Cambridge Judge Business School

Centre for Risk Studies 7th Risk Summit Research Showcase

Recovery and Resilience after Catastrophes

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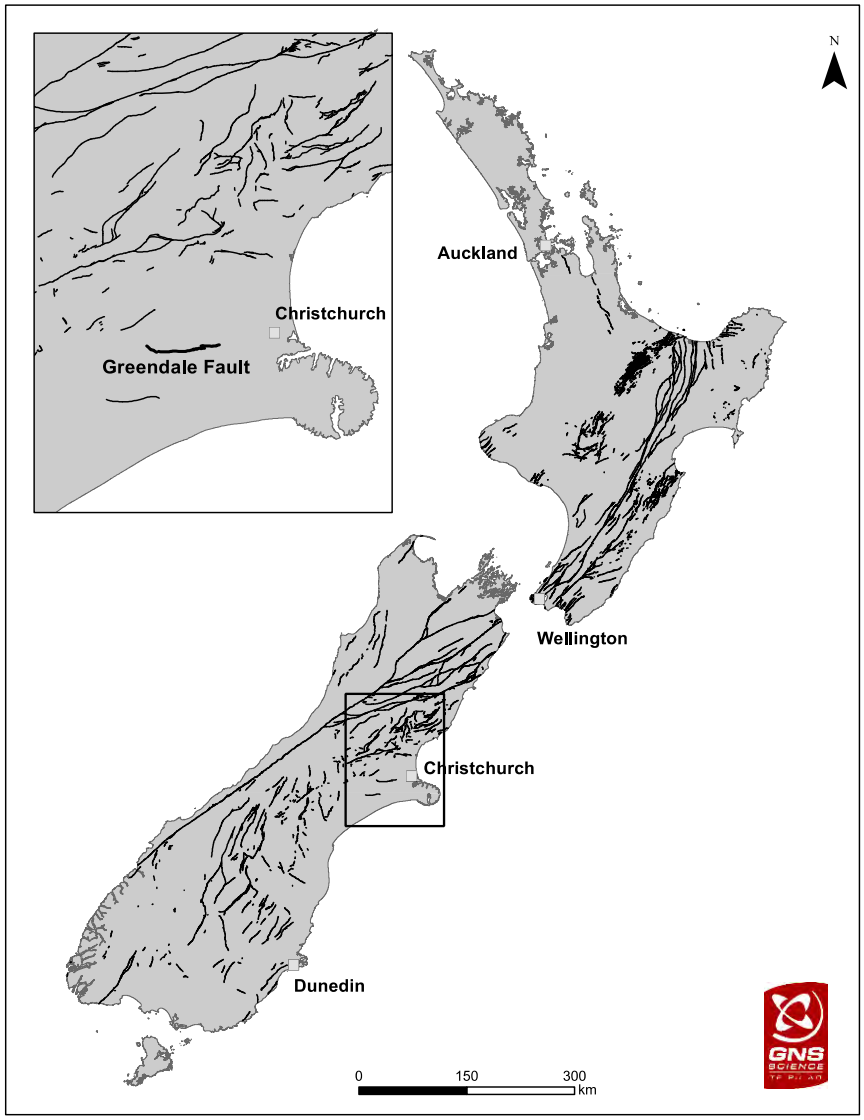
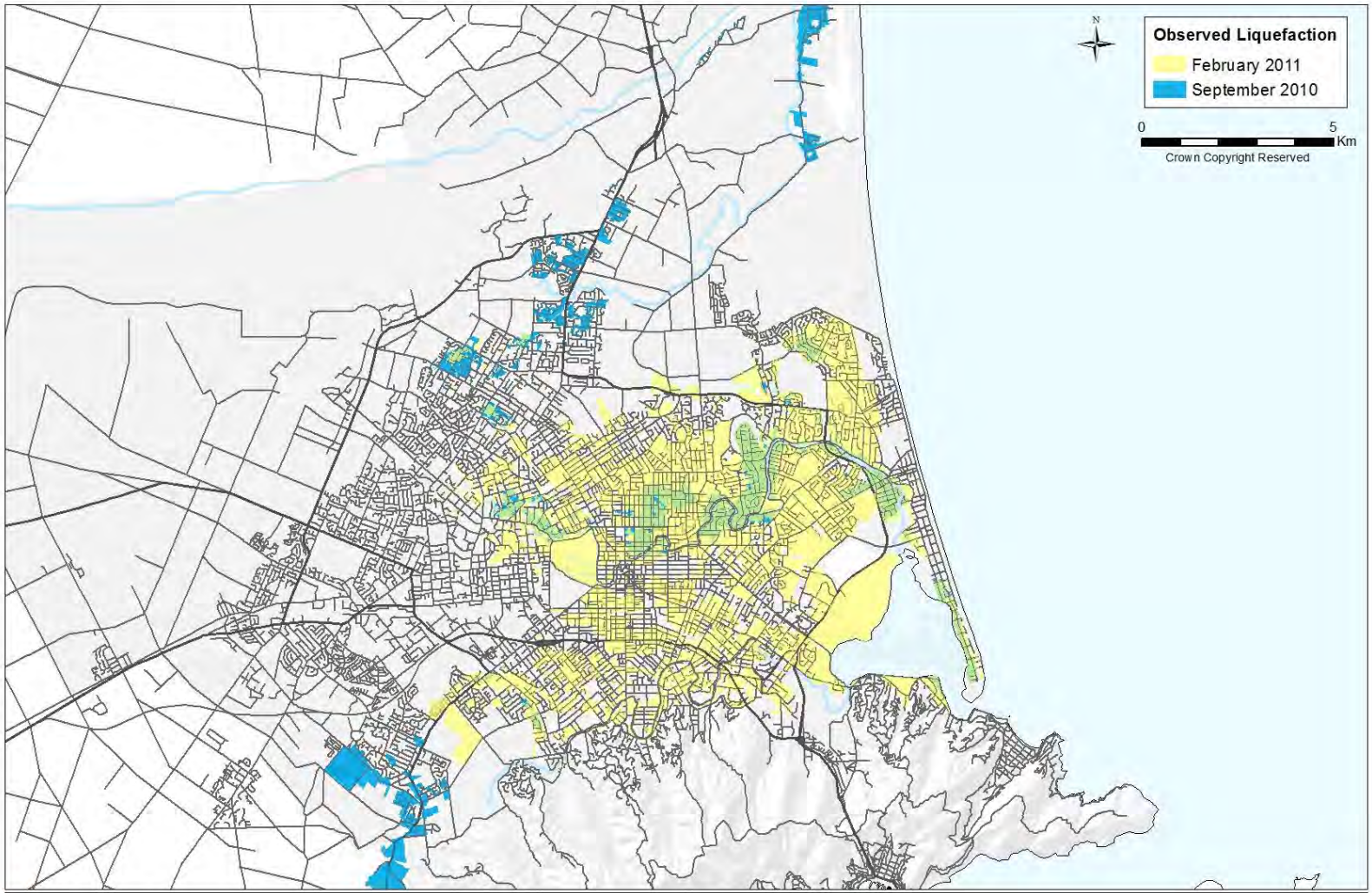
New Zealand: An Earthquake-Prone Country



