

Built Environment: Horizontal Infrastructure

Monthly Meeting

10/5/2021

Summary

- Introductions
- Presentation: “Intermodal freight transport in the wake of an earthquake: key enablers and existing barriers in New Zealand” – Cécile L’Hermitte
- Presentation: “Droughts and floods in New Zealand: role of Atmospheric Rivers” – Ted Shu
- Highlights and Discussion
- Other items

Papers & Highlights

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

Papers



Journal of Volcanology and Geothermal
Research

Volume 415, July 2021, 107253



Invited Research Article

Simulation of post volcanic eruption land use and economic recovery pathways over a period of 20 years in the Auckland region of New Zealand

Robert Cardwell ^{a, b}  , Garry McDonald ^b, Liam Wotherspoon ^a, Jan Lindsay ^a

Original Paper | Published: 12 February 2021

Projection of future extreme precipitation: a robust assessment of downscaled daily precipitation

[Hoa X. Pham](#) , [Asaad Y. Shamseldin](#) & [Bruce W. Melville](#)

[Natural Hazards](#) **107**, 311–329(2021) | [Cite this article](#)

QuakeCoF **97** Accesses | **9** Altmetric | [Metrics](#)

NZ Centre for Earthquake Resili
Te Hiranga Rū



Challenges

CHALLENGES

Papers

Risk Analysis

AN INTERNATIONAL JOURNAL

An Official Publication of the Society for Risk Analysis

Perspective

The Role of Time in Risk and Risk Analysis: Implications for Resilience, Sustainability, and Management

Tom M. Logan ✉, Terje Aven, Seth Guikema, Roger Flage

Article | [Open Access](#) | Published: 12 March 2021

The impact of atmospheric rivers on rainfall in New Zealand

Jingxiang Shu ✉, Asaad Y. Shamseldin & Evan Weller

Scientific Reports **11**, Article number: 5869 (2021) | [Cite this article](#)

1335 Accesses | **3** Altmetric | [Metrics](#)

2nd Aotearoa New Zealand Symposium on Disaster Risk Reduction

Managing Risk, Accelerating Resilience

19 + 20 October 2021

Te Papa Tongarewa

Te Whanganui-a-Tara | Wellington

GET EMAIL UPDATES

ADD TO CALENDAR



QuakeCoRE

NZ Centre for Earthquake Resilience
Te Hiranga Rū



National
SCIENCE
Challenges

RESILIENCE
TO NATURE'S
CHALLENGES

Kia manawarao
– Ngā Ākina o
Te Ao Tūroa

ACE NZ & IPWEA NZ

- Future-Fit Conference 2021
- 7-9 September 2021
- Auckland
- www.futurefitconference.co.nz

SRA Annual Meeting

- Society for Risk Analysis
- December 5-9th 2021
- Washington DC + Virtual
- Abstracts by 11 June
- https://catalyst.omnipress.com/#event-home/sra_2021

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>