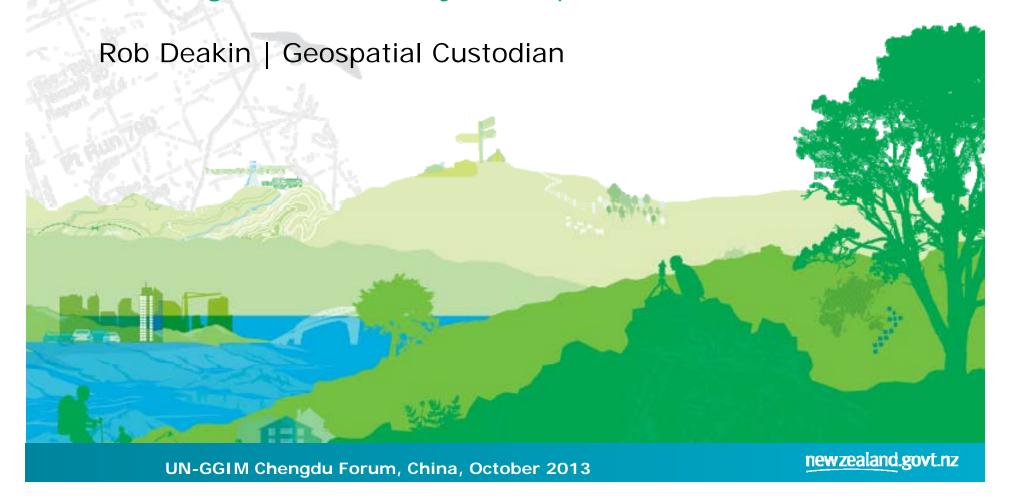


Responses and opportunities for recovery and SDI development

following the Canterbury earthquakes in New Zealand



Enablement & Opportunities:



- Response
- Recovery and rebuild
- Strengthening

Canterbury earthquakes



- 4 Sept 2010 7.1
- 22 Feb 2011 6.1
- 11 June 2011 6.4
- 23 Dec 2011 5.9 & 6.0
- > 10,000 recorded events
- 185 fatalities
- \$20 bn damage / 9.5% GDP
- 3.2% of the nations capital stock lost
- New Zealand's 2nd largest natural disaster

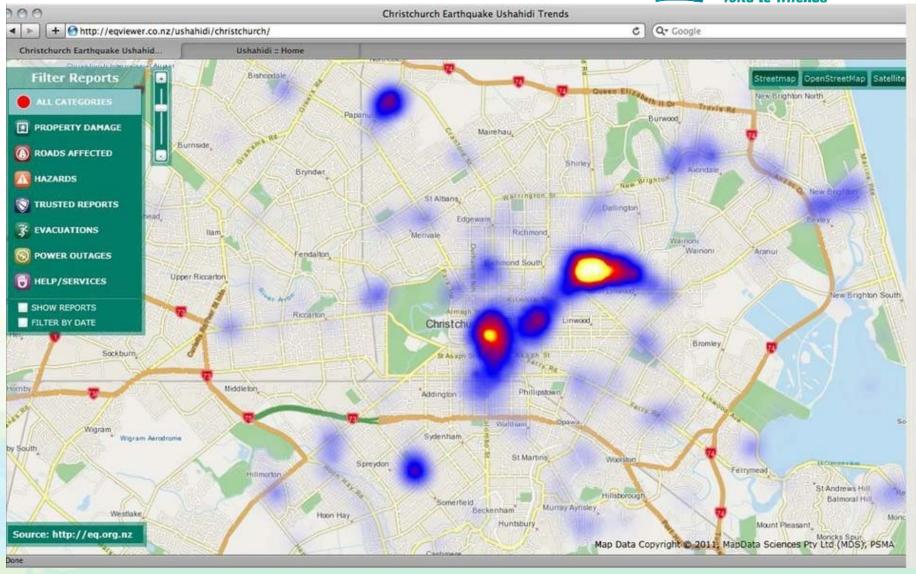






Initial response







Recovery opportunities:

Work to progress the New Zealand Geospatial Strategy focused on key elements:



