

Built Environment: Horizontal Infrastructure

Monthly Meeting

12/10/2020

Summary

- Introductions
- Presentation: “An overview of NZs first National Climate Risk Assessment” – James Hughes & Rob Bell
- Presentation: “New Zealand Critical Lifelines Infrastructure National Vulnerability Assessment” – Roger Fairclough
- Highlights and Discussion
- Other items

Highlights

QuakeCoRE

- Centre of Research Excellence Success
- Funding from 2021-2028
- Theme: Resilience of NZ's transport system

Alpine Fault quake would cut off West Coast, cause highway havoc

8 Oct, 2020 01:38 PM

© 7 minutes to read



The disruption to transport networks caused by 2016's Kaikoura Earthquake gave a taste of the disruption expected from an Alpine Fault earthquake. Photo / Nelson Marlborough Rescue Helicopter



By: **Jamie Morton**

Science Reporter, NZ Herald

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@Jamienzherald



A new model has simulated the disruption a major Alpine Fault earthquake would have on the South Island's transport network - cutting off the West Coast for at least a week.

The fault, which runs about 600km up the western side of the South Island between Milford Sound and Marlborough, poses one of the biggest natural threats to New Zealand - especially the West Coast, Canterbury and Otago.



QuakeCoR

NZ Centre for Earthquake Resilience
Te Hiranga Rū

CE
RE'S
GES

Kia manawaroa
– Ngā Ākina o
Te Ao Tūroa

Auckland Harbour Bridge: Experts say incident shows need for new infrastructure ▶

Jackson Thomas · 11:26, Sep 22 2020



Fellow engineering academic Dr Theuns Henning from the University of Auckland said while Friday's incident had frustrated commuters, it could have been much worse.

"The Auckland Harbour Bridge is well maintained and the right protocols are in place for strong winds – the consequences could have been much worse had an efficient infrastructure maintenance plan not been in place," he said.

"This reinforces the importance of investing in infrastructure, as the consequences of losing the full use of critical infrastructure has significant implications."

Papers & Highlights

- Send through recently published papers
- Highlight at end of monthly meetings

Other Items

Should I stay or should I go now?

<https://event.webinarjam.com/register/17/xq23msz>



Join us at 5pm NZT

Even with the global sharing of data and sophisticated satellite systems that can flash messages around in the world in seconds – why do early warning systems still fail?

It's because information is only useful if you understand what it means and know what actions and decisions to make.

Even the most sophisticated models and advanced early warning systems will be rendered ineffective if information isn't communicated clearly, timely, and the recipients don't know what to do with it.

The same applies to COVID-19 and other hazards risk reduction: the ability to successfully communicate natural hazard forecasts to at risk communities and stakeholders is crucial.

Different government responses towards COVID-19 demonstrate that communicating risk, clarity of roles and information, and the inclusion of the full range of multi-disciplinary experts who understand people's behavioural drivers in a crisis and their social settings is critical in designing and implementing effective risk communication frameworks.



Helen Clark

Global Leader in Sustainable Development and Gender Equality, Former Primer Minister of New Zealand



Lisa Robinson

Head of Advisory, BBC Media Action



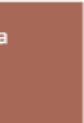
Loretta Hieber-Girardet

Chief of Regional Office for Asia and the Pacific
United Nations Office for DRR



Bapon Fakhruddin

Technical Director - DRR and Climate Resilience,
T+T



LINZ Workshops - Data for Flood Risk Assessment and Management

- A series of short on-line workshops are being hosted by LINZ to identify key data requirements to support improved flood risk assessment and management in New Zealand.
- Workshop 1: Tuesday 13 Oct 10:00 – 11:30 – RA 1 Flood hazard & RA 2 Risk to the built environment
- Workshop 2: Thursday 15 Oct 13:30 – 15:00 – RA 3 Societal vulnerability & RA 4 Risk-related decision making and planning
- Workshop 3: Monday 19 Oct 11:00 – 12:00 – Summary of findings from workshops 1 and 2

Other Items

- Slack Channel
 - To join:
 - <http://bit.ly/rnc-infrastructure>

Any Other Items?

- Wiki:

<https://wiki.canterbury.ac.nz/display/QuakeCore/Special+Project+1%3A+Spatially-distributed+Infrastructure>