Canterbury SDI: lessons learned from post-earthquake recovery

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FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2–6 MAY 2016
The case for change
8 SDI focused projects to support recovery

- **The 3D Enabled Cities Project**: will provide an interactive record of the buildings lost, assist in planning and designing new buildings, and help Cantabrians see what their city will look like in the future.
- **GIS Interoperability**: will enable agencies to more easily exchange their spatial data using open standards, ensuring rebuild partners can work together more efficiently.
- **The Property Data Management Framework**: will make it easier to share accurate, reliable, and connected data about land parcels, titles, rating units, buildings, addresses and ownership.
- **The Geospatial Data Discovery Project**: will make it easier for recovery agencies, businesses and community groups to discover and use the wealth of publicly accessible location based information, and make confidential or not yet released data easier to discover and securely share between relevant agencies.
- **The Utilities Data Access project**: will ensure recovery agencies and construction companies involved in the rebuild have access to up to date utilities network asset and forward works information.
- **Canterbury Maps**: is providing a single portal into interactive maps with data on air, water, land, transport, council services, and recreation from across the region.
- **The Open Data and Open API Support Project**: encourages the development of smartphone apps using open government data, for example services giving Cantabrians up to date road closure information.
- **The Forward Works Spatial Coordination Project**: helps agencies share information about current and planned horizontal infrastructure and built environment construction, and repair and maintenance activities, enabling them to visualise planned repairs by location and time, to help minimise disruption and ensure efficient planning and coordination.
Forward Works Viewer

Construction Package 1 & 2
- East Frame: Block B (Gloucester to Hereford)
- Block C (New for advisors)

147 Days
Start: 02/12/14
End: 25/06/15

Project Summary
ID: 34
Type: Vertical Construction
Status: Construction
Integrated property services

1. Disconnected Property Information
2. Find Who Produces and Uses Property Information
3. Driving Change
4. Connecting Property Data
5. Open Access

Platinum Partners:

Diamond Partner:

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Lessons:

Partnership buy-in
Technical complexity
Resource availability
Opportunity v’s Ownership
Exit strategy
Benefits realisation