Standards



Data



Investment



Access



Governance

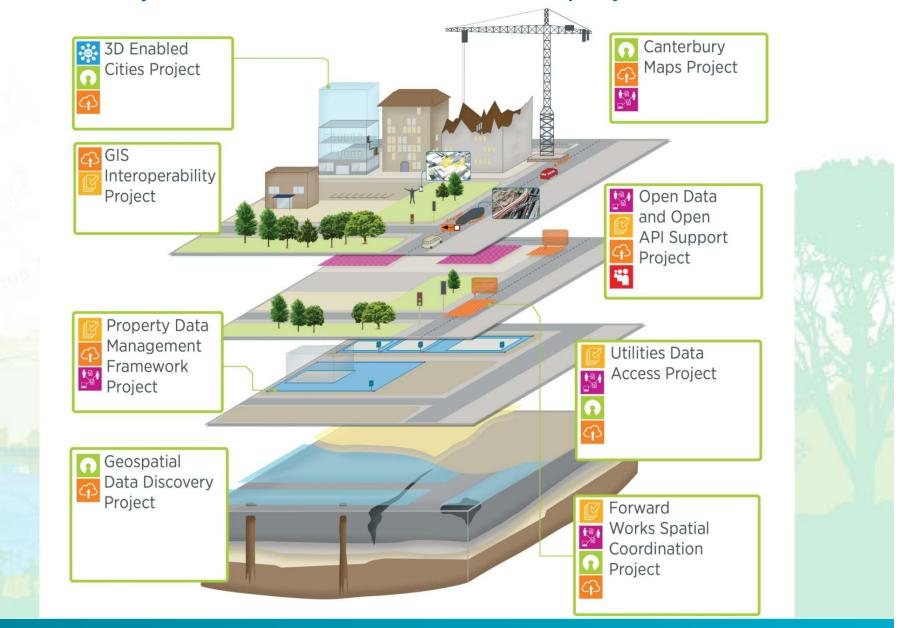


Capability



