



Inter-disciplinary Programme 2 Thriving Residential Communities

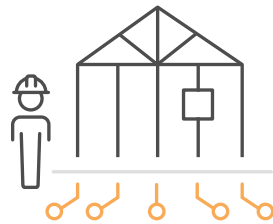


Te Hiranga Rū | QuakeCoRE
Aotearoa New Zealand Centre for Earthquake Resilience



Legal, planning
and insurance
frameworks

+



Engineering
and technological
systems

+



Understanding
of residential
vulnerability and
societal expectations

=



Identification
of challenges
and solutions



Resilient housing
and infrastructure

Identifying the factors hampering residential resilience so that challenges can be overcome to create communities who thrive after earthquakes.

Learnings from the Canterbury Earthquakes demonstrate the costly impacts, both socially and economically, of damage to houses, highlighting the need for better resilience.

Aotearoa New Zealand's housing shortage provides an immediate opportunity to improve the earthquake resilience of its new and existing residential buildings.

Research Areas

- Legal frameworks and planning for thriving residential communities
- Earthquake insurance for residential communities
- Understanding and reducing the vulnerability of New Zealand housing stock
- Seismic performance expectations
- Resilient infrastructure for residential communities
- Foundation systems
- Low-damage systems for traditional housing
- Resilient medium-density housing solutions

Programme Area Leaders:

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