

7th Australasian Natural Hazards Management Conference 2014



Photo: G.Hancox, GNS Science

Programme & Registration

Building a Resilient Nation

**Te Papa, Wellington, New Zealand
23–24 September, 2014**

Optional Workshops 22, 25 & 26 September 2014

Contact:

ahmc@hazards-education.org

www.hazardseducation.org/conference

Version 1: 15 April 2014

7th Australasian Natural Hazards Management Conference 2014

PROGRAMME

MONDAY 22 September Workshop	TUESDAY 23 September Conference	WEDNESDAY 24 September Conference	THURSDAY 25 September Workshops	FRIDAY 26 September Workshops
<p>9 am - 4:30pm WORKSHOP 1 Exploring the roles of NGOs in Disaster Risk Reduction</p>	<p>MAIN CONFERENCE</p>	<p>MAIN CONFERENCE</p>	<p>9 am - 12 noon WORKSHOP 2 Best practice emergency management planning for local and central government agencies and partner organisations</p> <p>9 am - 12 noon WORKSHOP 3 Understanding social recovery</p>	<p>9 am - 12 noon WORKSHOP 7 Risk reduction through land-use planning</p> <p>9 am - 12 noon WORKSHOP 8 Making sense of data for disaster risk reduction</p> <p>9 am - 12 noon WORKSHOP 9 Improved responses to weather warnings</p>
Lunch provided	Lunch provided	Lunch provided		
<p>9am - 4:30 pm WORKSHOP 1 - continued Exploring the roles of NGOs in Disaster Risk Reduction</p>	<p>MAIN CONFERENCE</p>	<p>MAIN CONFERENCE</p>	<p>1:30 - 4:30 pm WORKSHOP 4 Social media emergency management - made simple</p> <p>1:30 - 4:30 pm WORKSHOP 5 Gender and disasters</p> <p>1:30 - 4:30 pm WORKSHOP 6 Riskscape</p>	<p>1:30 - 4:30 noon WORKSHOP 10 Disaster Design: solutions for survival</p> <p>1:30 - 4:30 noon WORKSHOP 11 Community resilience: knowledge sharing workshop</p> <p>FIELD TRIP Classroom in the coach</p>
5 - 7 pm Ice breaker - drinks	5 - 7 pm Reception	5 - 7 pm Reception		



7th Australasian Natural Hazards Management Conference 2014

ABOUT THE CONFERENCE

The conference will provide a forum to discuss the integration of hazard information into effective risk management, including:

- Applying hazard information to best practice planning
- Developing effective warning systems
- Improving response and recovery from events
- Creating resilient communities through integrating science into practice

Our target audience is: emergency managers, planners, risk assessors, asset and utility managers, natural hazards researchers, and scientists.

Registration

The conference registration fee is \$393.75 (\$450 after 25 July 2014) (inclusive of GST) per participant. Fulltime student registration fee is \$168.75 (\$225 after 25 July 2014) (inclusive of GST).

Morning and afternoon teas, lunches, social events, the Conference and Conference Proceedings volume are included as part of the registration fee.

Note: These fees do not include the Workshops.

Applications for registration should be made on the enclosed registration form. Registration fees are to be made payable by cheque, Visa or Mastercard to GNS Science. The registration form and payment should be returned together to GNS Science. Details are on the registration form.

Confirmation of registration will be emailed to each participant.

The conference is limited to 300 people, so to guarantee participation, please register as soon as possible.

Venue

The conference will be held at Te Papa, Wellington, New Zealand. Some workshops will be at nearby locations to be advised.

Accommodation & Travel

All participants are required to make their own accommodation bookings and travel arrangements.

Message Board

A message/information board will be set up beside the registration desk. Please check daily.

Cancellations & Refunds

In the event of cancellation before 8 August 2014, the full registration fee will be reimbursed. Cancellation after this date will incur an administration charge of \$50.00 + GST per registration.

Your registration can be reassigned to another person. Please notify Daryl Barton d.barton@gns.cri.nz of the recipient's details if this occurs.

Childcare

As childcare can often prevent parents and caregivers from attending conferences and workshops. The organisers are willing to help provide assistance where possible.

Please contact us for more information.

