

User needs (present and future) and the data audit

Paul Kelly
Spatial Strategies Pty Ltd



User Needs Analysis

- ✓ Over 50 key areas of application
- ✓ Diverse needs for coverage and resolution
- ✓ National agencies want consistent specification
- ✓ States want seamless multi-resolution, extensible DEMs and program to infill gaps
- ✓ Industries such as insurance and mining want better access to existing elevation data
- ✓ All want access to emerging high resolution products
- ✓ Strong support from all sectors and levels of government for a national framework approach.



Key Needs

- Better data available;
- Improved usability;
- Remove barriers to data and resource sharing;
- Improved access to data and products.



Data Audit

- GA Audit identified 900 separate elevation data sets across governments;
- Most project driven;
- Every jurisdiction covered and national coverage, mostly (improved) map data;
- Diverse, no consistency in specifications or documentation, little user guidance.



National Framework

- National standards for elevation data and access;
- Meet multiple requirements using diverse sources;
- Ability to find and source data;
- Advise fitness for purpose;
- Update data to reflect change;
- Fill gaps in data;
- Adopt an iterative approach.



Priorities

- ✓ Governance arrangements that foster collaboration;
- ✓ A standards-based approach that facilitates integration;
- ✓ Access arrangements that facilitate sharing and reuse of data and address issues such as licensing, security and liability;
- ✓ Consistent access mechanisms, including a virtual repository and one stop portal;
- ✓ Research to address and resolve remaining issues.



Business Plan

- ANZLIC to sponsor governance and engagement, take issues back to COAG;
- Steering group to develop business model and steer implementation;
- Provider for virtual repository and one-stop portal;
- ICSM to resolve datum and standards;
- Commonwealth agency to coordinate investment in national acquisition;
- Commonwealth agency to develop public interest nested DEM product.

