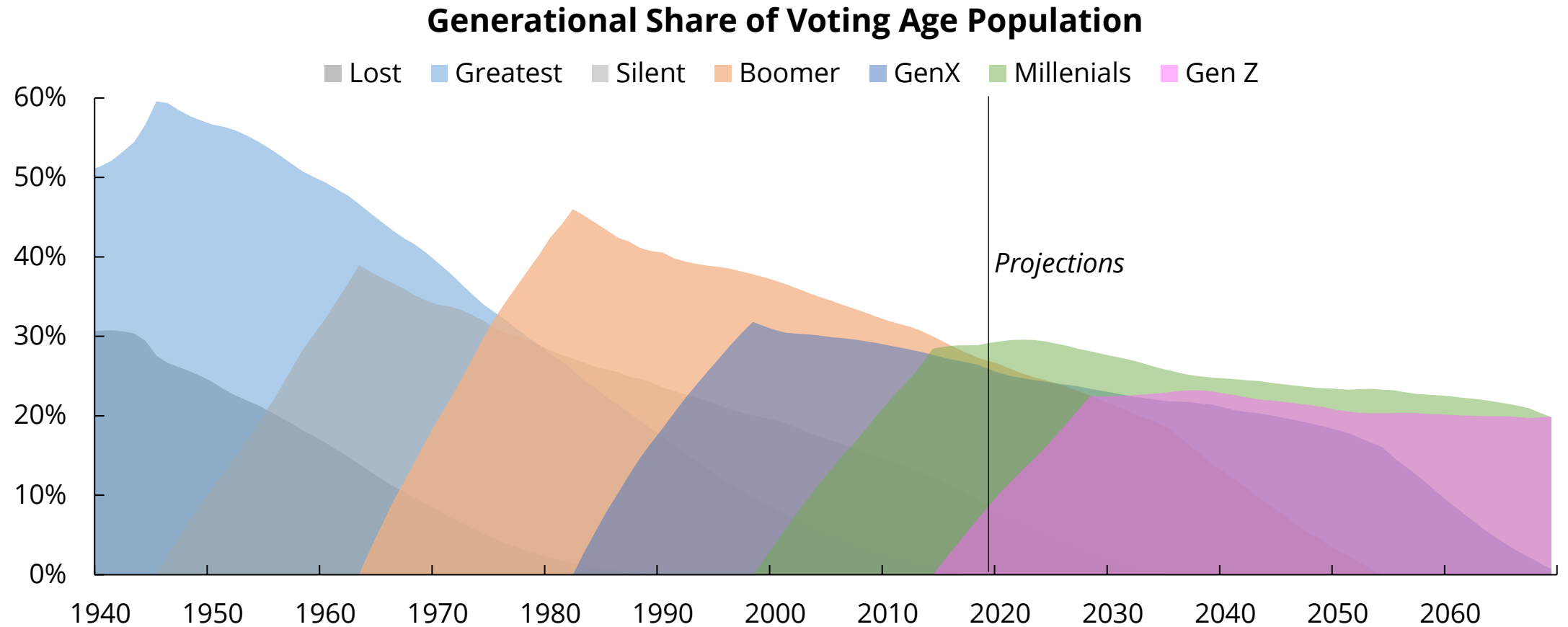
Source: Scripps CO2 Program, NOAA

Regime change



- Great Depression: Social democracy & welfare state
- Exchange rate crisis: monetarism
- Oil shocks & stagflation: neoliberalism & independent central bank
- GFC & Pandemic: nation building?

