



## EQC Fellowship in Natural Hazards Planning

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## Overview

- The EQC Fellowship in Natural Hazards Planning
- Current and 'pipeline' projects
- Case Study: Lessons for building sustainable, hazard resilient communities



## EQC Fellowship

- **Aim of Fellowship**

- *To provide vision and leadership for the field of natural hazards planning and advance understanding of the social dimensions of hazards more generally*

- **Research & scholarship**

- **General:** Natural hazards planning and the social dimensions of hazards.
- **Personal specialisation:** Hazards, sustainability and community resilience; coastal hazards; collaborative planning and hazards; hazards and poverty-environment linkages



## EQC Fellowship

- **Research & scholarship aim:**

- Deepen and extend understanding of the field of natural hazards planning, with focus on New Zealand, through personal research agenda.
- Be a catalyst for postgraduate research in this field.
- Stimulate and facilitate collaborative research on natural hazards planning and social dimensions of hazards.

- **Teaching and supervision**

- A new undergraduate course and postgraduate course in natural hazards planning (from 2007-).
- New postgraduate research on natural hazards planning



## EQC Fellowship

- **Professional and community service**
  - **Biennial symposium:** State of social science research on hazards and emergency management in NZ (2008)  
National assessment of hazards and emergency management in NZ (2010).
  - **Continuing professional development**
  - **Public Lecture Series**
  - **Policy advice and consulting projects**
  - **Public awareness**



## Current and 'pipeline' projects

- **Coastal policy & management**
- **Understanding the field of natural hazards planning:**
- **What is a sustainable, hazard-resilient community? (2007-)**
- **The role of planning in building sustainable, hazard-resilient communities (2007-).**
- **Lessons learned from natural disasters: International Case Studies (2006-).**
  - Indian Ocean tsunami recovery experiences in Indonesia & the Maldives
  - Recovery experiences and future challenges in the Gulf coast of the USA in the aftermath of the 2005 hurricane season
- **Transformational natural hazards planning to build sustainable, hazard-resilient communities**
- **Coastal vulnerability and climate change**



## Current and 'pipeline' projects

- **Advancing natural hazards planning in New Zealand:**
- **Lessons learned from natural disasters: NZ Case Studies (2007)**
  - Lessons learned from the 2004 Manawatu floods
  - Additional case studies?
- **Hazards and emergency management in NZ: A focus on policy and practice (2007-)**
- **Collaborative research project: The state of social science research on natural hazards in NZ (2008 Symposium, symposium book, journal articles) (2008-2009)**
- **Collaborative research project: A national assessment of hazards and emergency management in NZ: An appraisal of policy, practice and research (2010 Symposium, book, journal articles) (2009-2010).**



## Case Study: Lessons for building sustainable, hazard resilient communities

- **Aim:**
  - What can we learn from international experience about building sustainable, hazard-resilient coastal communities?
  - What are the challenges and opportunities for building such communities in New Zealand?
- **Context:** Intensification of coastal development in face of global change
- **Challenge:** Mainstream hazards into coastal planning and management



## **Case Study: Lessons for building sustainable, hazard resilient communities**

- **Case Studies:**

- Indonesia & Maldives recovery after tsunami
- Gulf Coast recovery after 2005 hurricane season

- **Conceptual framework & principles for building sustainable, hazard-resilient communities**

- Diverse literatures
- Lessons for New Zealand
- Practical challenges and opportunities to build 'critical social infrastructure'

