



AF8 Roadshow

The Science Beneath Our Feet



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Connecting South Island regional communities with leading scientific research of our Alpine Fault, the AF8 Roadshow brings together students, scientists and Civil Defence Emergency Management (CDEM) in a conversation about the Alpine Fault earthquake hazard.

Project partners: South Island CDEM Groups, University of Otago, University of Canterbury, GNS Science and QuakeCoRE.

Aim

The aim of the AF8 Roadshow is to provide South Island communities and schools, in areas most likely to be affected by an AF8 earthquake, with direct access to Alpine Fault science and hazard impact information relevant to them and their region.

By sharing Alpine Fault hazard science, this project aims to equip the next important generation of decision makers in the Alpine Fault region with the knowledge and interest to engage with the science behind an AF8 earthquake and what that will mean for their community.

Why

While we can't predict when earthquakes will occur, scientific research has shown that the Alpine Fault has a history of generating regular, large earthquakes. The next event is likely to occur within the lifetime of most of us, or our children and young people, for whom this is likely to have major short and long-term impacts. It is vital that all community members not just understand the geology underneath their feet but also what science has to say about how to respond in the event of a large earthquake occurring, so we can prepare and take action.

The AF8 Roadshow will visit communities in areas most likely to be affected in an AF8 event, providing them with an opportunity to engage with, and share, earthquake science that is relevant to them and their region. Specifically:

- What scientists and CDEM know, but people don't usually encounter in everyday-life - things like geology, hazards and impacts; and,
- How science informs CDEM planning and communication about the best way to respond as an individual and as a community following a disaster.

How

In each location, the AF8 Roadshow programme will include a schools session during the day and a public science talk in the evening.

- The schools session will be 1hr long and targeted at NZC Levels 4-6 (see page 2 for details).
- The public science talk will be open to all.

Science + CDEM

The AF8 Roadshow leverages the close working relationship between science and CDEM, demonstrating the value of collaboration in strengthening our collective resilience to an AF8 hazard event. The school sessions will be run in collaboration with local CDEM Emergency Management Officers in each region.

Timeframe

In order to reach communities in each of the 6 South Island Civil Defence regions the AF8 Roadshow will be run in 3 legs.

Leg	School	Location / Region	Date
Southland and Otago Leg Dates: 25th-29th March	Fiordland College	Te Anau, Southland	Tue 26/03
	Wakatipu High School	Queenstown, Otago	Wed 27/03
	Mt Aspiring College	Wanaka, Otago	Thu 28/03
West Coast Leg Dates: 1st-5th April	South Westland Area School	Hari Hari, West Coast	Mon 01/04
	Westland High School	Hokitika, West Coast	Tue 02/04
	Greymouth High School	Greymouth, West Coast	Wed 03/04
	Buller High School	Westport, West Coast	Thu 04/04
	Reefton Area School	Reefton, West Coast	Fri 05/04
Top of the South and Canterbury Leg Dates: 8th-12th April	Murchison Area School	Murchison, Nelson-Tasman	Tue 09/04
	Rai Valley Area School	Rai Valley, Marlborough	Wed 10/04
	Twizel Area School	Twizel, Canterbury	Fri 12/04