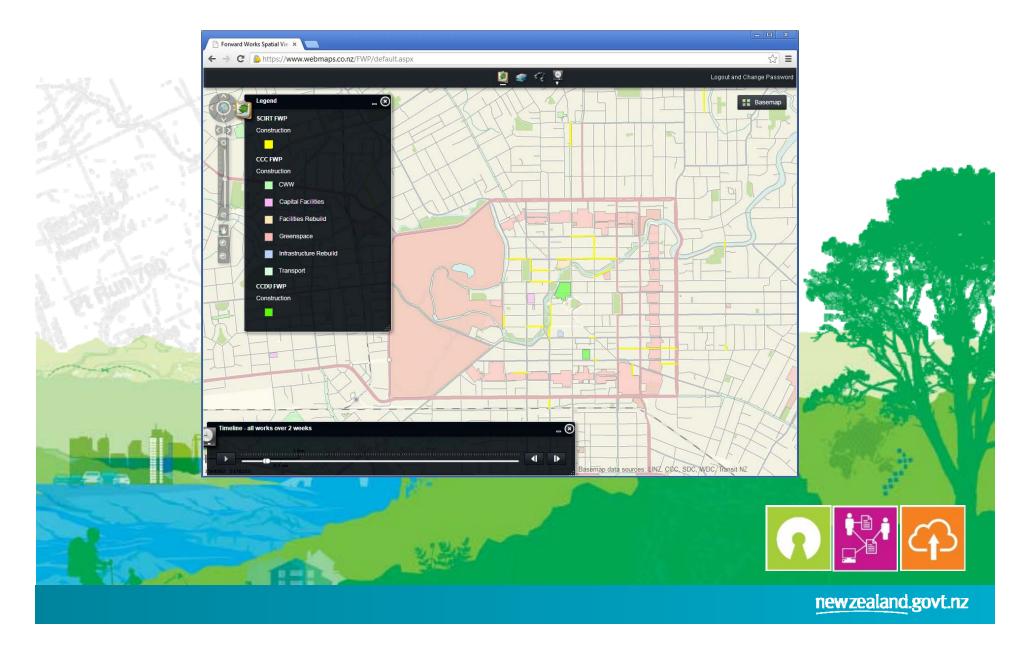
Coordination

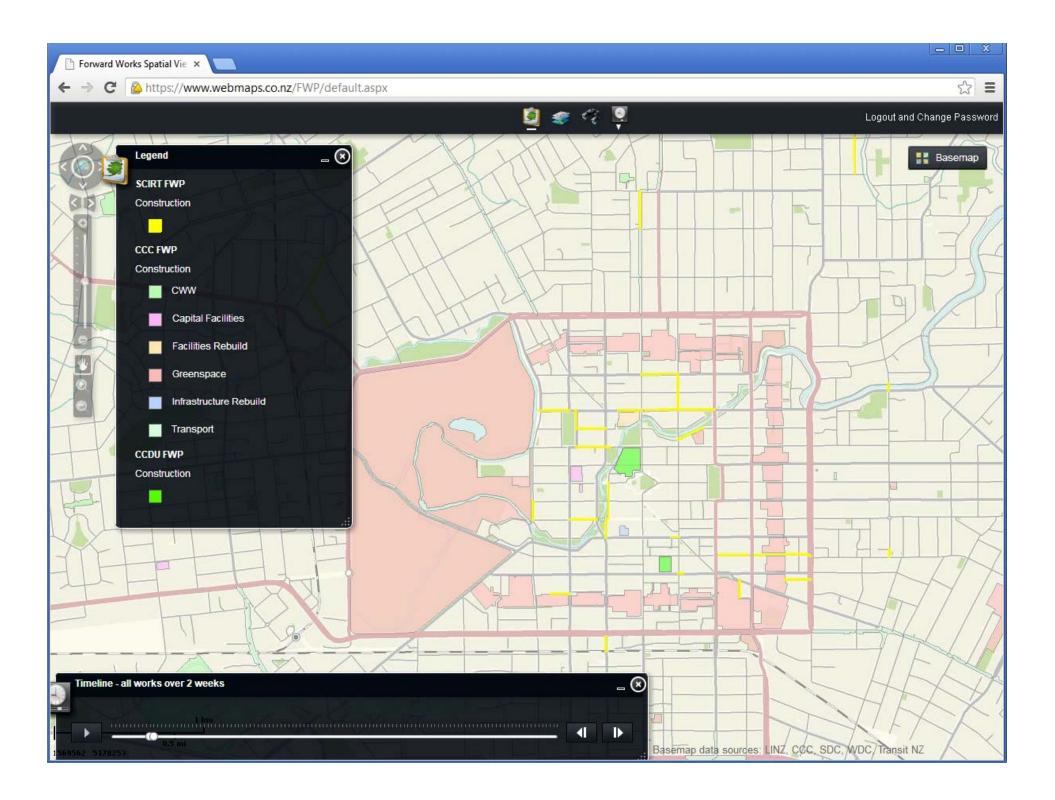
Canterbury Rebuild – 8 interrelated SDI projects