7th Australasian Natural Hazards Management Conference 2014

CALL FOR PAPERS AND POSTERS

If you are interested in speaking, please send an abstract of the proposed talk by 1 June 2014 to ahmc@hazards-education.org

Participants are also invited to present posters. Dedicated poster sessions have been scheduled. Those presenting posters must submit abstracts by email as attached files (MS Word) by 1 July 2014 to ahmc@hazards-education.org

Abstracts should be formatted as follows:

- A4 format
- One page only
- Text within frame 160 mm by 230 mm high
- 12 pt type. Justified - title in upper case, bold, align left, followed on separate lines by author name(s) - bold, organisation(s), address and emails.

SPONSORSHIP & TRADE DISPLAYS

We are offering a range of opportunities for businesses and organisations involved in all aspects of natural hazards to participate in the conference.

If your company or organisation would like to be a sponsor or have a trade display, please contact ahmc@hazards-education.org



Trade displays to date :

- GNS Science
- NIWA
- University of Canterbury
- Massey University
- EQC
- Natural Hazards Inc.

SOCIAL EVENTS

- | | |
|---|------------|
| Monday 22 September 2014, 5.00 - 7.00 pm | Icebreaker |
| Tuesday 23 September 2014, 5.00 - 7.00 pm | Reception |
| Wednesday 24 September 2014, 5.00 - 7.00 pm | Reception |

7th Australasian Natural Hazards Management Conference 2014

PRE - CONFERENCE: WORKSHOP 1

Exploring the role of NGOs and Civil Society Organisations in Disaster Risk Reduction

Monday 22 September, 9 am - 4:30 pm

Workshop convenor: J.C. Gaillard

The Hyogo Framework for Action 2005 - 2015: Building the Resilience of Nations and Communities to Disasters, endorsed by the United Nations General Assembly, aims for substantial reduction of disaster losses, in lives and in the social, economic and environmental assets of communities and countries. What has become clear over the implementation period of the Hyogo Framework of Action is that disaster risk reduction is a cross - cutting issue that requires a long term planning perspective, mainstreaming and integration across sectors, and a change in mindset from response to prepare and prevent. Just as important is the realisation that reducing the risks and impacts of disasters is a shared responsibility among the many actors and stakeholders.

This Workshop aims to explore role of NGOs in DRR and opportunities in the post-HFA period to reduce Disaster Risk.

Limited to 100 persons.



Disaster risk assessment activity in La Carlota, Philippines, in January 2011 (photo: JC Gaillard)



Participatory 3D mapping activity for disaster risk reduction in Gati, Cambodia, in January 2011 (photo: JC Gaillard)

7th Australasian Natural Hazards Management Conference 2014

POST-CONFERENCE WORKSHOPS

WORKSHOP 2: Best practice Emergency Management planning for local and central government agencies and partners organisations

25 September 2014: 9am -12 noon

Workshop convenor: Jon Mitchell and Chris Webb

This workshop will introduce emergency management planning issues that need to be addressed at community, organisational, local and regional levels.

It will explore fundamental emergency management concepts, and how these are applied in emergency management planning the UK, USA, Australia and New Zealand.

The workshop will capture and apply current best practice from these examples and enable participants to apply it in real-world contexts, using recent emergency events as case studies.

Limited to 50 persons.



WORKSHOP 3: Understanding social recovery

25 September 2014: 9am - 12 noon

Workshop convenor: Sarb Johal

The effectiveness and efficiency of community recovery following a disaster is shaped not just by nature and scale of the physical impacts of the event but also on how the social environment supports the complex and protracted processes of recovery.

Recent experience following a number of disasters has highlighted complex nature of community recovery and the importance of not only strong local government capacity, but also of a cohesive system of public, private and volunteer groups integrated into the community.

This workshop will explore aspects a range of aspects of recovery from disasters and how it can be greatly enhanced by ensuring that the pre-existing social environment supports the recovery process.

Limited to 50 persons.