Severity of Damage Following Christchurch EQs



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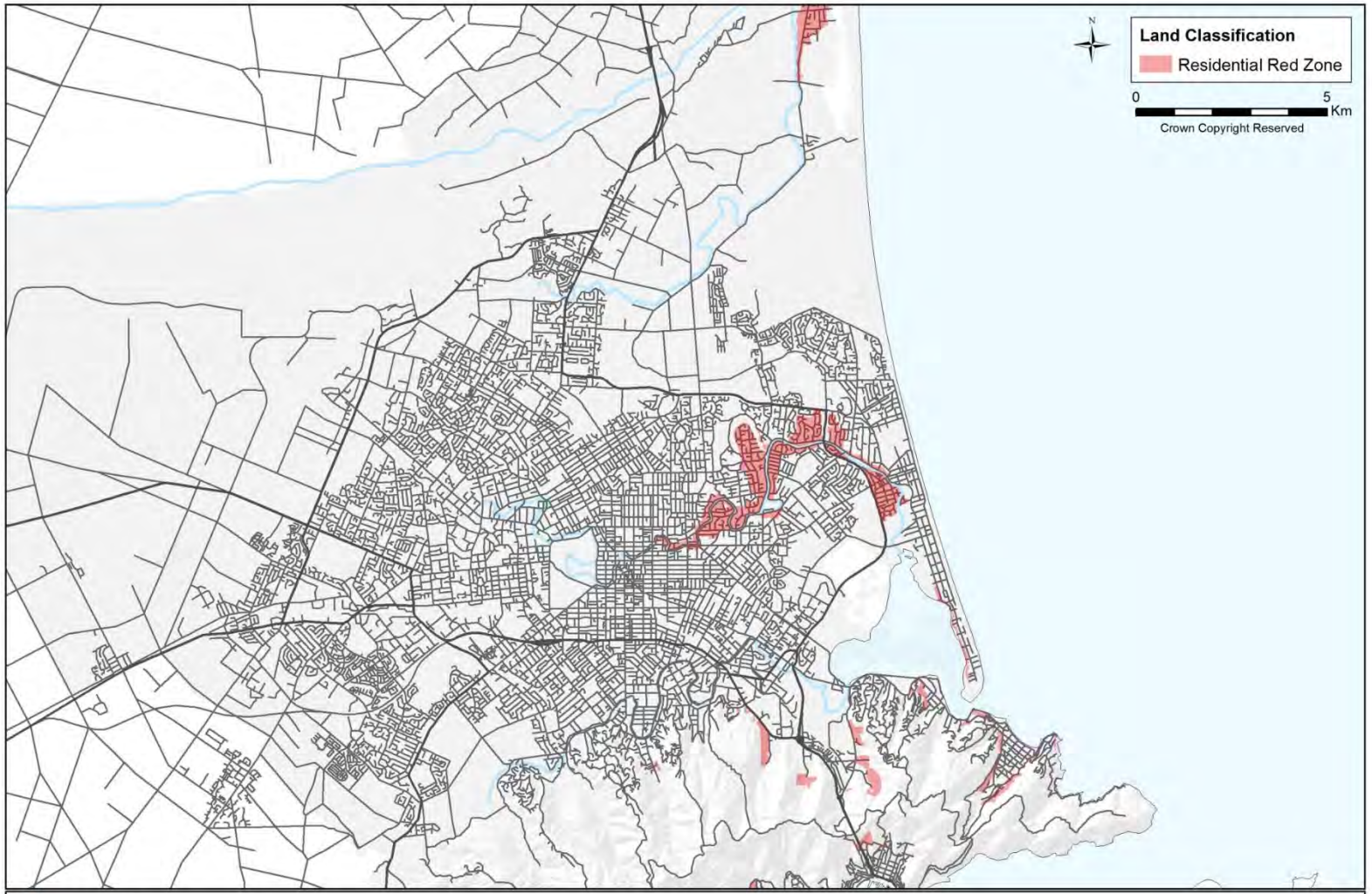


