HIGH LEVEL FORUM ON GLOBAL GEOSPATIAL MANAGEMENT INFORMATION

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Challenges in Geospatial Policy Formulation & Institutional Arrangements *

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Australian Government

Geoscience Australia

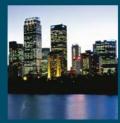
Challenges in Geospatial Policy Formulation & Institutional Arrangements

An Australian Government Perspective













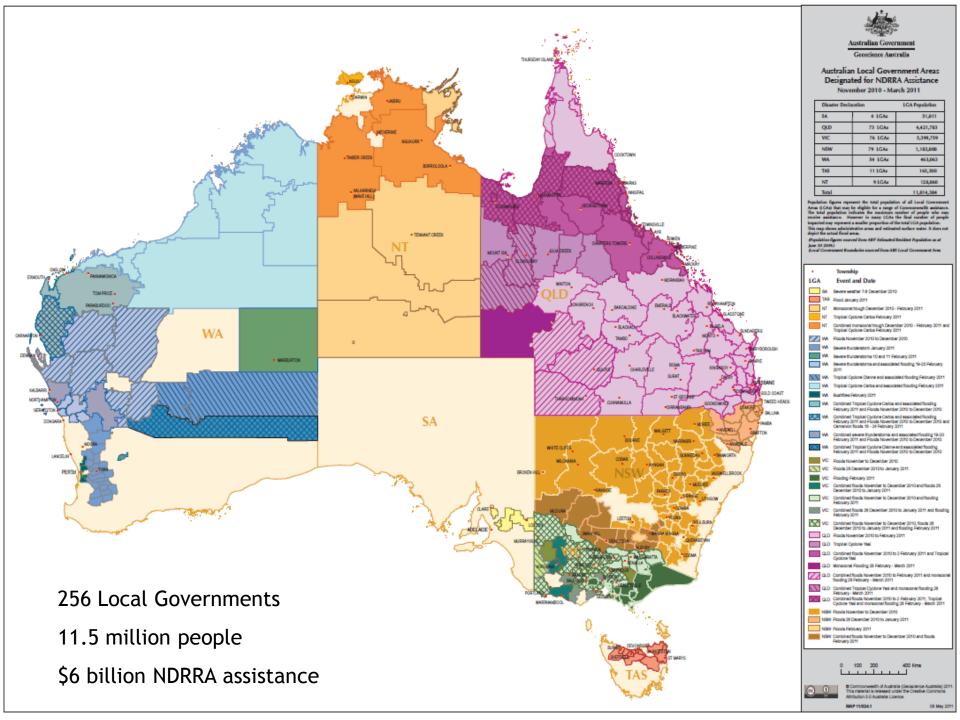
Greg Scott

Group Leader, National Geographic Information Geoscience Australia

The "bottom up" approach... what we have always done!!

Australia - Summer 2010-11





Australian Government: Geospatial

- We did not share well
- We were not fully aware what each agency was doing. We were effectively 'disconnected'
- We did not link location information to our spatial data
- We were not using authoritative fundamental base data
- · Data discoverability, access and governance was minimal
- There was an expectation that accurate, real-time, high resolution imagery and mapping existed, and could be accessed when and where needed
- Significant gap in 'thinking' between policy/decision making and the geographic based evidence

Geospatial information challenges



TWEED HEADS

State emergency response operational information



Is the right assistance getting to the right people in a timely manner?