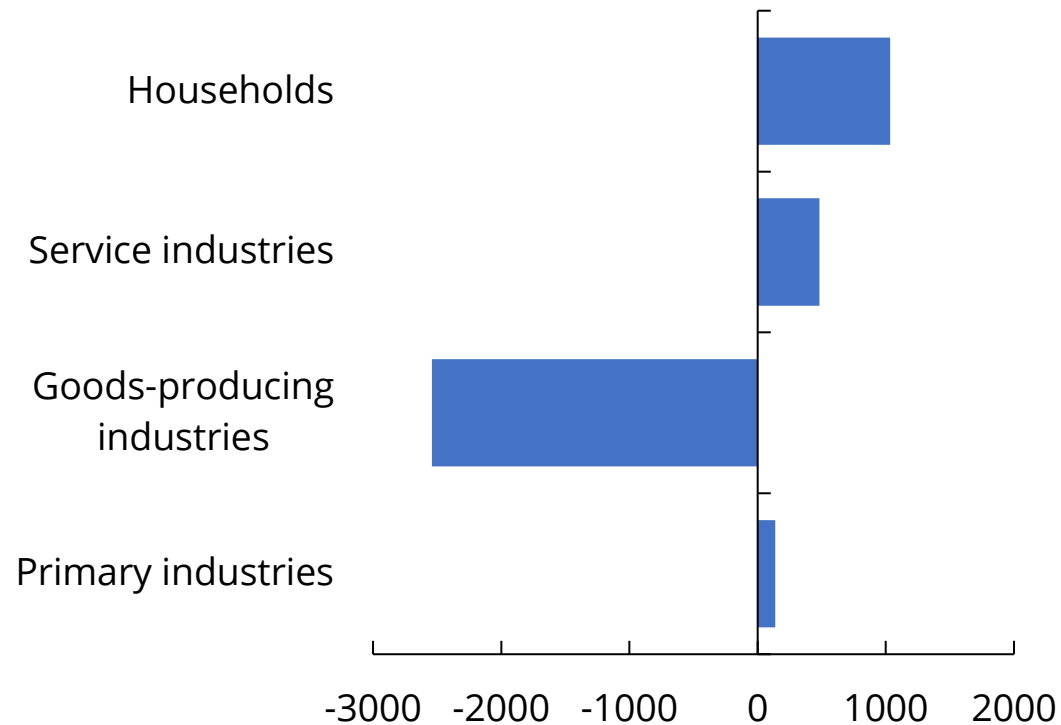
Political consensus harder to reach



Source: Statistics NZ, Sense Partners

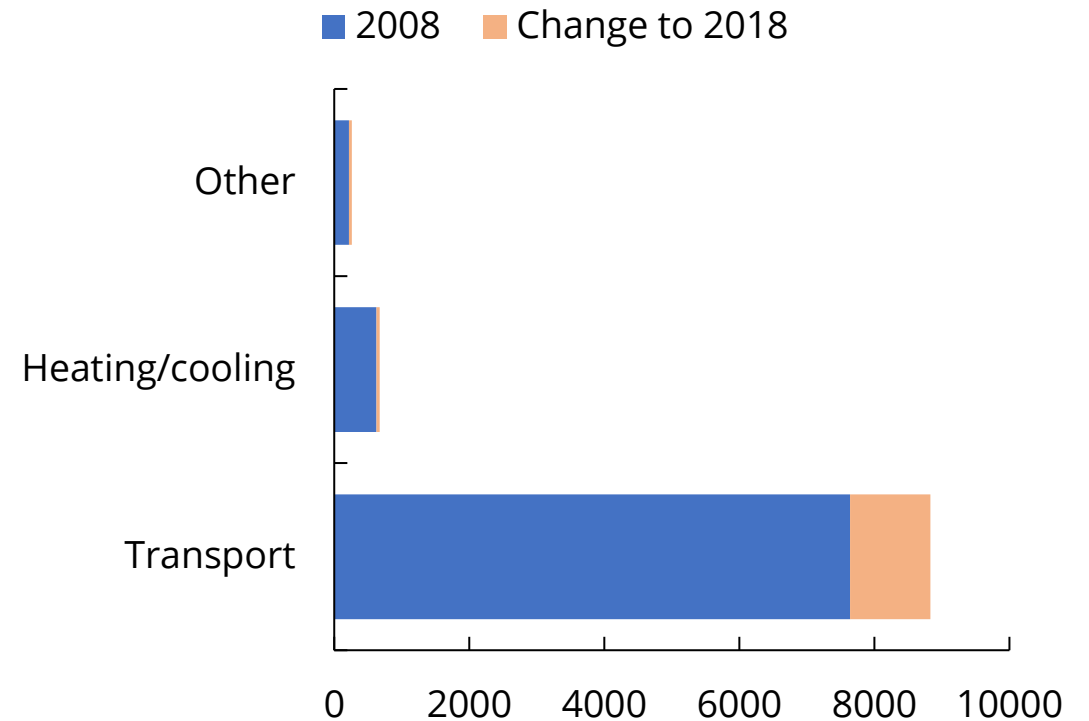
Climate, housing and transport overlap

Emissions change 2008-2018
(Carbon dioxide equivalent)



