

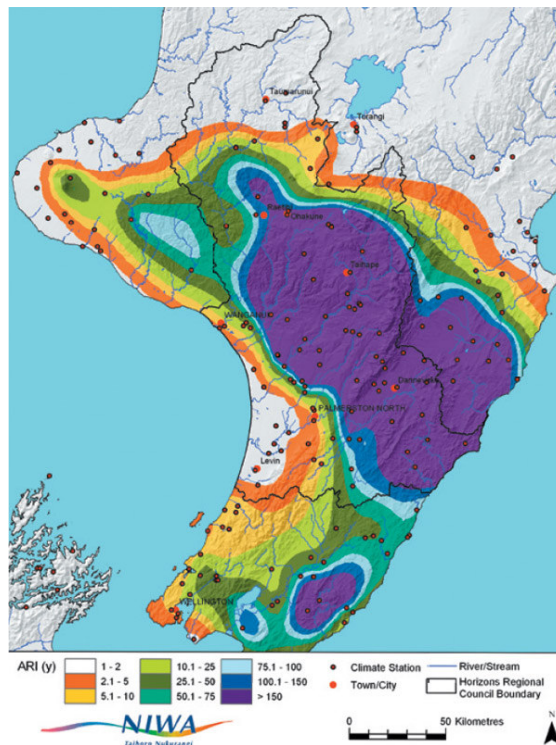
# Workshop 4 - GIS in Natural Hazards Management

**28 July 2008 – 1.30 pm- 4.30 pm**

**Workshop coordinator: Tom Wilson**

[thomas.wilson@pg.canterbury.ac.nz](mailto:thomas.wilson@pg.canterbury.ac.nz)

The purpose of the workshop is to examine the use of GIS during an emergency, or in planning for an emergency. It will explore many of the problems and difficulties of using it (e.g. lack of power, lack of data). The format of the workshop will involve presentations by invited speakers, followed by a discussion of issues and an opportunity for participants to view GIS tools developed for emergency management response and planning. The workshop is intended for emergency managers and planners, risk managers, asset managers, utility service providers, hazard and risk researchers, both from local and central Government, Government organisations and the private sector.



**Workshop is limited to 40 places**

**2nd Australasian Natural Hazards Management  
Conference 29-30 July 2008,  
Te Papa, Wellington**

[www.hazards-education.org/ahmc/2008](http://www.hazards-education.org/ahmc/2008)

## PRESENTERS

**Steve Critchlow**, Executive Director of Emergency Management Solutions, Critchlow, Wellington, New Zealand  
Email: [Steve.Critchlow@Critchlow.co.nz](mailto:Steve.Critchlow@Critchlow.co.nz)

