



We can't predict earthquakes but
we can prepare for them

Alice Lake-Hammond // AF8 Communication Lead

Infrastructure Research Day – Thursday 17th October

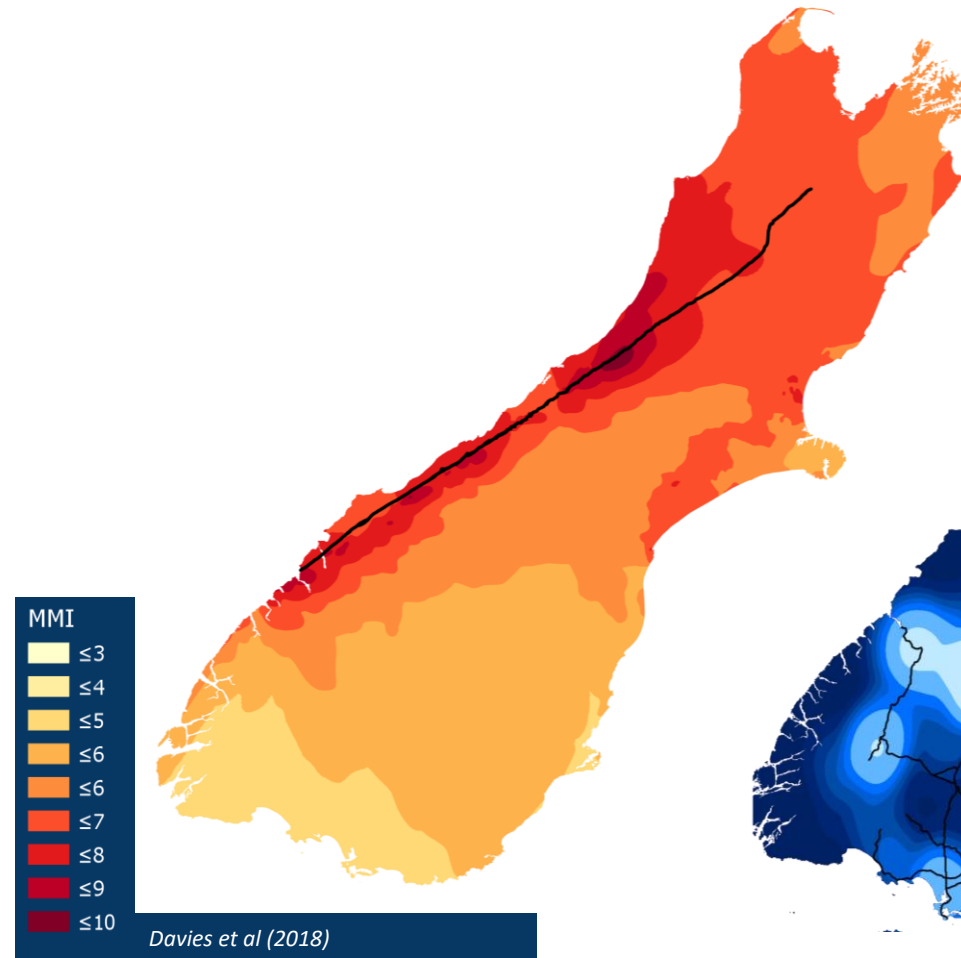
Understanding Exposure of Disaster Risk to Transient Populations

