

Reconstruction Resourcing

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Where do we start?

Recovery settings to consider:

- Changes to Building Code
- Recovery governance
 - CERA, PMOs (Fletcher EQR, SCIRT, insurers' PMOs)
- Recovery Policies
 - Land zoning, insurance, CBD plans
- **Construction sector**
 - local, regional, national
 - capacity, resource pool, sectoral vulnerabilities

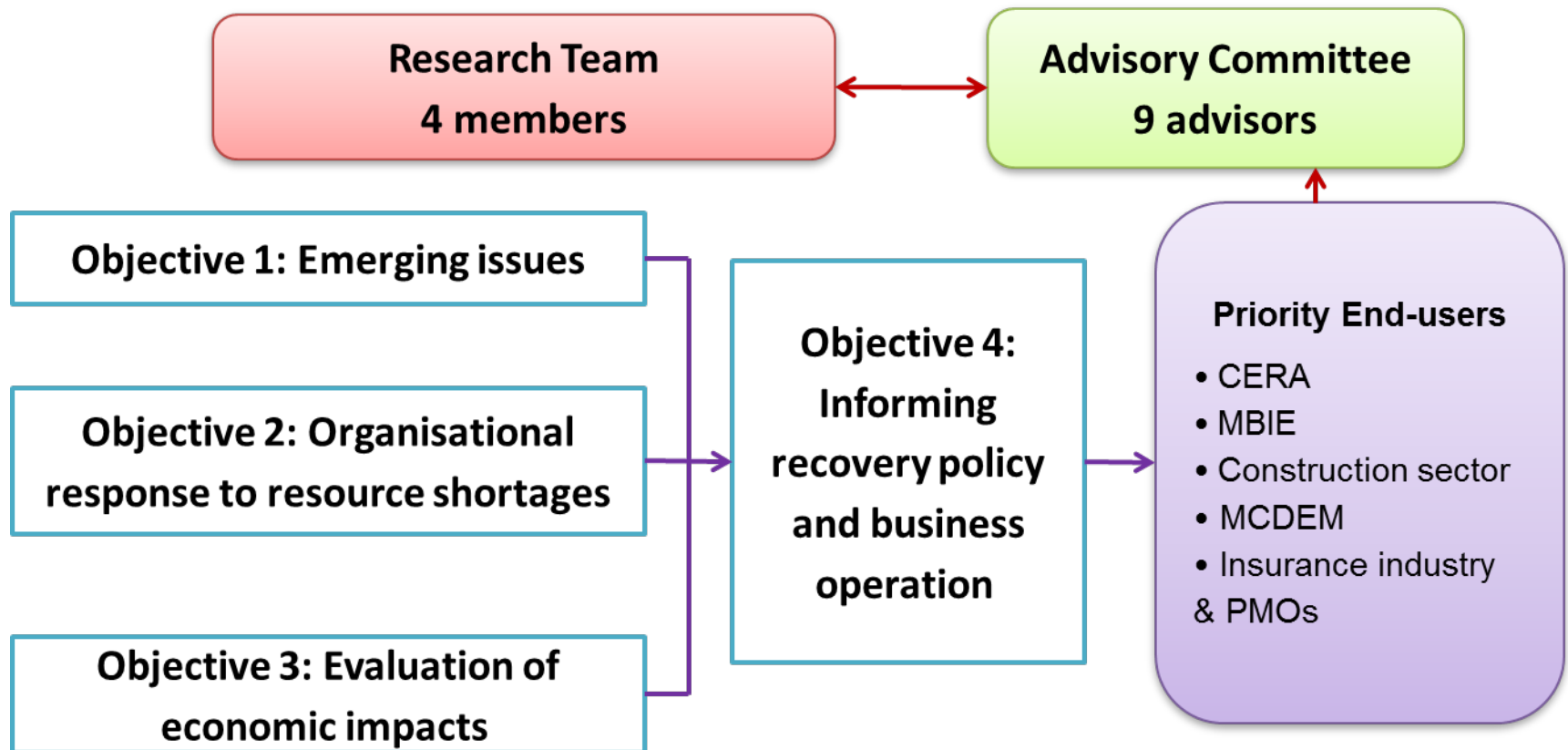
Research project

- Identify 'pinch point' resources
 - constraints on service delivery
- Identify impacts of resource shortages
 - project productivity
 - organisational performance
 - timing, cost, quality of recovery
- Identify solutions – resourcing measures
 - response
 - projections
- Identify emerging issues

Methodology

- Baseline study survey – Nov. 2011-Jan. 2012
- Interviews
 - Sep. 2011- Apr. 2012
 - May 2012
- Overseas trip – international experiences
 - Aug. Kobe Japan
 - Oct. Marysville & Kinglake, Australia
- Case studies
 - Oct. – Dec. 2012

Project structure



Disaster Reconstruction Resourcing



A research project devoted to the improvement of the construction industry for rebuilding Christchurch

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News

• [Resourcing the Canterbury Rebuild - Changes and Emerging Themes](#)

2 August 2012

• [A summary of Baseline Study Reports is now available on the RecRes website. We hope you find it interesting!](#)

1 May 2012

• [Resourcing the Canterbury rebuild: issues and outlook: A supplementary report April 2012 released](#)

1 May 2012

• [RACER Survey re-launched](#)

15 April 2012

Welcome.

New Zealand is threatened by significant natural hazards. Past experience in New Zealand has demonstrated an ability to cope with small-scale natural disasters; but the recent September 4, 2010 and February 22, 2011 earthquakes in Christchurch has tested our ability to tackle a large-scale event. Given the amount of damage to residential property, commercial buildings and infrastructure, the repair and reconstruction in the quake affected areas will challenge the New Zealand construction sector in terms of resources and capacity. Resource pressures including shortages of materials, components, specialised skills, and professionals are likely to play out in pricing, quality and ability to deliver projects on time.

The University of Auckland is undertaking a research project entitled 'The Canterbury Reconstruction Resourcing' (referred to as RecRes). The project aims to understand the availability of resources that are required for repair and rebuilding of the damaged built environment. The project will monitor and evaluate resource situations as the repair and reconstruction proceeds on an on-going basis, and will inform the construction industry and recovery planning for the greater Christchurch.

Deliverables

- **Report 1:** Baseline survey results (January 2012)
- **Report 2:** Resource issues and outlook (April 2012)
- **Report 3:** Changes and emerging themes (June 2012)
- **Report 4:** Resource issues in past disaster recoveries - Australia, China, Indonesia, Christchurch (July 2012)

Forthcoming outputs

- **Report 5:** Resourcing case studies of construction organisations (December 2012)
- **Report 6:** Tackling housing crisis for construction workers - New Orleans, Kobe, Tohoku, Haiti, Indonesia, Christchurch (December 2012)

Outcomes

- Industry peer learning
 - increased awareness
 - learning cross organisations/sectors
 - preparedness
- Improvements of practice
 - information sharing
 - decision making

Thank you! & Questions?

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