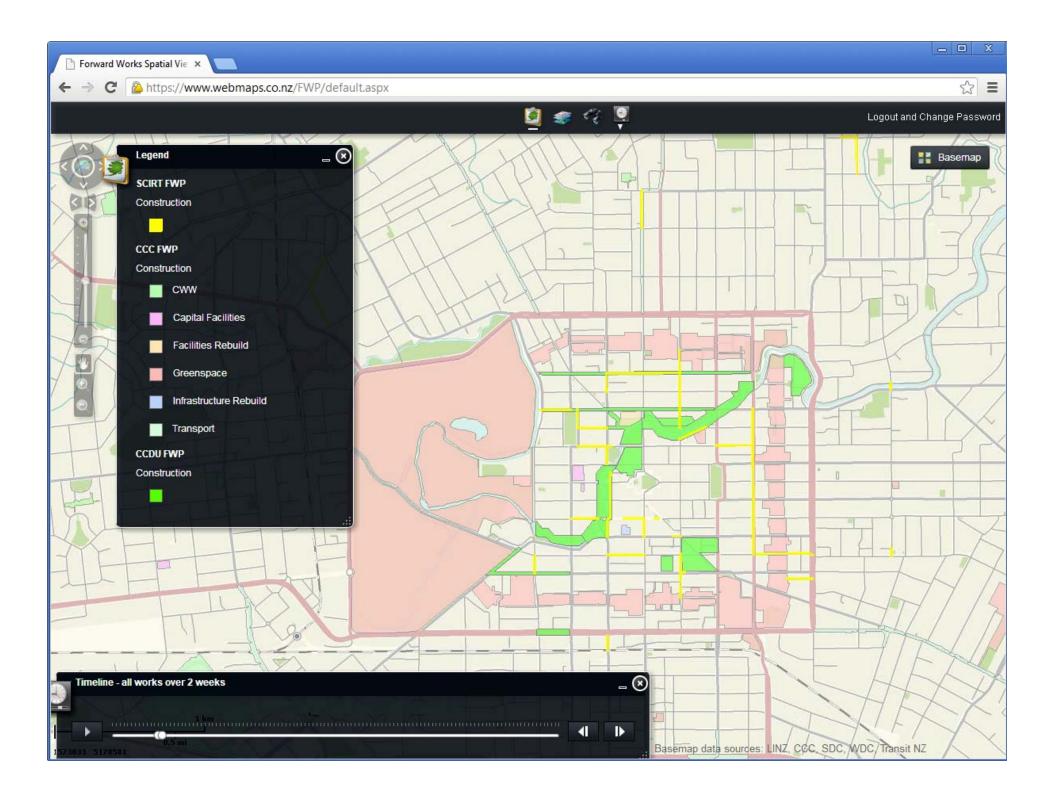


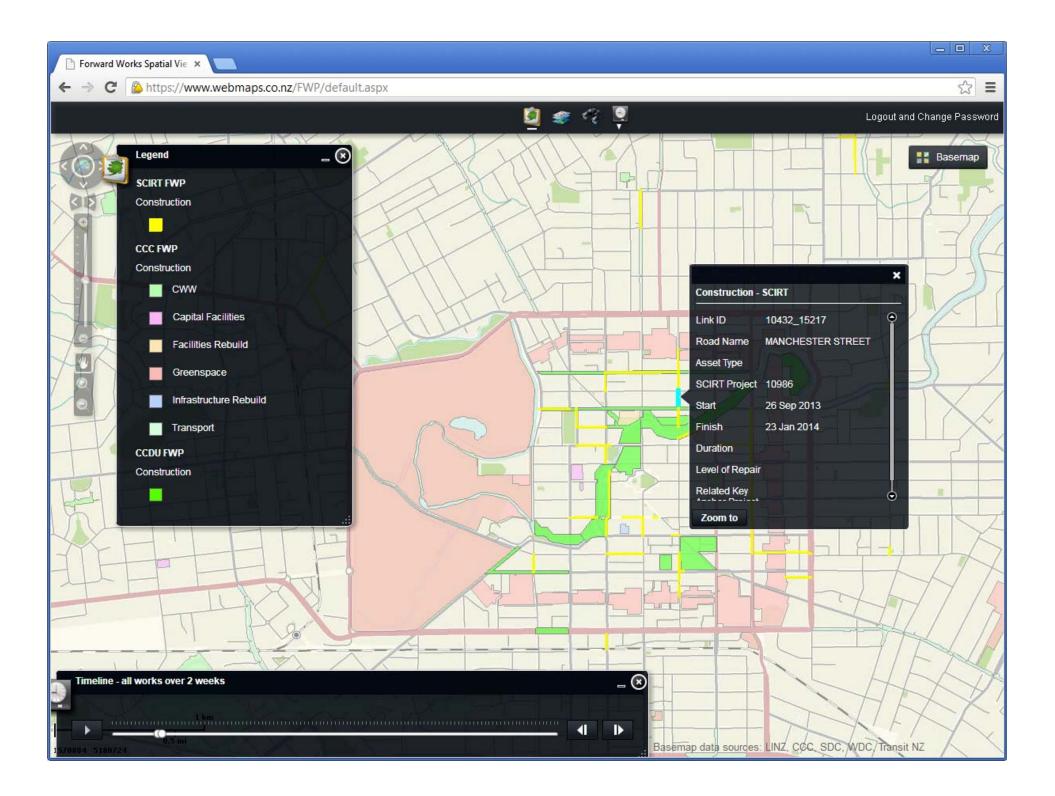
Forward Works Spatial Coordination

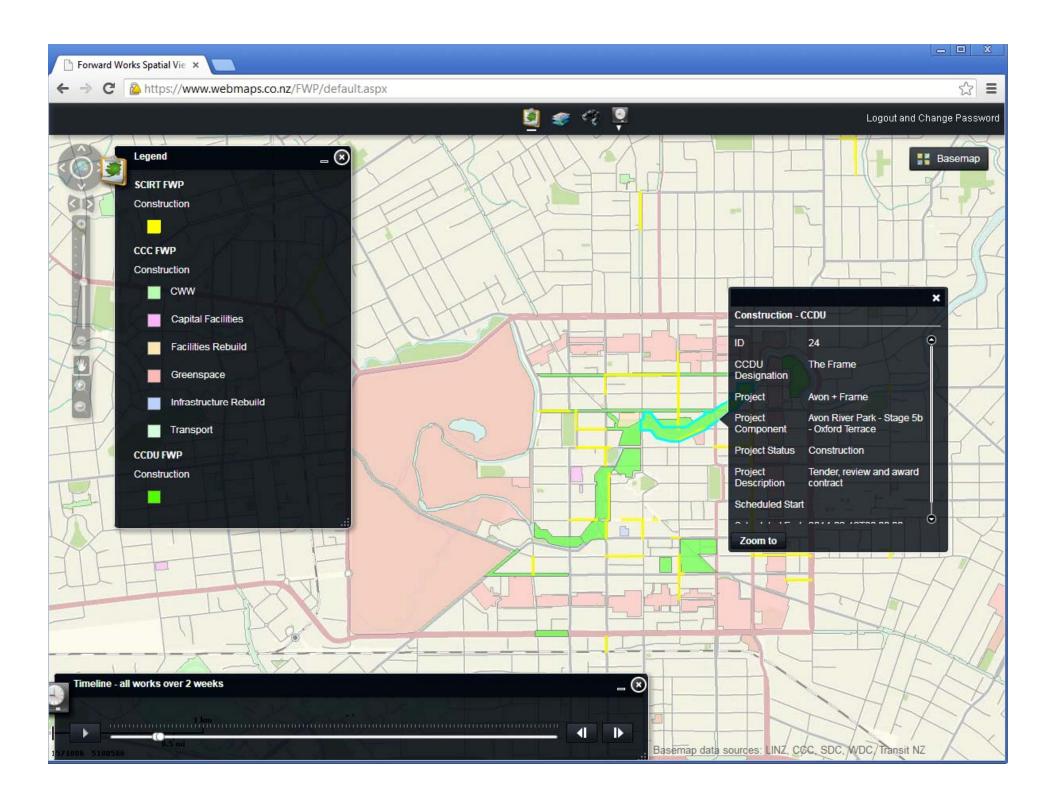












