

Lessons on Recovery: Key learning from past crisis events

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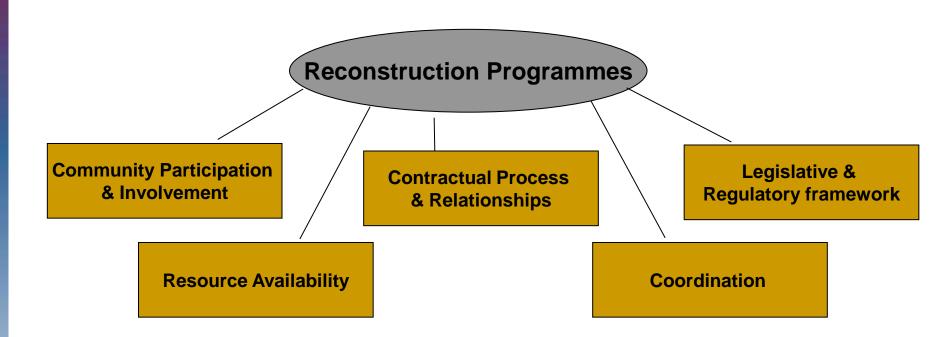
Six year research project designed to assist New Zealand organisations to recover economic competitiveness after hazard events by improving their resilience.

Planning, prioritisation and deployment and legal issues faced by New Zealand institutions.

- 1. Organisational planning for hazard events (Erica Saville)
- 2. Prioritisation and deployment of physical and human resources for recovery (Andre Dantes)
- 3. Legal and contractual frameworks for post-disaster reconstruction (Suzanne/Regan)



Reconstruction



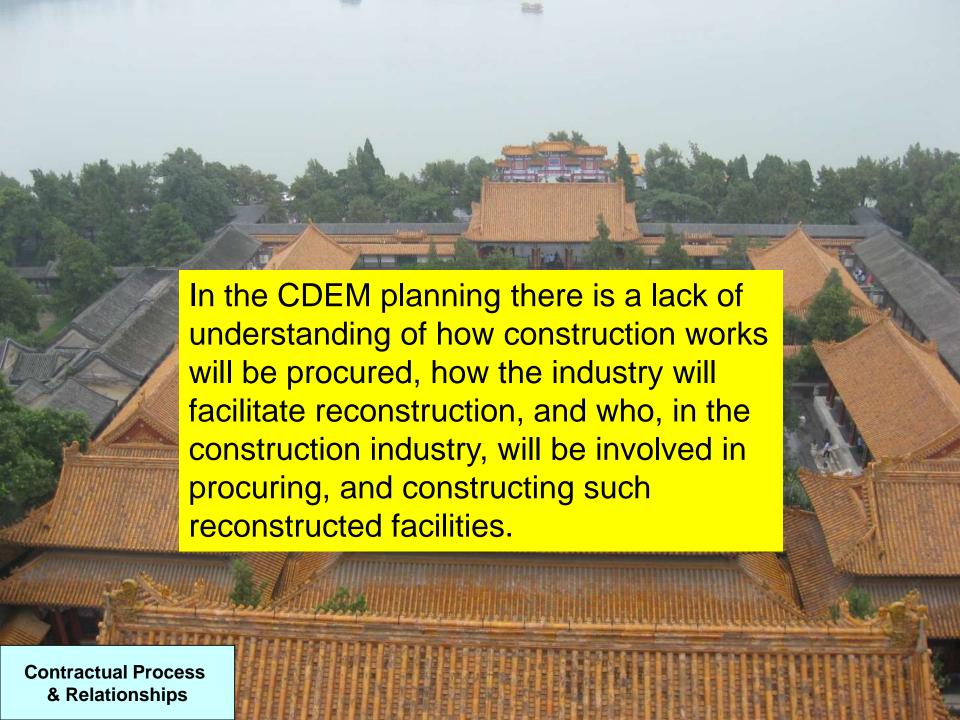




Construction Industry – Role in a major crisis?

- Project management and stakeholder participation in reconstruction
- Legal and policy frameworks for reconstruction
- Finance and resources for reconstruction
- Urban planning and design for post-disaster reconstruction





Collaborative relationships may be useful postdisaster

Requirements: shared project objectives, shared risk and reward mechanisms, high degree of trust







The construction sector's role

Scenario:

- The coordination and management of reconstruction
- Procurement and delivery of projects
- Engagement of stakeholders in the process.
- Understand reconstruction needs of a community during response and recovery stage









MCDEM- communities are to lead recovery

housing/infrastructure projects by local communities show success (lessons from Indonesia Ache)



Involvement of community in housing design and rebuilding is effective (lessons from India)

rebuilding and reconstruction planning

– construction industry involvement
with communities?- need training,
management, direction







AGENCIES AND PARTNERSHIPS

Construction business, Govt and NGO's have different projects, they lack overall coordination (lessons from Turkey)



Collocating of staff (of NGO /Agencies/ industries) has worked well to build trust and develop deeper understanding of each others programs and ways of working.