View of Christchurch from the Port Hills

A focus on infrastructure systems

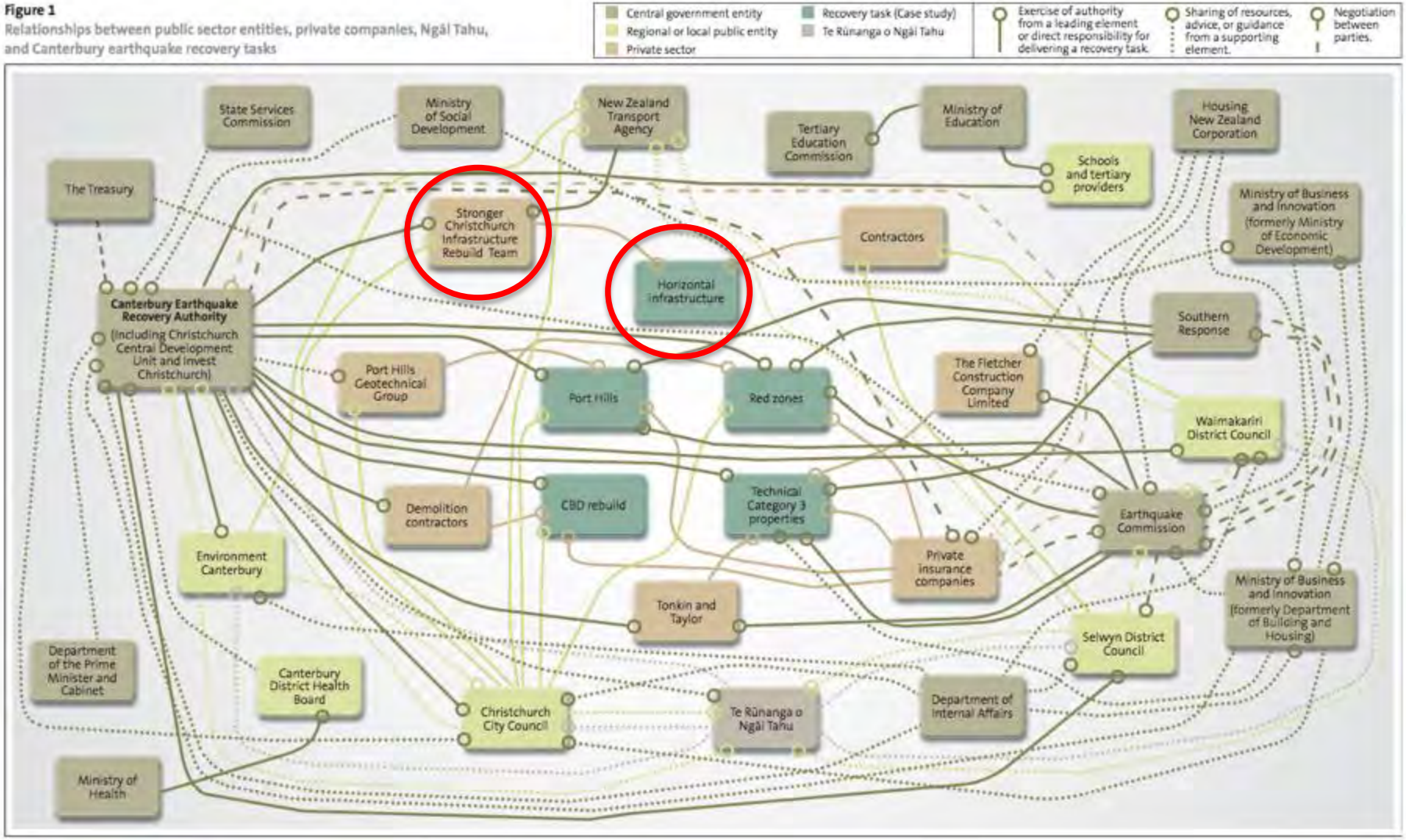


Figure from a 2012 parliamentary paper: "Roles, responsibilities