Source: Statistics NZ, Sense Partners

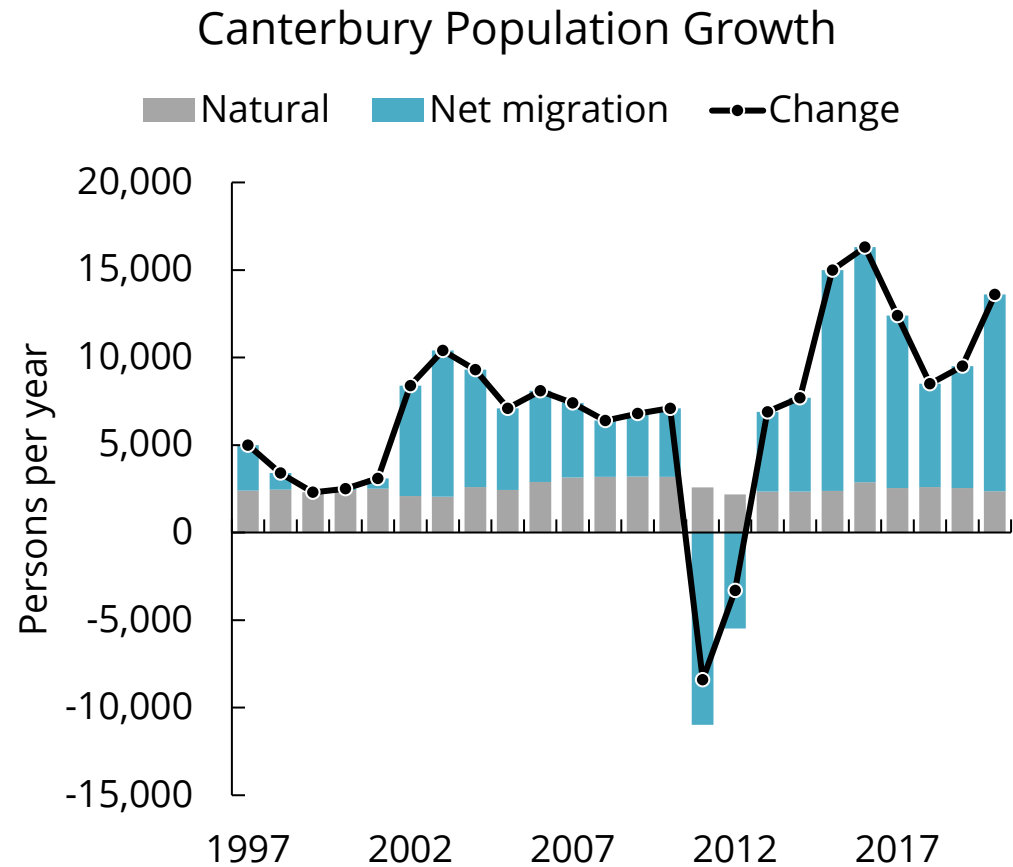
Household emissions 2018
(Carbon dioxide equivalent)