7th Australasian Natural Hazards Management Conference 2014

POST-CONFERENCE WORKSHOPS

WORKSHOP 6: Riskscape: a quantitative decision support tool for natural hazards risk management

26 September 2014: 1:30- 4:30 pm

Workshop coordinator: Kim Wright

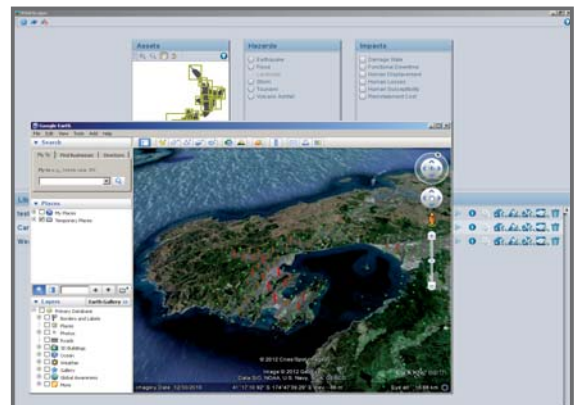
RiskScape is a publicly funded quantitative impact and risk modelling tool designed for practical use by planners, emergency managers, asset managers, or anyone interested in natural hazard risk assessment. RiskScape is a joint project between GNS Science and NIWA and is freely available for use by government organisations and not for profit agencies. The model's software is also stand-alone and not dependant on costly GIS or other software licenses.

RiskScape combines asset data (buildings, people and infrastructure) with vulnerability models to produce a range of loss results (e.g. reinstatement costs, casualties, displacement time) for earthquake, flood, tsunami, volcanic ash and wind hazards. RiskScape is modular in its design, allowing users to import their own asset and hazard data for impact and risk modelling.

Test drive RiskScape in this brief workshop see whether RiskScape can assist you with: emergency response planning, risk based land use planning, prioritising hazard mitigation projects, natural hazard and risks communication and many other natural hazard management activities.

The workshop will cover how you can use RiskScape to:

- Run analyses for a range of hazards, locations and asset types
- Explore quantitative results as 2D or 3D maps, spreadsheets or export to GIS.
- Use RiskScape to view losses such as: the numbers of evacuees displaced by hazard events, the costs to clean up from hazard events or restore buildings and infrastructure, or estimate numbers of casualties
- Load in your own assets (e.g. new communities or infrastructure) or hazard models
- Modify assets to reduce risk or consequences (e.g. what if we strengthened all buildings or raised all floors?)
- **Limited to 24 persons.**



WORKSHOP 7: Risk reduction through land-use planning

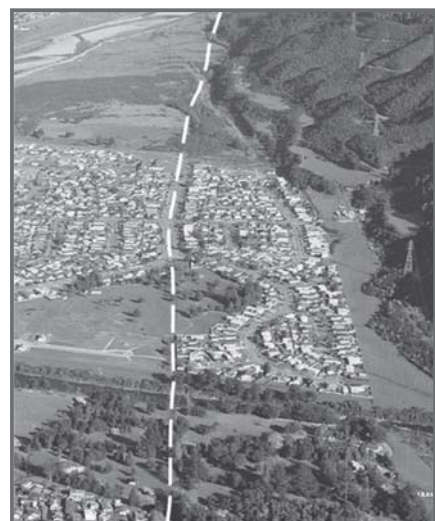
26 September 2014: 9 am-12 noon

Workshop coordinator: Wendy Saunders

Land use planning can be used to effectively reduce the risk from natural hazards to life and property. Planning should be used proactively, and seek to avoid or mitigate the effects of natural hazards at the earliest stage of subdivision. In cases where subdivision has already taken place, there may still be measures that can be employed to mitigate further risk.

However, land use planning is yet to be used to its full potential for reducing natural hazard risks. While many opportunities exist to reduce risks to natural hazards, often barriers exist which prevent risk reduction occurring.

Limited to 50 persons.



Avoiding the fault rupture hazard - Totara Park subdivision in Upper Hutt

7th Australasian Natural Hazards Management Conference 2014

POST-CONFERENCE WORKSHOPS

WORKSHOP 4: Social Media Emergency Management - made simple

25 September 2014: 1:30 - 4:30pm

Workshop convenor: Abi Beatson

Workshop Agenda:

- Meet the WREMO Social Media Emergency Management Team
- Social Media Introductory Essentials - key things to know about social media in an emergency
- Behind the WREMO Facebook Page – what we do that makes Facebook work for us day-to-day
- Using Social Media effectively during a response – what you need to consider and plan for now
- Social Media Communication - effective ways of understanding and communicating with your audiences in times of stress
- What Does the Future Hold? - important social media developments on the horizon

Limited to 50 persons.