and funding of public entities after the Canterbury earthquakes", Office of the Auditor General, New Zealand

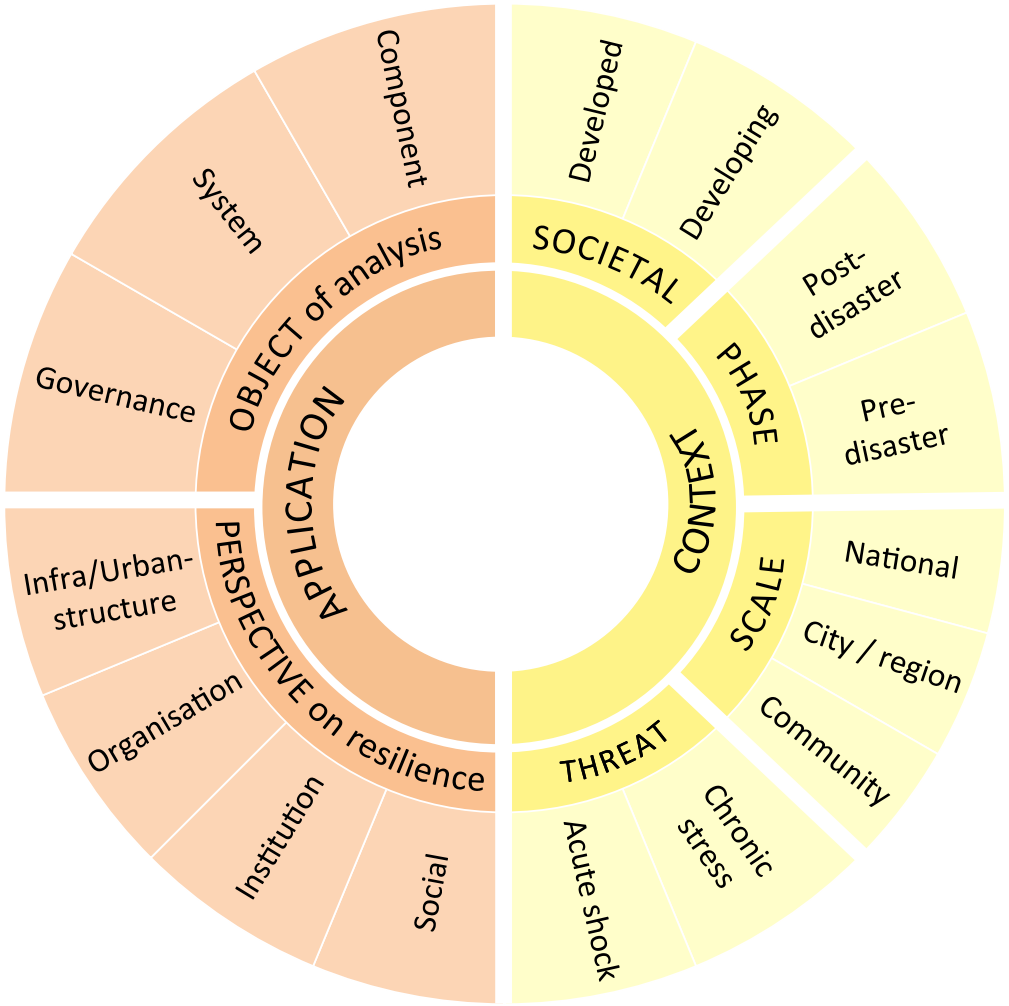
Opportunity to Build Resilience?

