



2015 National Lifelines Forum

21-22 October 2015

The Christchurch SCIRT Legacy project

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New Zealand Government



SCIRT – what is it?

- Collaboration of 8 parties - relationship contract
- set of objectives
- programme of projects
- production line – asset assessment to handover
- commercial model – cost control
- ‘unique’ – built from scratch
- intentional ‘Peak Performance Plan’
- stakeholder and community engagement
- measure ‘everything’.



CERA



city & care

HDWISSER



Is it working?

- got things working
- given confidence
- controlled costs
- flexible
- innovative
- made mistakes
- learnt
- been recognised.



Status

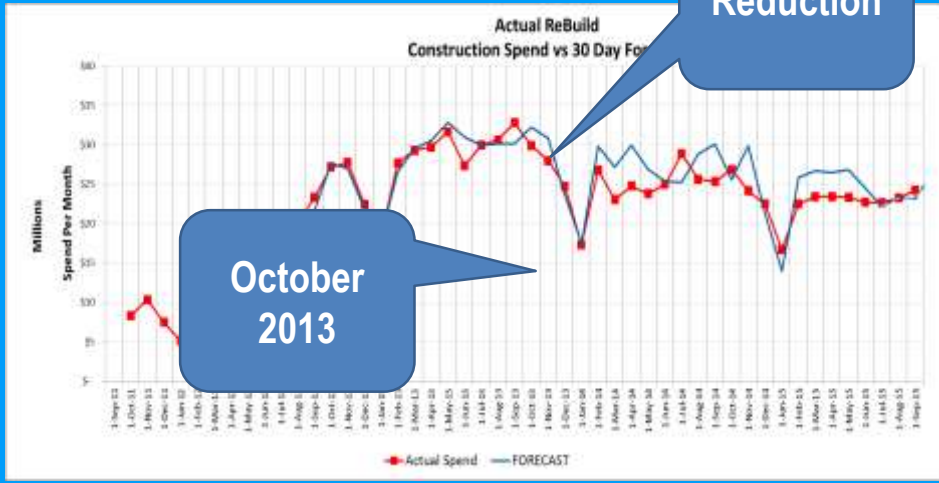
Programme	Life to Date	Actual Cost	Percent Complete (based on FFC)	Percent of Programme Cost (based on FFC)	Forecast Final Cost (Previous Month)
Asset Assessment	131,383,136	1,299,496	99%	8%	132,582,620
Design	11,136	139,730,883	94%	6%	139,730,883
Delivery			78%	64%	1,399,850,456
Total Direct		1,657,830,372	81%	70%	1,672,161,959
Delivery Indirect	14,931	148,007,932	72%	7%	148,007,932
SCIRT Indirect	11,569	137,222,484	83%	6%	137,222,484
Total Indirect	26,500	285,230,426	77%	13%	285,230,426
Limb 1	1,568,466,427	374,594,371	81%	89%	1,957,394,385

Design
94%

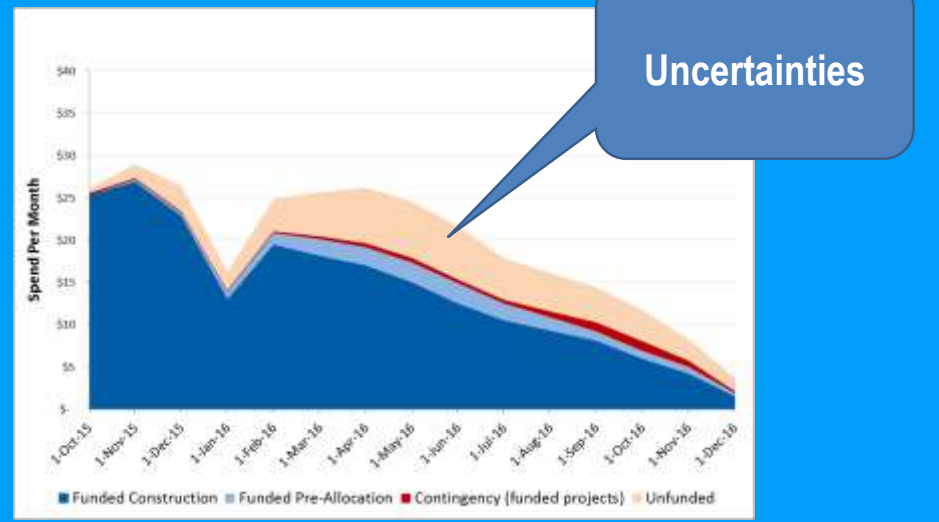
Construction
78%



throughput



Outlook



Legacy

What?