WORKSHOP 5: Gender and disasters

25 September 2014: 1:30 - 4:30 pm

Workshop convenor: Cheryl Anderson

Understanding the link between gender and disasters is vital to successful emergency management and disaster research. Gender influences all aspects of social life and thus has significant impacts in the preparation for, experience of, and recovery from disasters. This workshop brings together experts from across the globe to discuss the current trends in gender and disaster research and practice.

Limited to 50 persons.



7th Australasian Natural Hazards Management Conference 2014

POST-CONFERENCE WORKSHOPS

WORKSHOP 8: Making sense of data for Disaster Risk Reduction

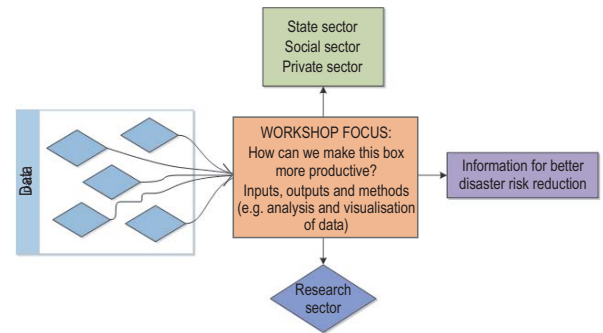
26 September 2014: 9 am-12 noon

Workshop convenors: Opus Research & Resilient Organisations

This workshop examines the development of risk reduction indicators from routinely collected data, for local authorities, organisations, and communities.

- What range of data is currently collected and how available is it?
- What is the quality of this data? What are the limitations?
- How is the data currently used by both organisations and researchers to assist in the immediate response to disaster events?
- How can data be used effectively for recovery indicators to help prioritise recovery efforts?
- What other ways could data be used by organisations to aid response and recovery?
- What are the important questions or problems that could be addressed through better use of data?
- What other sorts of data could be easily collected to supplement existing data, and how do you know when it might be needed?

Limited to 50 persons.



WORKSHOP 9: Weather and Society (WAS*IS NZ)

26 September 2014: 1:30 - 4:30pm

Workshop convener: Sally Potter and Peter Kreft

Weather and Society * Integrated Studies (WAS*IS) is a grassroots movement developed in the USA to effect change within the weather enterprise by fully integrating social science into meteorological research and practice in a comprehensive and sustained way. The WAS*IS mission is to empower practitioners, researchers, and stakeholders to forge new relationships and to use new tools and concepts for more effective socio-economic applications and evaluations of weather information and products. WAS*IS is doing this by:

- Building an interdisciplinary community of practitioners, researchers, and stakeholders who are dedicated to the integration of meteorology and social science;
- Teaching basic tools and social science concepts fundamental for integrated research;
- Using real-world examples to learn about effective integrated research and applications;
- Acknowledging and addressing typical roadblocks and challenges of interdisciplinary work, especially those relevant to integrating social science into weather research and applications;
- Identifying and pursuing research, application, and educational opportunities for integrated weather and social science work; and
- Improving and further facilitating the ongoing relationships among practitioners, researchers, and stakeholders in meteorology and the social sciences.

The WAS*IS NZ workshop will explore these ideas in a New Zealand context and look at ways to connect to the international effort. For more information on the workshop contact Julia Becker (j.becker@gns.cri.nz). To learn more about WAS*IS internationally visit <http://www.sip.ucar.edu/wasis/>

Limited to 50 persons.



7th Australasian Natural Hazards Management Conference 2014

POST-CONFERENCE WORKSHOPS

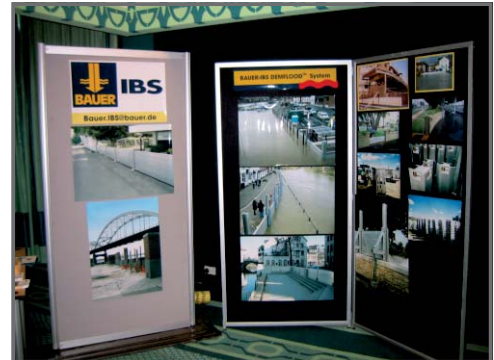
WORKSHOP 10: Disaster Design: solutions for survival

26 September 2014: 1:30 - 4:30pm

Workshop convener: Rodney Adank

In order to mitigate the effects of a natural disaster we must be prepared, with relevant equipment designed for purpose. Working with senior industrial design students and staff you will use creative processes to develop ideas and concepts that address issues presented by a disaster environment.