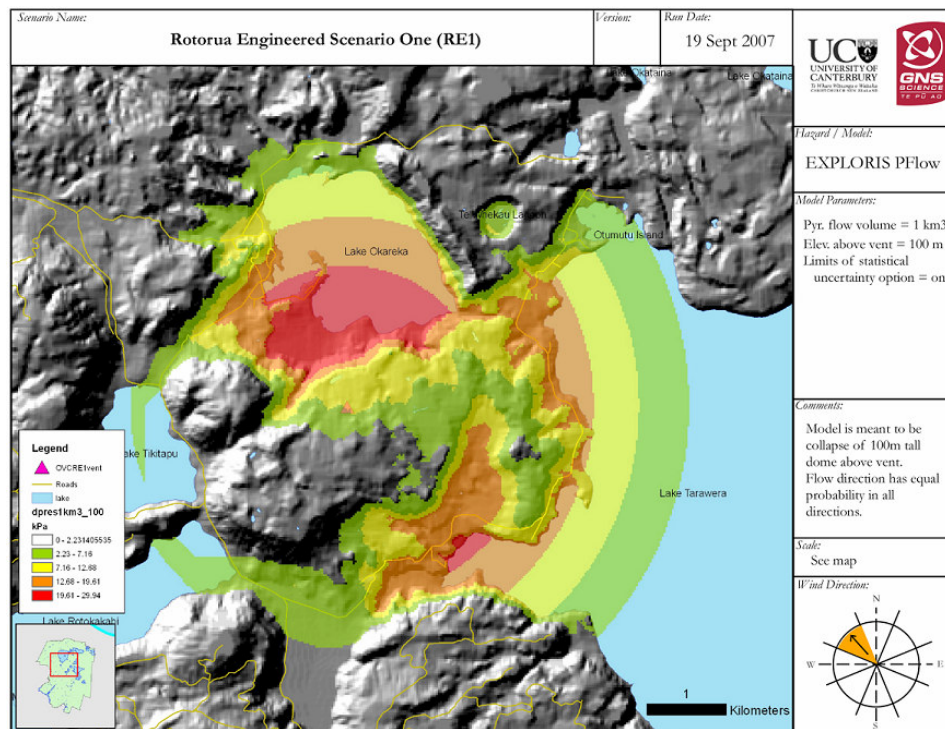
**Dr. Andre Dantas** – Natural Hazard Research Centre/Resilient Organisations, Department of Civil Engineering, University of Canterbury, Christchurch, New Zealand  
Email: [andre.dantas@canterbury.ac.nz](mailto:andre.dantas@canterbury.ac.nz)

**Cameron Druery**, Principal Engineer, WorleyParsons, Australia  
Email: [Cameron.Druery@worleyparsons.com](mailto:Cameron.Druery@worleyparsons.com)

**David Heron**, GIS Specialist, GNS Science, Lower Hutt, New Zealand  
Email: [d.heron@gns.cri.nz](mailto:d.heron@gns.cri.nz)

**Associate Professor Chris S. Renschler**, Department of Geography, University at Buffalo - The State University of New York, Buffalo, New York, USA  
Email: [rensch@buffalo.edu](mailto:rensch@buffalo.edu)

**Dr. Nate Wood** – Research Geographer, Western Geographic Science Centre, United States Geological Survey, Vancouver, Washington, USA  
Email: [nwood@usgs.gov](mailto:nwood@usgs.gov)



## PROGRAM

	<b>Time</b>	<b>Presenter</b>	<b>Organisation</b>	<b>Title</b>
<b>Introductions</b>	1.30 pm	Tom Wilson	<i>University of Canterbury</i>	
<b>Presentation 1</b>	1.40 pm	Dr. Nathan Wood	<i>USGS</i>	Use of GIS for assessing community vulnerability to natural hazards: case studies of tsunamis and volcanic lahars in the U.S. Pacific Northwest
<b>Presentation 2</b>	2.00 pm	David Heron	<i>GNS Science</i>	The Regional Riskscape Project
<b>Presentation 3</b>	2.20 pm	Dr. Chris Renschler	<i>University of Buffalo</i>	GeoProMT: Geospatial Project Management of GIS data from Assessment to Resilience
<b>Presentation 4</b>	2.40 pm	Cameron Druery	<i>WorleyParsons</i>	Real Time Flood Forecasting for Emergency Management
<b>Break</b>	3.00 pm	<i>Break</i>	<i>Break</i>	<i>Break</i>
<b>Presentation 5</b>	3.20 pm	Dr. Andre Dantas	<i>University of Canterbury</i>	A GIS based decision support tool for prioritising physical response and recovery of networked infrastructure
<b>Presentation 6</b>	3.40 pm	Steve Critchlow	<i>Critchlow Limited</i>	EmerGeo - An OpenGIS-based groupware solution for Emergency Managers
<b>Forum Discussion</b>	4.00 pm	<u><i>Workshop discussion on the application &amp; use of GIS in natural hazard management</i></u>		
<b>Close of Workshop</b>	4.30 pm	Tom Wilson	<i>University of Canterbury</i>	