Commonwealth assistance

TAROON

KINGAROY

GOONDIWIND

ROMA

Community reality



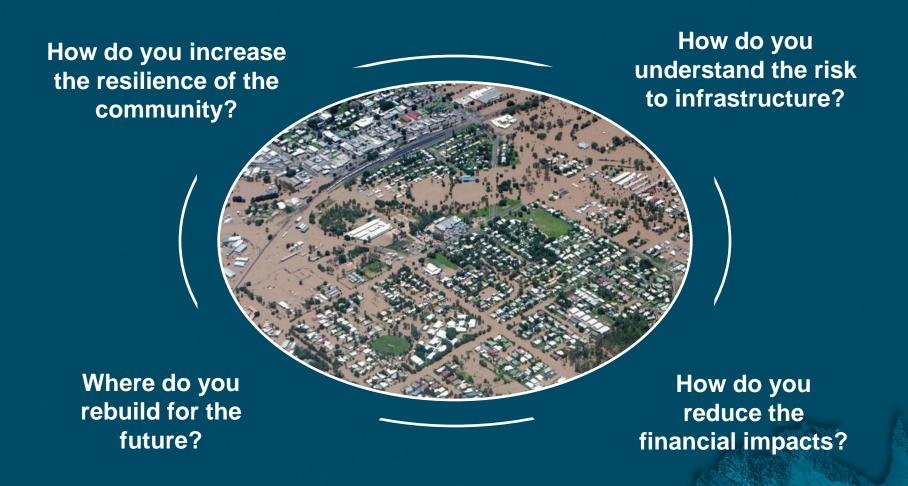
Why do we continue to have these challenges?

- No policy or governance
- No institutional arrangements
- No structures or mechanisms to engage
- No agreed frameworks and/or principles
- No understanding of the value that GI could offer
- Based on informal networks who knew who
- Limited understanding of what was needed
- We could not get the dynamic, high value 'fit for purpose' data to the users

But we have been working on it.....

The "top down" approach... what has been missing!!

What Government wants to know





APS 200 Location Project Positioning Australia with Geography and Place

Achieving Australia's Location Policy & Governance

December 2010 – July 2011

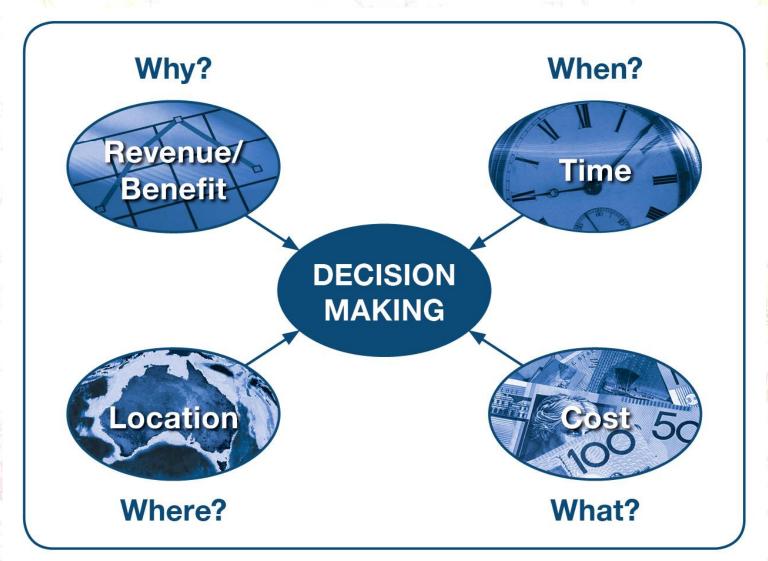


Linking information to location

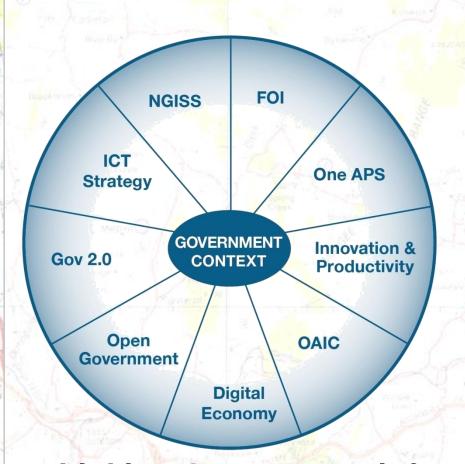
Government is facing a number of key issues and challenges today and into the future