Planning, management and coordination of disaster recovery

Requires an integrated, multi-level and Multi-stakeholder

Current disconnect between Govt, business, agencies









Key Messages

Partnerships work

Collaboration works

Community Involvement works

How do we instil these ideals in National Recovery and Reconstruction Plans?

Can the construction industry cope with a disaster?











Legal and policy frameworks for reconstruction

Procuring reconstruction requires innovative administrative mechanisms and...

Assistance required from central governments to develop the administrative and legal means to be able to alleviate recovery pressures.

Need to simplify the consents process

Need to understand full implications of administrative and legislation impacts post-disaster









Legal and policy frameworks for reconstruction

Without effective legislation it is difficult to implement solutions post-disaster (*Turkey*)

Essential to plan ahead for robust legislation and administrative systems in post-disaster scenarios





Between councils in NZ, for resource sharing in the event of a major disaster, there are loosely written MoU's.

These memoranda are:

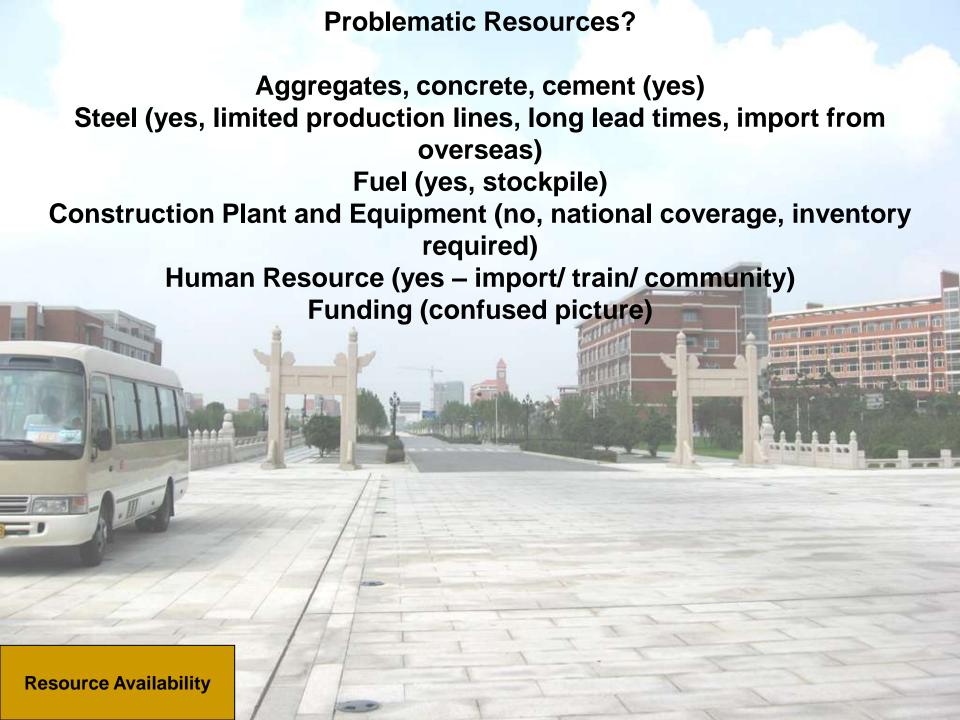
- very generic
- may not commit neighbouring councils to their implementation

People are generally not aware/unsure of MoU existence in their councils or not aware of the contents.





The National Civil Defence Emergency Management Plan, acknowledges New Zealand may need to mobilise all nationally available resources because it has finite capacity and capability for response and recovery. Sourcing and co-ordinating the use of these resources will be a major challenge and needs to be planned in advance.





Lessons: Finance and resources for reconstruction

Do we understand the cost implications of a major disaster?

- Need to incorporate cost-escalation into rebuilding budgets... demand increases the need... demand requires planning.
- Resources are scarce post-disaster and pre-planning is required









Problematic Resources?

Competition, cost-inflation, importation required, low supply, high demand, lack of skilled labour Requires: priority resource use, inventory of resources





Lessons: Finance and resources for reconstruction

- People are willing to invest in their own housing construction post-disaster
- It is possible to incorporate disaster risk reduction features to housing reconstruction without much additional cost if it is incorporated at the stage of planning (India)
- Competition affects supply, need to prioritize scare resources









Resource Solutions





Lessons: Urban planning and design for post-disaster reconstruction

 An inefficient or poorly planned response can impose additional social, economic and environmental burdens on an already impacted community

Relocation of towns, viability of land for building, accept that some land is not suitable for reconstruction postdisaster.





What gets built and when it gets built is critical for the long-term recovery and resilience of a community

Community, Government, agencies and organisations need to be agree what gets built first, from major arteries, infrastructure, public facilities, houses



Reconstruction Requires:

Flexible legal frameworks with suitable procurement strategies and robust delivery mechanisms.