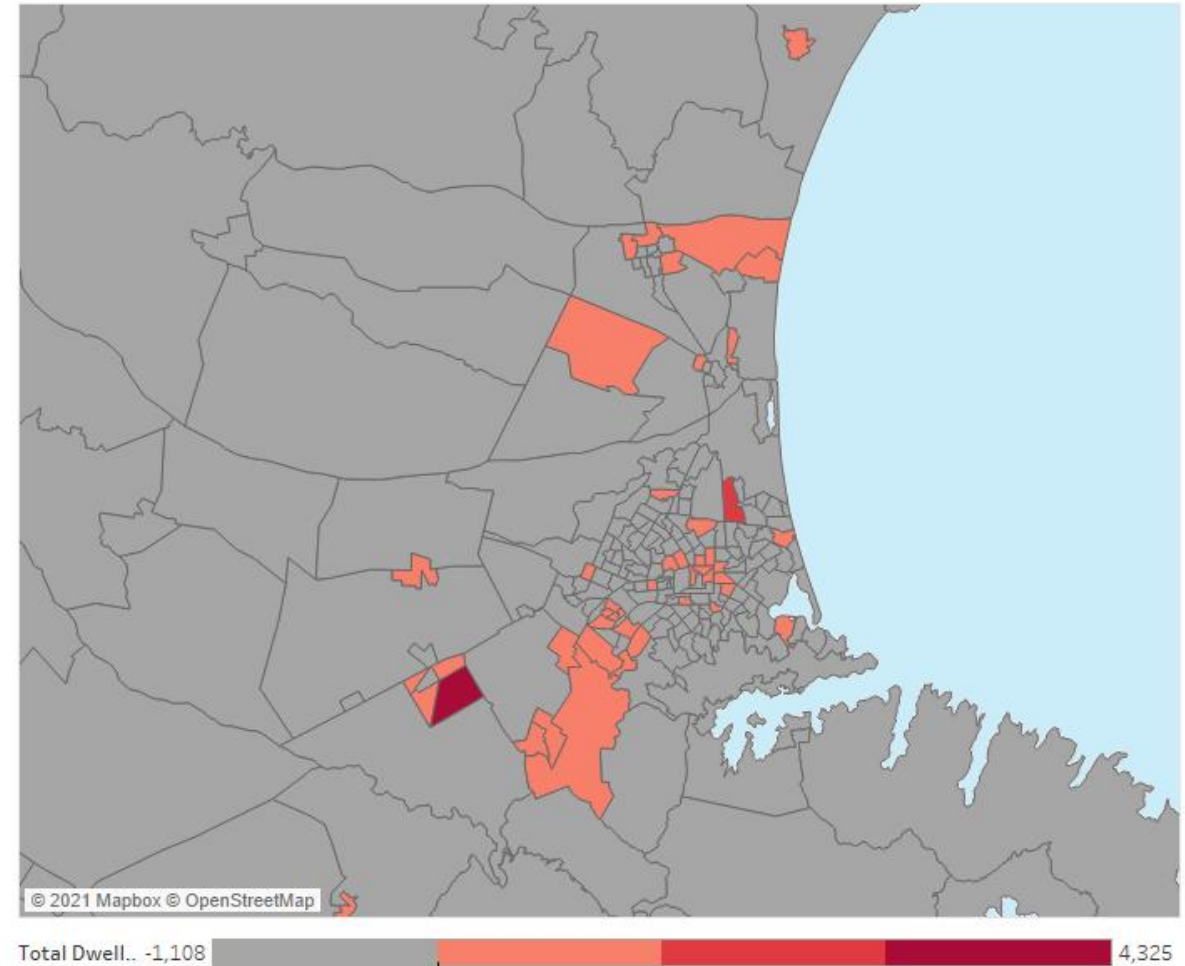
Source: Statistics NZ, Sense Partners

Lessons from rebuilding Canterbury

Dwelling Consents 2010-2020



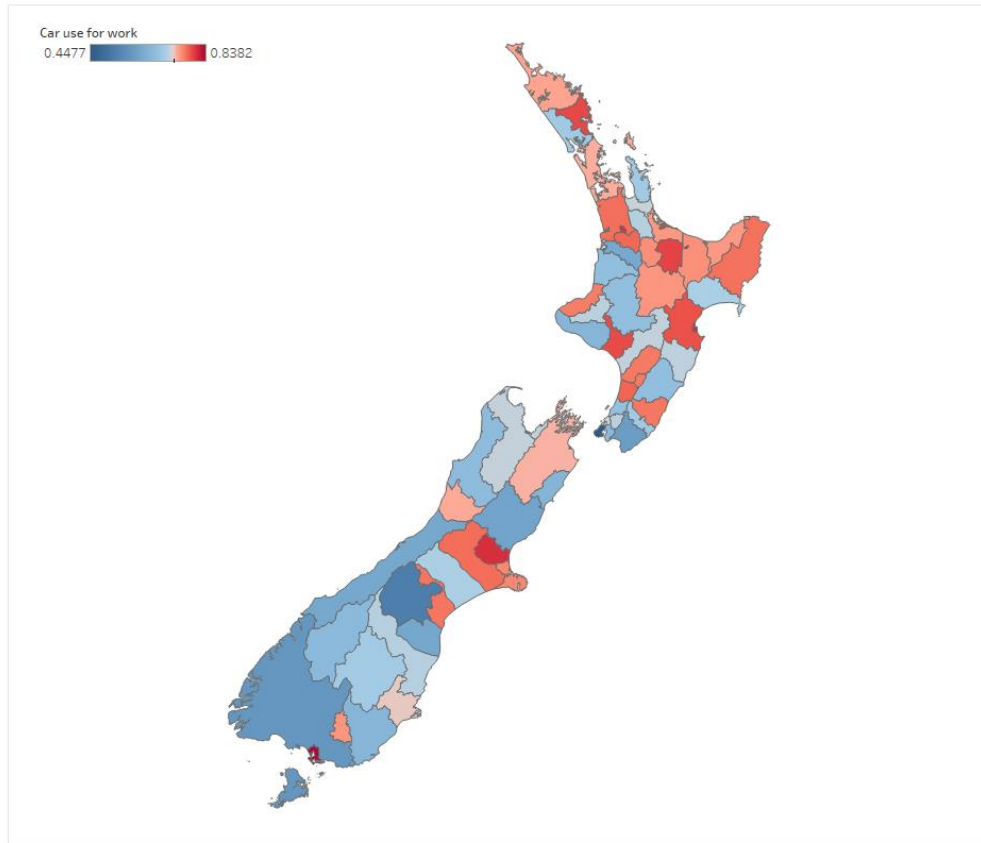
Source: Statistics NZ, Sense Partners



Source: Statistics NZ, Sense Partners

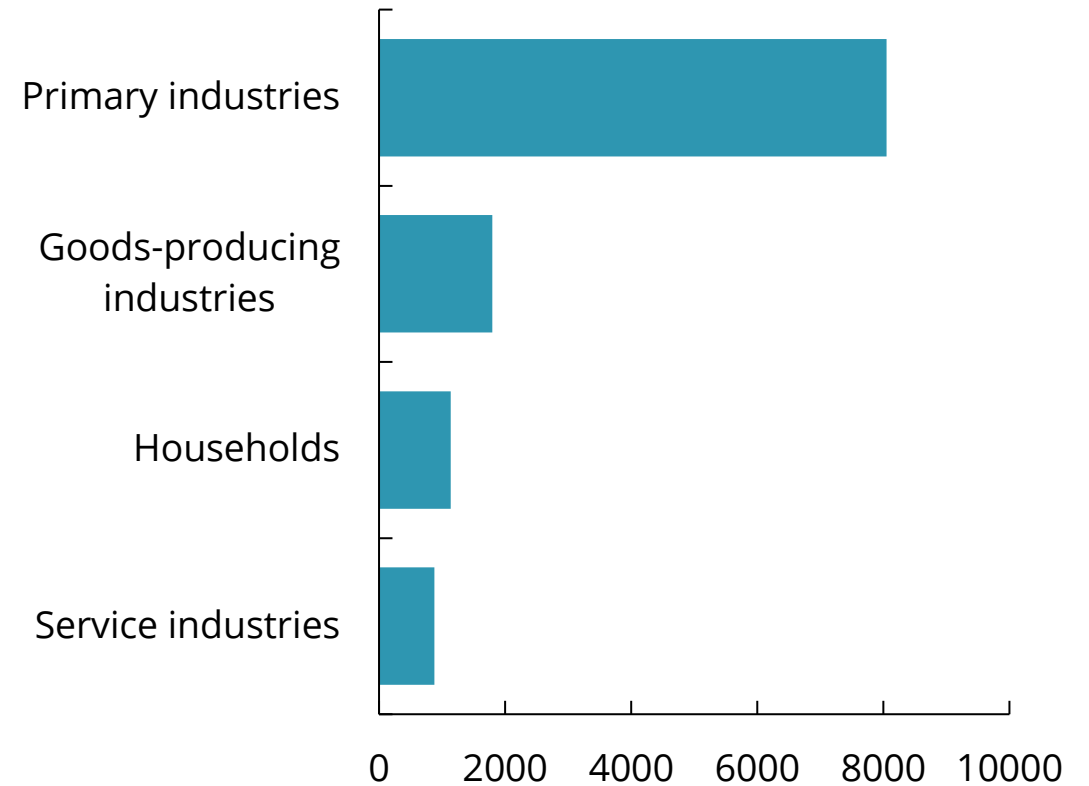
Locked in bad habits

Car use for work, % of workers, 2018



Source: Statistics NZ, Sense Partners

CO2 Equivalent Emissions (Canterbury)



Source: Statistics NZ, Sense Partners

Lessons to build back better

Climate change must cut across every policy/decision

Where and how we live critical

Nation building lens

- Rules and regulations
- Co-ordination
- Coherence
- Money
- Mitigation.
- Certainty/durability

Thank You.

