

REGISTRATION & PAYMENT DETAILS

Complete your details and post, fax, email or phone in your registration today

GNS Science
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Email: d.barton@gns.cri.nz

Name

Organisation & address

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Phone Fax

Email

Number of people registering

Special dietary or other needs

.....

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PAYMENT DETAILS:

\$500 per person (+GST)

Optional field trip: Rangitoto \$100 per person (+GST)

Cheque. Enclosed is our cheque for \$.....
(payable to GNS Science)

Credit card Visa MasterCard

Card number

Expiry date

Cardholder name

Signature

The course cost will be charged for cancellations less than 10 days before the event. However, substitutions may be made at any stage at no cost. An invoice can be sent to organisations if requested.



Mt. Ngauruhoe, 1974



White Island

How well will your organisation cope with a future volcanic crisis?

This two day course will present a state-of-the-art assessment of volcanic hazards in New Zealand, and will help you better understand how your organisation can better prepare for, and mitigate against, a future volcanic crisis.

Volcanologists, psychologists, social scientists and emergency managers form part of the multi-disciplinary team that explores relationships between the physical and social aspects of natural hazards and their management.

The course is designed for those involved in all aspects of natural hazard management: planners, educators, engineers, local and central government policy makers, insurance managers, emergency managers and business, utility and property owners.

PLANNING FOR A VOLCANIC CRISIS

Mercure Hotel
Custom St, Auckland
16–17 November 2011

Rangitoto Island Field Trip (optional)
18 November 2011



Mt. Eden, Auckland



Massey University



**THE UNIVERSITY OF AUCKLAND
NEW ZEALAND**

Te Whare Wānanga o Tāmaki Makaurau

ABOUT THE SPONSORS

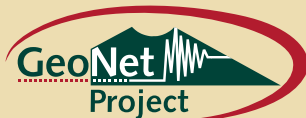
The Natural Hazards Centre is run by GNS Science and NIWA, New Zealand's leading hazard Crown Research Institutes. It provides New Zealanders with a single point of contact for the latest research, resources and scientific expertise relating to natural hazards. The multidisciplinary skills across these organisations have been combined to offer four courses covering earthquake, weather and flooding, volcano and landslide hazards.



Ruapehu warning sign

GNS Science is the lead organiser for this course on volcanoes. GNS Science specialises in improving the understanding of New Zealand's geologically active landscape and assessing the risk and impact of earthquakes, volcanos, landslides and tsunamis. Go to www.gns.cri.nz for further information.

GeoNet is a project operated by GNS Science with core funding from the Earthquake Commission. GeoNet provides real-time monitoring of New Zealand's geological hazards, and data collected is available free of charge at www.geonet.org.nz



PROGRAMME

Wednesday, 16 November 2011 9am–5pm Morning

- Registration and welcome (coffee available from 8:30am)
- The Volcano Problem
- Impacts & Mitigation

Afternoon

- Volcano Monitoring & Warning Systems
- Case Study: Planning for a Volcanic Crisis in Auckland

Evening

- Dinner

Thursday, 17 November 2011 9am–4:30pm Morning

- Case Study: The ongoing eruption on Montserrat, West Indies - problems and some solutions
- Lahars & Breakout Flooding
- Developing Effective Warning Systems for Volcanic Hazards
Pinatubo Video & Discussion on Crisis Management

Afternoon

- Planning for a Volcanic Crisis
- Learning from Others
- So What Can You Do? - A summary & discussion on how to prepare your organisation for a future volcanic event

Friday, 18 November 2011 9am–4pm Field Trip (optional):

- Meet at Ferry Terminal at 9 am
Ferry departs 9:15 am sharp
Ferry returns at 4 pm

Morning and afternoon tea, lunch, course dinner and refreshments included. Ferry and lunch included in optional field trip.

SPEAKER PROFILES

Dr David Johnston, GNS Science / Massey University. David's research has focussed on reducing the vulnerability of society, the economy and infrastructure to hazard events.

Dr Gill Jolly, GNS Science. Gill is a volcano scientist. Previously she worked at the Montserrat Volcano Observatory, monitoring volcanic activity and directing research at Soufriere Hills Volcano.

Brad Scott, GNS Science, is based at Wairakei and is the Volcano Surveillance Co-ordinator for GeoNet.

Michele Daly GNS Science. Her research focuses on measuring the effectiveness of civil defence emergency management programmes and establishing 'resilience' measures for civil defence emergency management group plans.

Dr Emma Hudson-Doyle is a FRST postdoctoral fellow at the Joint Centre for Disaster Research, Massey University. Her current research focuses on the communication and integration of science advice into emergency decision-making processes during natural hazard events.

Dr Jan Lindsay is an EQC Research Fellow in volcanic hazard and risk at the University of Auckland. Previously she worked at the Seismic Research Unit in Trinidad, monitoring and assessing hazard at volcanoes in the eastern Caribbean.

Dr Richard Smith is an Emergency Management Research Analyst with the Ministry of Civil Defence & Emergency Management. He was previously a Senior Lecturer in Volcanology at Waikato University where he undertook volcanic hazard studies on Tongariro, Taupo and Okataina volcanoes. Part of his role at the Ministry involves supporting the provision of science advice for emergency management, and enhancing the connections between research and the CDEM sector.

Other speakers to be announced



Simulation, Canterbury CDEM Group