



RESILIENCE
TO NATURE'S
CHALLENGES

Kia manawaroa
– Ngā Ākina o
Te Ao Tūroa

National
SCIENCE
Challenges



QuakeCoRE
NZ Centre for Earthquake Resilience

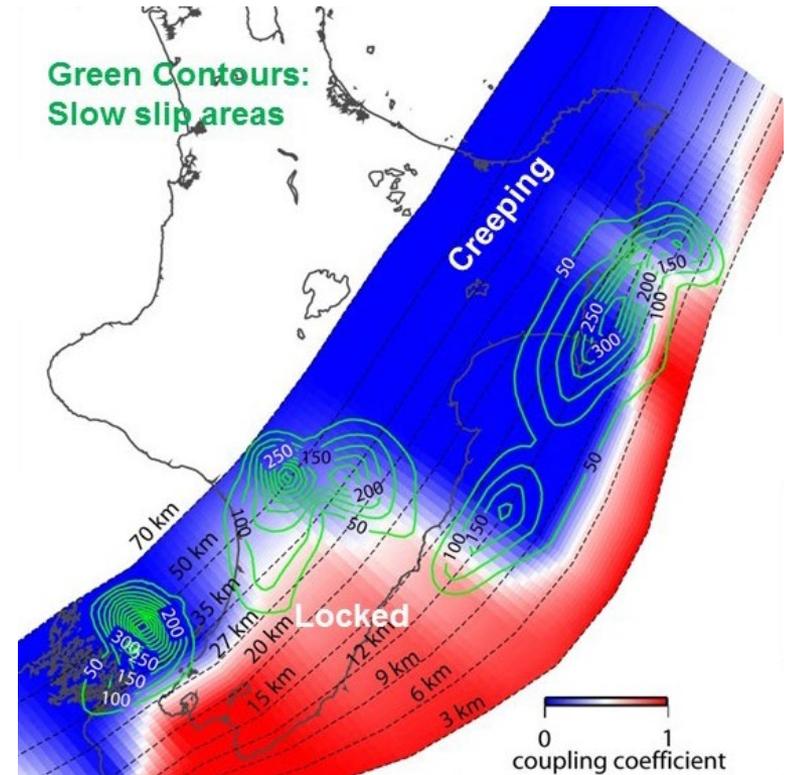
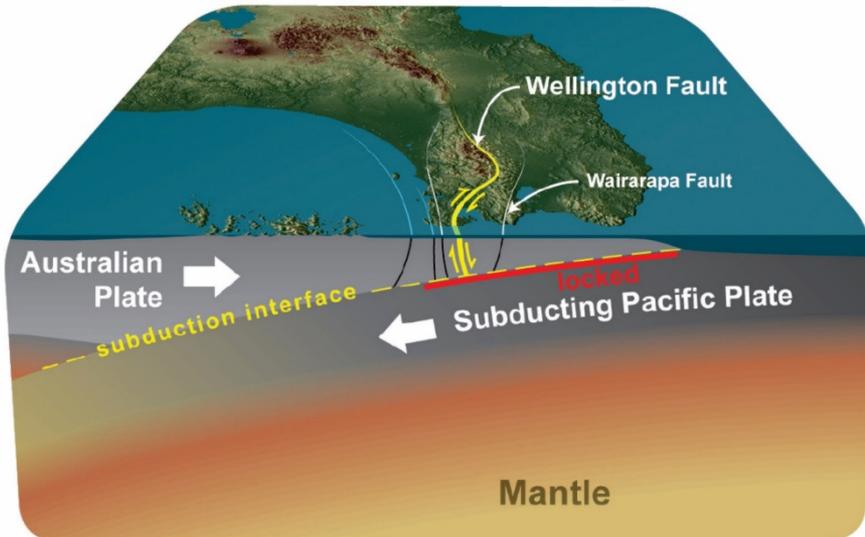
Communication, education and behaviour: examples of New Zealand research efforts

David Johnston

Massey University, Wellington
New Zealand



How to you build a resilience city?



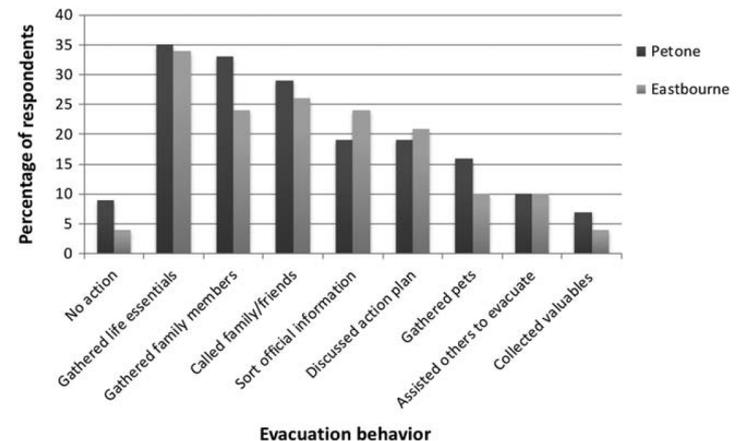
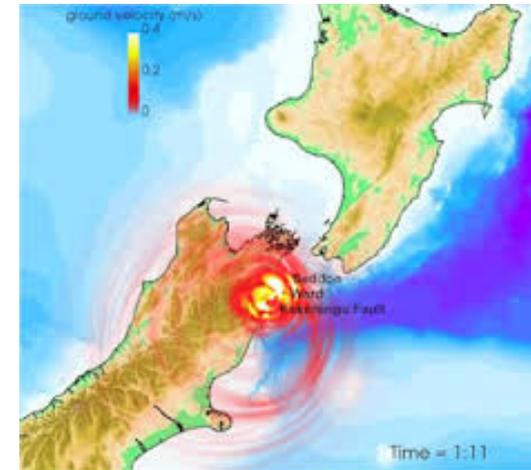
A Citizen Science Initiative to Understand Community Response to the Kaikōura Earthquake and Tsunami Warning in Petone and Eastbourne, Wellington

Investigation

- Survey of Petone and Eastbourne residents, using a citizen science approach to understand tsunami response and evacuation behaviors.

Key outcomes

- Only 11% evacuated because of the earthquake.
- Emphasize the need to engage communities to enhance capacity to respond appropriately to both natural and agency-generated tsunami warnings.



Future: opportunities and challenges

- Outsmarting future events



OUR RESEARCH CONTRIBUTES
 TO OTHER IMPORTANT WORK



MCDem's Project AF8 a collaborative effort to save lives by planning and preparing a coordinated response across the South Island after a severe earthquake on the Alpine Fault.



MCDem's Hikurangi Response Plan - Developing a coordinated response to a major subduction zone earthquake & tsunami event to assist and enhance community resilience across the North Island's East Coast.



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Te Hiranga Rū

Thank you!

www.quakecore.nz

