



Natural Disasters Workshop

Welcome



Natural Disasters Workshop

Welcome

Housekeeping issues



Natural Disasters Workshop

Welcome

Housekeeping issues

Introduction of Facilitator



Who is the IRCC

- Background and History



Who is the IRCC

- Background and History
 - First meeting May 1997 Los Angeles, California



Who is the IRCC

- Background and History
 - First meeting May 1997 Los Angeles, California
 - Founded by Four countries/organisations
Australia – Canada – Japan – USA



Who is the IRCC

- Background and History
 - First meeting May 1997 Los Angeles, California
 - Founded by Four countries/organisations
 - Australia – Canada – Japan – USA
 - Now up to 14 Countries/Organisations



Australian Building Codes Board (ABCB), Australia

Austrian Institute of Construction Engineering (OIB), Austria

Building and Construction Authority (BCA), Singapore

Singapore Civil Defence Force (SCDF), Singapore

Department of Building and Housing (DBH), New Zealand

Department for Communities and Local Government (DCLG), England and Wales

Institute for Research in Construction, National Research Council (NRC), Canada

International Code Council (ICC), USA

Ministry of Housing (MOH), Spain

Ministry of Land, Infrastructure, Transport and Tourism (MLIT), Japan

National Board of Housing, Building and Planning, (Boverket), Sweden

National Institute for Land and Infrastructure Management (NILIM), Japan

National Office of Building Technology and Administration (NOBTA), Norway

Scottish Government Directorate for the Built Environment (DBE), Scotland

Who is the IRCC

- Background and History
 - First meeting May 1997 Los Angeles, California
 - Founded by Four countries/organisations
 - Australia – Canada – Japan – USA
 - Now up to 14 Countries/Organisations
 - Meets Twice a Year – rotates organisations



Who is the IRCC

- Background and History
 - First meeting May 1997 Los Angeles, California
 - Founded by Four countries/organisations
 - Australia – Canada – Japan – USA
 - Now up to 14 Countries/Organisations
 - Meets Twice a Year – rotates organisations
- Mission Statement



The purpose of the IRCC is to advance, at an international level, framework, guidance, and support documents on construction-related regulatory environment issues relative to the development, implementation, and support of performance-based regulatory systems.



Who is the IRCC

- Background and History
 - First meeting May 1997 Los Angeles, California
 - Founded by Four countries/organisations
 - Australia – Canada – Japan – USA
 - Now up to 14 Countries/Organisations
 - Meets Twice a Year – rotates organisations
- Mission Statement
- Introduce Current Chair

Why this workshop

- IRCC Workshops are seen as opportunity to obtain wider perspectives from members and guests on a current issue important to the host country



- **Past Events**
- 2011 Workshop on automated rule checking of BIM for performance-based building regulations
- 2010 Workshop on International Perspectives on the Role of Building Regulation in Responding to the Challenges of Climate Change
- 2010 Workshop on Care Facilities and Workshop on Building Products in Building Codes and Inspection
- 2009 NRC Workshop - Objective- and Performance-Based Codes: Impacts and Lessons Learned
- 2009 Joint Workshop with CEBC on Compliance Matters
- 2008 Workshop on Architectural Heritage and Performance-Based Building Codes: Approaches and Experiences
- 2008 Workshop of CO2 Emissions and Building Regulation
- 2007 Workshop on Performance Requirements and Acceptance Criteria for Safety in Case of Fire
- 2006 Workshop on Use of Risk Concepts in Regulation
- 2005 Workshop on Sustainability
- 2003 Global Summit on Emerging Issues and Pressures in PB Codes

Why this workshop

- IRCC Workshops are seen as opportunity to obtain wider perspectives from members and guests on a current issue important to the host country
- With recent world events impacting Australia and it's near neighbours this was an obvious choice

Why this workshop

- IRCC Workshops are seen as opportunity to obtain wider perspectives from members and guests on a current issue important to the host country
- With recent world events impacting Australia and it's near neighbours this was an obvious choice
- The Six topics were chosen to cover the most Challenging Natural Events we have to face



Topics for the Day

- **Wildland fires**
- **Extreme wind events**
- **Inundation/flooding**
- **Geotechnical faults (landslip)**
- **Earthquakes**
- **Tsunamis**

Program for the Day

- *Morning Session*

- Introduction

Neil (facilitator)

- Wild fires

Jon Traw

- Extreme wind events

David Henderson

- Inundation/flooding

Hamid Mirfenderesk

Morning tea break

15mins

Program for the Day

- **Geotechnical faults (landslip) Vidar Stenstad**
- **Earthquakes Mike Stannard**
- **Tsunamis Hito Kikitsu**

Lunch

45mins

Afternoon Session

- **Planning for natural disasters** **Neil Savery**
- **Facilitated discussion on topics including*:** **135mins**
 - Stakeholder expectations of the regulatory environment
 - Roles and responsibilities (regulator, planners, etc)
 - Regulatory response to disasters
 - Mitigation versus post disaster recovery
 - Approach to existing buildings versus new
 - Resilience and the potential implications of climate change
- **Summing up and conclusions** **Neil and Mike**



Start of Workshop