Photo credit: SCIRT

What factors influence the opportunity to enhance the resilience of civil infrastructure during reconstruction?

How do these factors affect the outcome?

Resilience of What to What?



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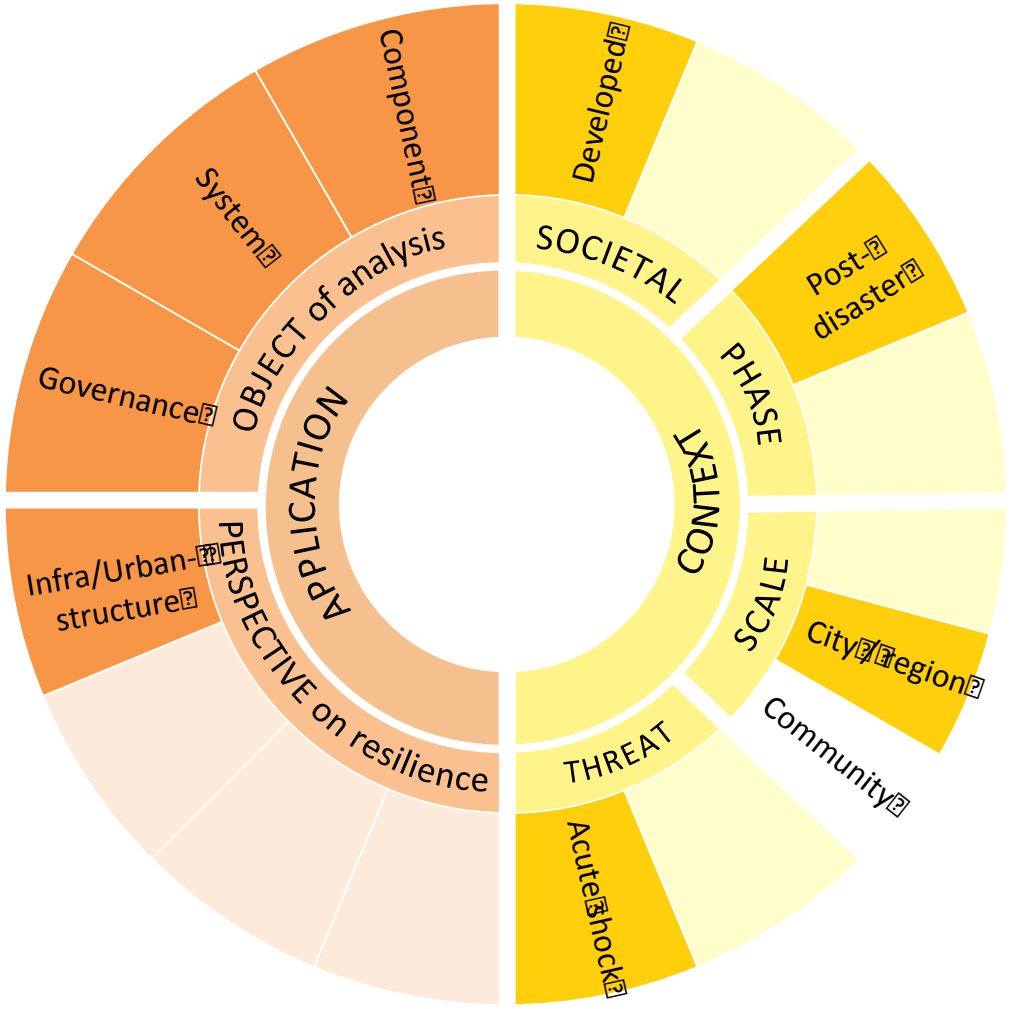
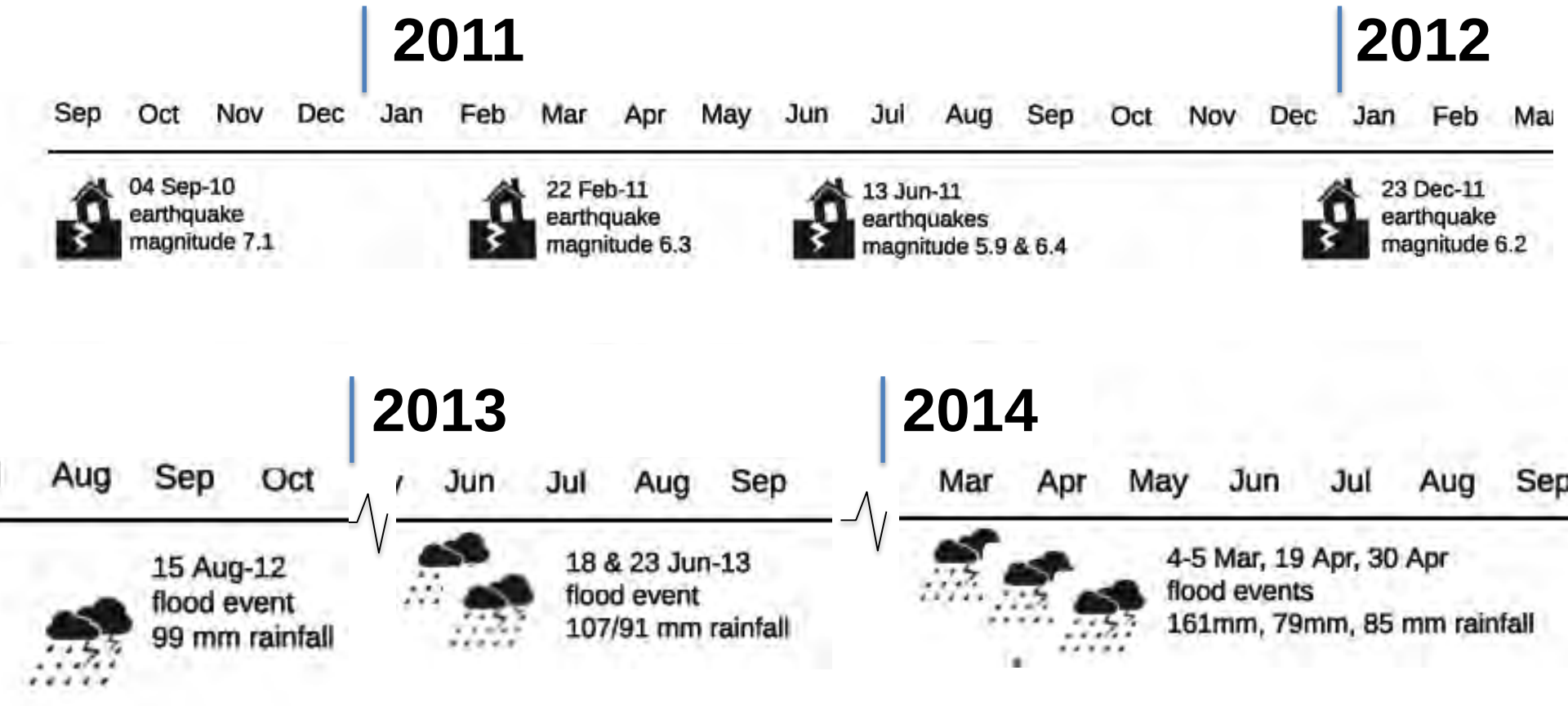


