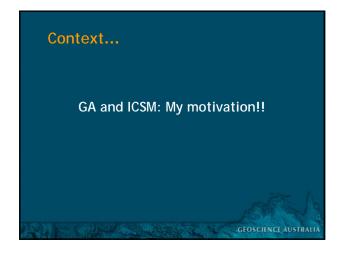


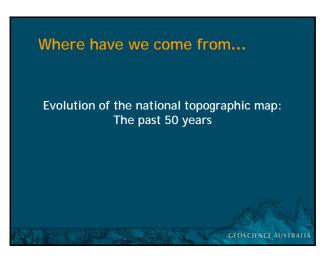
Presentation outline Context Australia's geography - size does challenge us!! Geoscience Australia and ICSM Where have we come from? The past 50 years - post war reconstruction Delivering the maps and data Where are we now? Maintaining and sustaining maps and data NTICI Where to from here? The future state - technology, drivers & collaboration

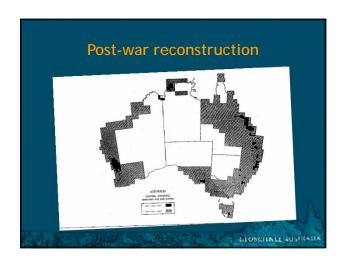


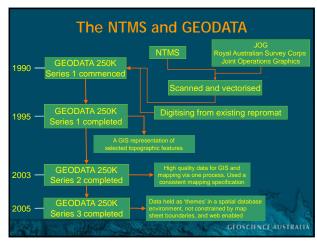


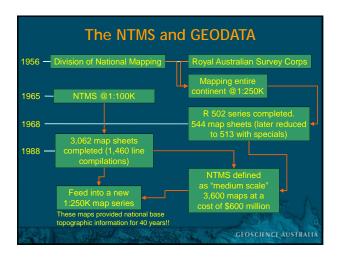
Context... Geoscience Australia National Mapping & Information Group (NMIG) Required to provide fundamental geographic information at a national scale in a form that facilitates Australian Government and community decision-making and industry development Strategic objective: Authoritative source of fundamental geographic information for Australian Government.....to provide improved evidence based policy and decision making ICSM Permanent Committee for Topographic Information (PCTI) Provide leadership in the collection, maintenance and delivery of topographic information through the participation of all of the jurisdictions in collaborative arrangements involving other key government and industry stakeholder groups Membership consists of representatives from the lead topographic mapping agency in each jurisdiction

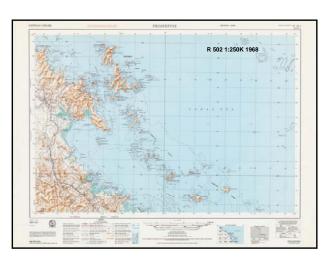




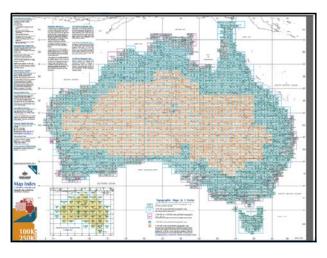






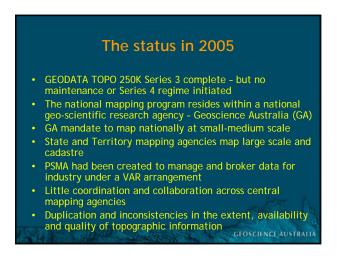


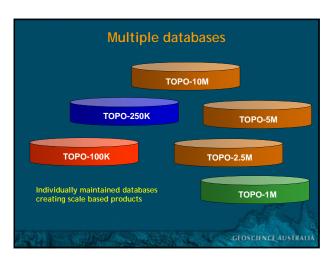
















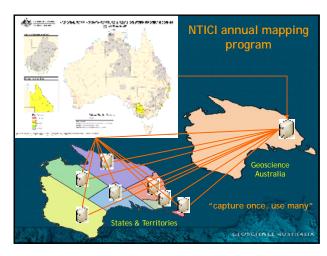


NTICI Sustaining national topographic mapping

- PCTI established the National Topographic Information Coordination Initiative (NTICI)
- A framework under which a collegiate approach to the topographic mapping of Australia is undertaken
- A whole of government approach to the collection, integration, dissemination and maintenance of topographic and related information to meet the needs of governments and the public
- A mechanism to add value to the topographic layers of the ASDI, whilst recognising the different but complementary roles and responsibilities of the spatial data agencies in the jurisdictions

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NTICI benefits

- Improved availability of accurate, up to date, reliable and accessible large scale topographic information
- Maximisation of the efficiency and effectiveness of government expenditure on topographic mapping and related activities
- Development and promulgation of standards and strategies to alleviate inconsistencies in the national topographic framework and promote on-demand access (interoperability)
- Strengthened jurisdictional relationships and capacity through sharing and exchange of ideas
- Resilient whole of government approach to topographic data collection, integration, dissemination and delivery

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NTICI limitations

- · Relationships are excellent, but informal. No MoU or Heads of Agreement in place
- No vision of how NTICI relates to other mapping programs that jurisdictions may be involved in
- No strategy that defines the custodian of the data and how future data maintenance will be carried out or fed back
- Mapping proposals do not consider more broader Australian Government priorities
- Forward program needs to be more strategic in its approach to a sustainable mapping program
- Inconsistencies with data schemas and specifications presently limits true seamless integration GEOSCIENCE AUSTRALIA

The future state

Maintaining a sustainable topographic mapping program in Australia requires:
 A cultural shift from a data/product owner/provider to a geographic information content integrator, provider, and enduring data custodian

Relying on three factors:

- Improvements in and leveraging of available technology;
- Changes in the federal government's business ethos; and
- Collaboration a program of partnerships

The future collaborative approach to topographic mapping will need to: Resemble a distributed data sharing arrangement;

- Leverage smart enabling technologies improving turnaround times;
- Consistent specifications and schemas;
- A focus on maintenance of priority themes and areas; and
- Integration of NTICI data into jurisdictional and GA databases as 'single GEOSCIENCE AUSTRALIA