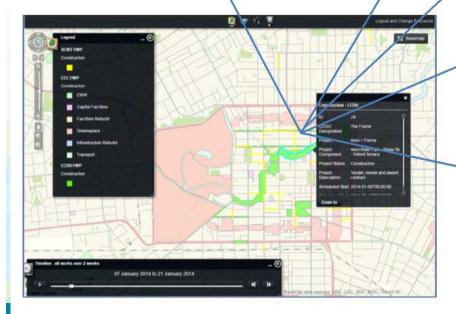
Supply chain modeling









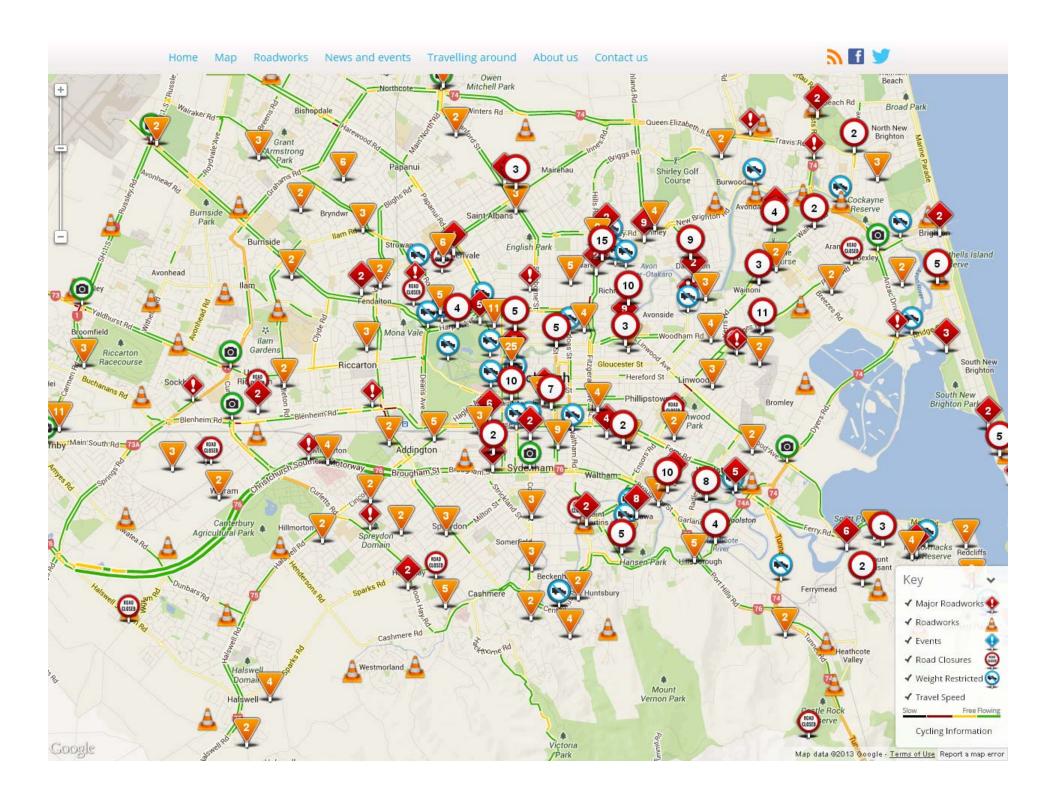