Longitudinal Study of Recovery



Longitudinal Study of Recovery

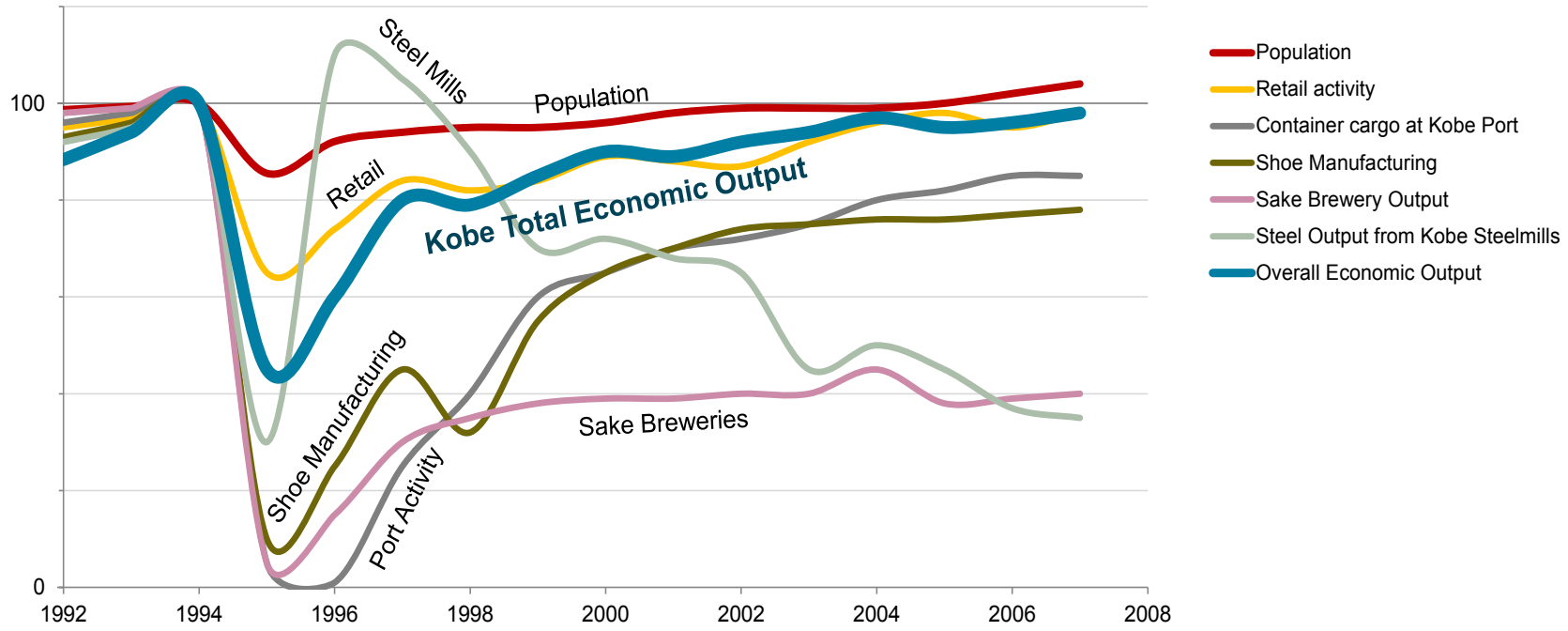
[LINK TO PDF FILE – Illustrative timeline of developments]

Key Research Findings

- **Funding mechanisms** proved to be a crucial issue.
- **organisational arrangements** both facilitated and inhibited opportunities for enhancing resilience.
- An **iterative approach to infrastructure planning and design** is a useful strategy for managing reconstruction.
- **Community interest** in the reconstruction influences outcomes. Making decisions on the basis of urgency may not lead to community acceptance.

Next Steps with the Centre for Risk Studies

- Case studies of recovery – mapping the recovery or “resilience” profile.



Example for Impact of the 1995 earthquake on the Economy of Kobe, Japan

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