Limited to 50 persons.



WORKSHOP 11: Community Resilience: knowledge sharing workshop

26 September 2014: 1:30 - 4:30pm

Workshop conveners: ICoE: Community Resilience Wellington, JCDR, WREMO (Dan Neely, Emma Hudson-Doyle, David Johnston, Bruce Pepperell, Julia Becker)

In conjunction with the IRDR International Centre of Excellence: Community Resilience for the Wellington Region, this workshop will explore inter-, and across-, agency knowledge sharing for building community resilience.

In particular, how do we ensure that lessons from past disasters in one region are implemented into future pre disaster recovery plans in other regions?

Through this workshop we aim to identify the methods, tools, advantages, and challenges to developing collective knowledge across practitioners and researchers for future preparedness, and ways in which this knowledge can be effectively integrated into approaches including the Wellington Region's Community Resilience Strategy.

Limited to 50 persons.



FIELD TRIP

Wellington: Classroom in the Coach

26 September, 2014 1 - 4:30 pm

During this afternoon we will undertake a field excursion to explore many aspects of emergency management planning, land-use planning and options for mitigation in Wellington and the Hutt Valley. We will visit tsunami hazard zones, discuss tsunami warnings, explore the Wellington Fault, look at land-use planning for earthquakes, tsunamis, landslides and flooding and examine community-based preparedness activities.

Seats are limited.

Wellington Fault:
likely fault rupture zone.
Photo: GNS Science



REGISTRATION FORM

Please complete this form, take a copy and forward with payment to:

Australasian Hazards Management Conference 2014
 GNS Science
 P.O. Box 30368, Lower Hutt 5040, New Zealand.
 Attention: Daryl Barton

Fax: +64 4 570 4600

Email: d.barton@gns.cri.nz

PERSONAL DETAILS

Surname:		Title:
First Name (for Name Badge):		
Company:		
Address:		
City:	State:	
Code/ZIP:	Country:	
Telephone:	Facsimile:	
Email:		
Special Needs:		

I would like to display a poster (please tick box) Poster title:

REGISTRATION FEES

All prices include GST and are in New Zealand dollars

Conference Registration:	Before 25 July 2014	\$ 393.75	
	After 25 July 2014	\$ 450.00	
Student and NGO Registration:	Before 25 July 2014	\$ 168.75	
	After 25 July 2014	\$ 225.00	
WORKSHOP 1: Exploring the role of NGOs in Disaster Risk Reduction		\$ 115.00	
WORKSHOP 2: Emergency management planning for local government		\$ 57.50	
WORKSHOP 3: Understanding social recovery		\$ 57.50	
WORKSHOP 4: Social media in disasters made simple		\$ 57.50	
WORKSHOP 5: Gender and Disasters		Free	
WORKSHOP 6: Riskscape		\$ 57.50	
WORKSHOP 7: Risk reduction through land-use planning		\$ 57.50	
WORKSHOP 8: Making sense of data for Disaster Risk Reduction		\$ 57.50	
WORKSHOP 9: Weather and Society (WAS*ISNZ)		\$ 57.50	
WORKSHOP 10: Disaster Design: solutions for survival		\$ 57.50	
WORKSHOP 11: Community Resilience: knowledge sharing workshop		Free	
FIELD TRIP: Wellington: Classroom in the Coach		\$ 57.50	

Grand Total: NZ \$

Payment \$ Cheque Visa MasterCard Expiry Date

Credit Card Number Security Code

Printed signatory name Signature

Please make cheques payable to GNS Science.

Please tick box if your organisation prefers to be invoiced. (NZ only)

For invoicing, your organisations order number is:

Privacy Act statement: The NZ Privacy act 1993 provides that, before your name and address details can be published in the list of delegates either for distribution to fellow delegated or any other party, you must give your consent. If you DO NOT wish your name and address details to be included in the list of delegated, please tick this box.

7th Australasian Natural Hazards Management Conference 2014

SPONSORS

For further information on the
AUSTRALASIAN NATURAL HAZARDS MANAGEMENT CONFERENCE 2014

please contact:

ahmc@hazards-education.org

