

LEARNING FROM EARTHQUAKES



New Zealand Society for Earthquake Engineering Inc



Presentation on the Lessons for New Zealand from the Padang M7.6 & M6.2 Earthquakes of 30th September 2009 West Sumatra, Indonesia



Following the 30 September 2009 Padang, West Sumatra, earthquakes and the resulting widespread building damage, further collapses were a major safety concern. The United Nations Development Programme, on behalf of the Government of Indonesia, requested assistance from New Zealand. A ten-person team of volunteer earthquake and structural engineers was deployed to Padang at short notice, on behalf of NZAID in early October 2009.

This was the first time that such a team had been operationally deployed on behalf of the New Zealand Government.

The team, coordinated by the NZ Society for Earthquake Engineering, spent two weeks in Padang working out of the UNDP field base in challenging conditions. The focus of their work was undertaking building safety evaluations, applying the NZSEE Rapid Assessment procedures to more than 230 buildings.

A team of four New Zealand engineers have subsequently been working under contract to UNDP from December through to the end of February 2010, providing strengthening and reconstruction advice.

A presentation by the NZSEE team will illustrate the experience and the practical lessons for New Zealand, such as managing large volumes of rapidly generated field data, along with some recommended enhancements to the New Zealand Building Safety Evaluation processes.

Presentation by New Zealand Mission Team

Presentations on the observations and experiences of the NZSEE team and the associated lessons for New Zealand will be given by:

Dave Brunsdon Kestrel Group; Team-leader; Structural Engineer

Mike Stannard Department of Building & Housing; Co-Leader; Structural Engineer

Jitendra Bothara Beca; Co-Leader; Structural Engineer

Dick Beetham GNS Science; Engineering Geologist

with inputs from other team members.

The public presentations will be at the following dates and locations:

Auckland, Tuesday 16th February 2010 6:00 pm to 7:30 pm

Conference Centre,
southern side of Engineering School Building, Auckland University
20 Symonds Street, Auckland

The presentation commences at 6:00 pm

For visitors there is car parking available under the University of Auckland Business School. The entrance is in Grafton Rd – first set of traffic lights going down Grafton Rd. Usual pay system. From the car park, walk up to Symonds St (about half a block), then up Symonds St to south side of the Engineering School Building (about another half block).

Christchurch, Tuesday 23rd February 2010 6:00 pm to 7.30 pm

Great Hall, Art Centre
Cnr Rolleston Ave and Worcester Boulevard

The presentation commences at 6:00 pm

Queenstown, Tuesday 9th March 2010 6:00 pm to 7:30 pm

Crowne Plaza Queenstown
Beach Street,
Queenstown

The presentation commences at 6:00 pm.

Wellington, Thursday 25th March 2010 6:00 pm to 7:30 pm

TBA (Claire Stevens, WCC)
Wellington

The presentation commences at 6:00 pm.

Napier, TBA 2010 1:00 pm to 2.30 pm

Council Chambers, Hawke's Bay Regional Council,
159 Dalton Street, Napier

The presentation commences at 1:00 pm.