



2015 update



Josh Hayes, University of Canterbury

on behalf of Natalia Deligne, GNS Science



VISG overview



- No eruptions in NZ (yet) in 2015...
- ... BUT to date > 27 volcanoes around the world have erupted in 2015
- We need to continue to prepare for New Zealand's future eruptions
- VISG (subcommittee of ALG) aims to:
 - Collate, advocate, facilitate & support research on the impacts of volcanic hazards on lifelines and people, and the development of appropriate mitigation measures
 - Provide input into the applicability for lifelines of research
 - Facilitate reconnaissance investigations to improve our knowledge of volcanic impacts on infrastructure

VISG activities (I)

- **2014 VISG seminar**
 - Held in Wellington for the first time
 - Attendees from > 10 organisations, including MPI, NZ Fire Service, and AA
 - Provided overview of volcanic hazards, summary of year's activities
- **New logo!**
 - Reflects our focus on lifelines and volcanoes



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VISG activities (II)

- **Launched VISG newsletter in August**
 - Quarterly newsletter replacing quarterly written updates to ALG
 - Aim is to be accessible to a wider audience
- Email N.Deligne@gns.cri.nz to be added to mailing list



VISG research highlights (I)



- **VISG researchers on New Zealand Volcano Science Advisory Panel**

NZVSAP facilitates provision of authoritative, trans-disciplinary volcanic science advice integrated across agencies during a crisis, and leads collaborative planning and coordination for multiagency science research response during volcanic events.

- **Volcanic impact assessment trips to Japan and Hawaii, trip report written for 2014 visit to Indonesia**
- **VISG researchers contributed to 2015 United Nations Global Assessment Report on Disaster Risk Reduction**



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VISG researcher highlights (II)

- **Student completion:**
 - Grant Wilson, PhD
 - Mary-Anne Thompson, PhD
 - Josh Hayes, MSc
- **Development of “Mt Ruauumoko” scenario for EQC and for Economics of Resilient Infrastructure (ERI) examining lifeline and population impacts to an Auckland eruption**
 - Huge thank you for the generous time contributions from ALG member organisations

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Upcoming events

12 November, Auckland: DEVORA forum

- Free all day event featuring the latest research concerning the Auckland Volcanic Field



- Email Elaine Smid (e.smid@auckland.ac.nz) to RSVP

11 December, Auckland: VISG seminar

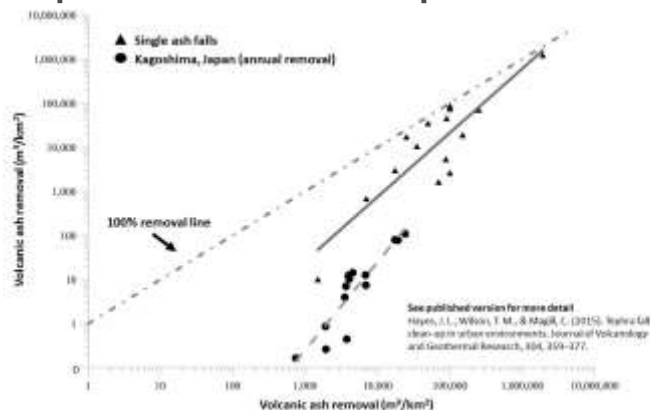
- Free morning seminar (10 – noon)
- Two topics:
 - Lessons from recent impact trips (Indonesia, Japan, & Hawaii)
 - How to use impact / fragility functions (volcanic context)
- Email Natalia Deligne (N.Deligne@gns.cri.nz) for more information or to RSVP



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Volcanic ash clean-up (Hayes MSc Thesis)

- When conducting clean-up not all ash is removed and not all surfaces are cleaned
- Helps inform potential scales of response required



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Final points

- Email Natalia Deligne (N.Deligne@gns.cri.nz) to receive quarterly VISG newsletter and/or attend the VISG seminar in Auckland on 11 December
- Get in touch with Natalia with comments and suggestions for future VISG activities / research ideas
- Email Elaine Smid (e.smid@auckland.ac.nz) to RSVP for DEVORA Forum 12 November
- Have you downloaded ash impact poster for your sector? As always, available on ALG website (document library)