Mat Darling
PhD Student, University of Canterbury

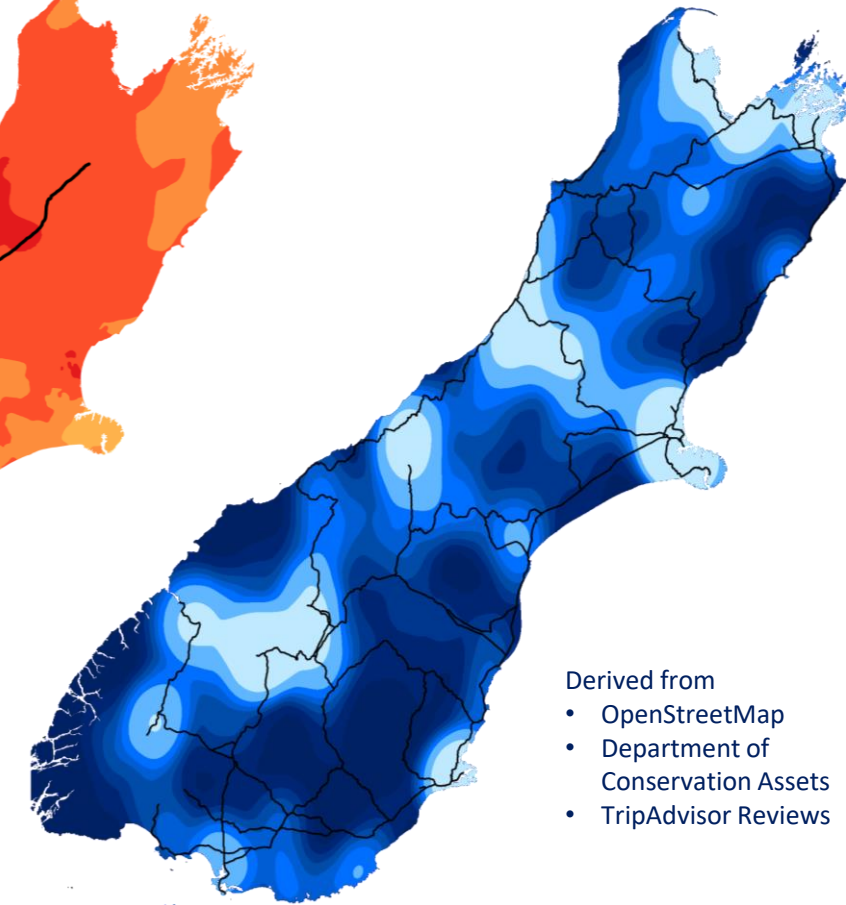
Supervisors: Ass. Prof. Thomas Wilson,
Dr. Caroline Orchiston, Dr. Ben Adams,
Prof. Brendon Bradley

- how existing data are used by decision makers,
- and what gaps exist in data availability;
- to better inform risk modelling with respect to transient populations.

AF8 S2N Scenario



Points of Interest



- Derived from
- OpenStreetMap
 - Department of Conservation Assets
 - TripAdvisor Reviews



QuakeCoRE
NZ Centre for Earthquake Resilience
Te Hiranga Rū



RESILIENCE
TO NATURE'S
CHALLENGES

Kia manawaroa
– Ngā Ākina o
Te Ao Tūroa

National
SCIENCE
Challenges

Modelling post-disaster habitability, displacement, and population needs

Finn Scheele
PhD Student, University of Canterbury

Supervisors: Ass. Prof. Thomas Wilson,
Dr. Julia Becker, Nick Horspool

→ the potential of modelling for assessing habitability, human displacement and the needs of populations using existing data.

→ Buildings

→ Populations

→ Demographics



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National
Science
Challenges

Tourism preparedness and resilience for a future Alpine Fault earthquake: a quantitative analysis

Moriah Osborne
Masters Student, University of Otago

Supervisor: Dr. Caroline Orchiston

- This research builds on a quantitative survey conducted ten years ago
- Assessing changes in preparedness and resilience amongst tourism operators in the Southern Alps.

+1 PhD

In the final stages of recruiting a PhD student through RNC Rural Tourism and emergency management communication and connections to improve response capacity and capability.

Due to start early 2020.



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Evaluating AF8

Collecting feedback on the AF8 project to be used to inform future AF8 research needs and our outreach and engagement initiatives.

After attending the Tourism Forum:

Nearly all, >90% indicated they were probably or extremely likely to take steps to prepare for an AF8 event: personally, in their community and/or at work.





SAFER

SOUTH ISLAND / TE WAIPONAMU
ALPINE FAULT EARTHQUAKE RESPONSE

FORUM

23 October 2019 | Nelson