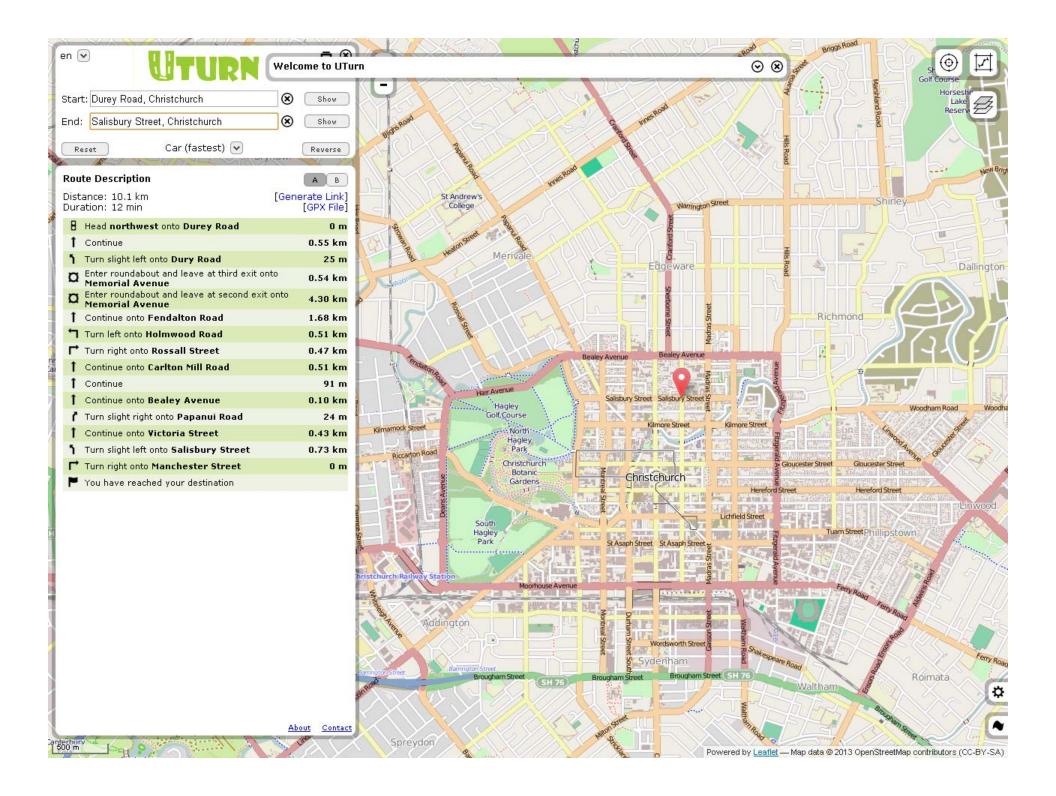


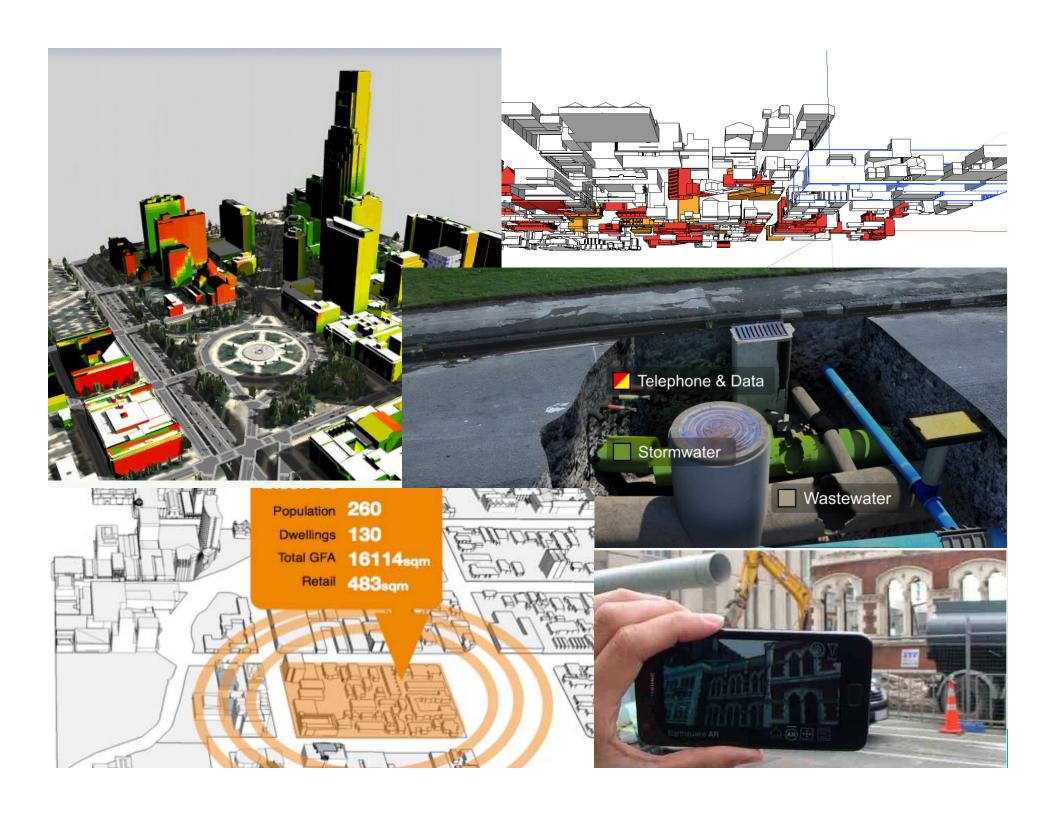


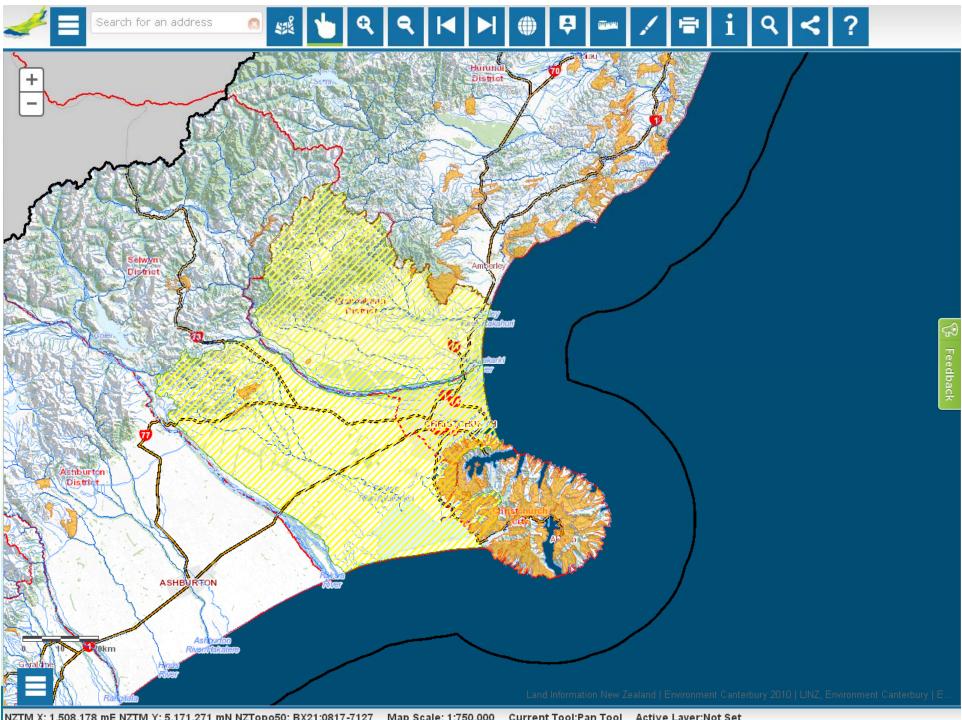


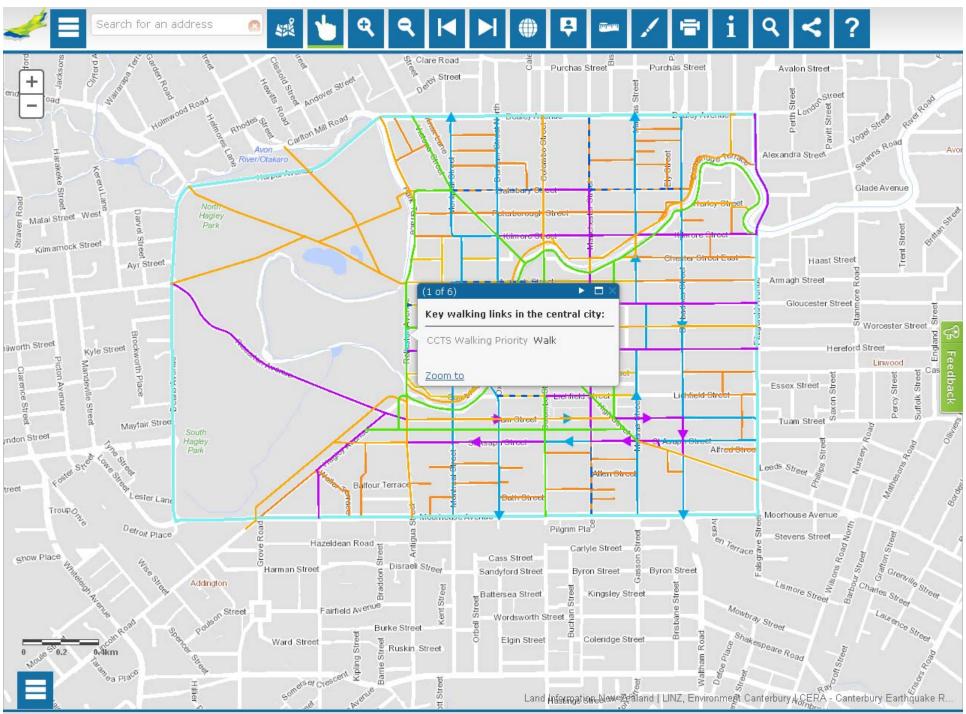












Summary:



Investing in an SDI framework that will enable better preparedness and response next time

Response



Geospatial data and technology greatly assist in the immediate disaster recovery phase

Prepare



Recover

Providing benefits to the \$40 billion rebuild programme