- Foundations
- Model
- Systems
- Culture
- Tools

Who for?

- Disaster 'industry'
- Government
- Local Government
- Institutions
- Industry
- Academics

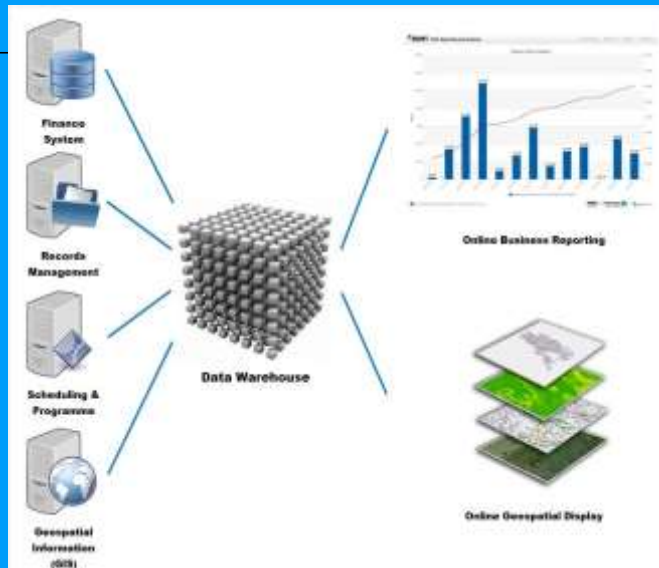
How?

- People
- Support
- Forums
- Internet
- Publications
- Papers



Data

- Many sources
- Linked warehouses
- BI & GIS views
- Integral system
- Live information



Sample tool – pipe data

- Asset information
 - Observation
 - Location
- Recording
 - Database
 - Business systems.



Database

Data

- Link to CCTV
- Location
- Link to Maps
- Condition - faults

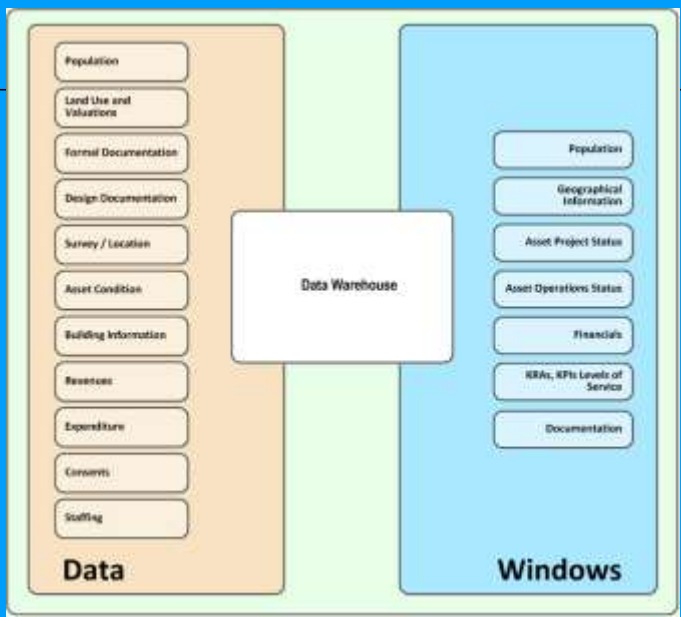
Functions

- Queries
- Reports
- Linked to business systems – planning, projects, financials, Long Term Plan



LA Data

- Many sources
- Linked warehouse
- Many BI & GIS views
- Integral system
- Live information



Business

Foundation

- Truth
- Live
- Integrated

Result

- Enabling
- Informing
- Future ✓



Legacy

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- Model
- Systems
- Culture
- **Tools**

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- **Local Government**
- **Industry**
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Questions?



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