Location – 4th driver for decision making



The value proposition for Government





Linking Government information agenda and national priorities to location

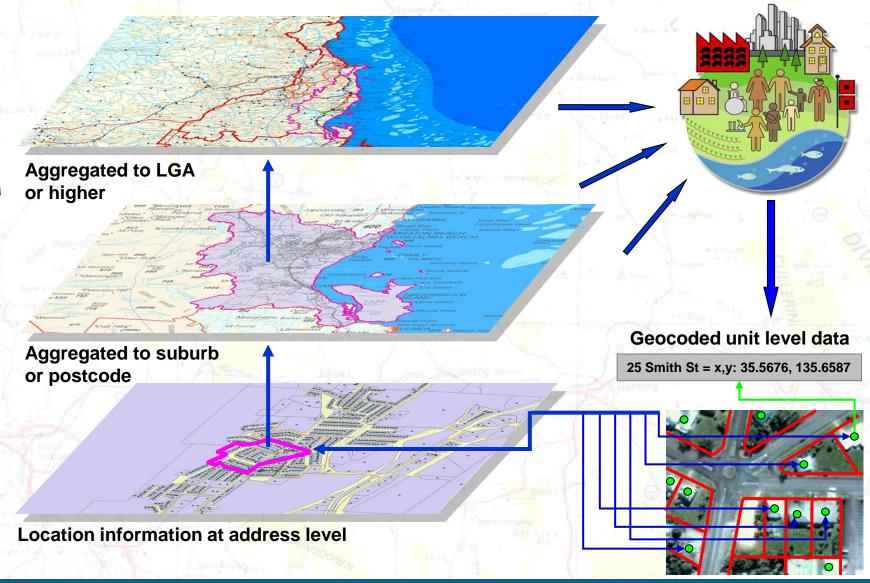
VISION

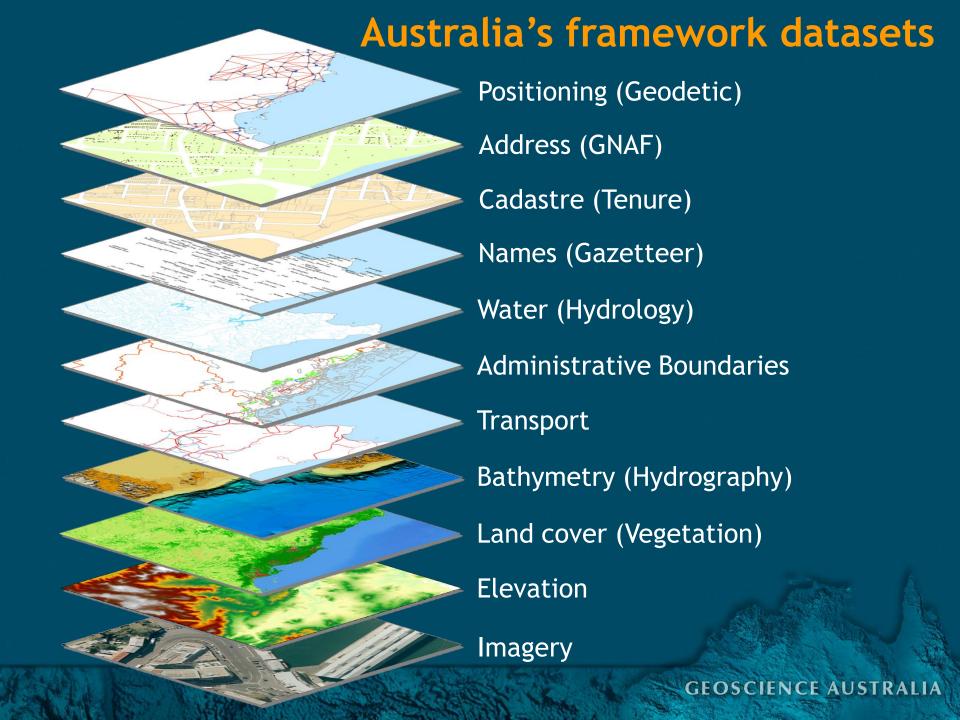
Australian Government information is linked to a location, improving decision making and service delivery, and increasing innovation and productivity

OUTCOMES			re & Productive Safe & conomy		Secure Australia	Social Inclusion	
STRATEGIC GOALS	Inform policy development & decision making		Drive service delivery		Engage & inform the public		
NATIONAL DRIVERS	Water security Climate change Environment	Agriculture Energy Defence	Emergency man Tourism Health		Education Social services Regional Australia	Budget Infrastructure Workforce	

PRINCIPLES	Good	Fundamental	Stewardship &	Access &	Standards &	Licensing &	Capacity &
	Governance	Location Data	Custodianship	Sharing	Interoperability	Investment	Capability
INDICATORS	Establish a policy lead Develop & implement a governance structure Leadership to build & sustain	Identify framework datasets Geocode information to location Consistent & maintained datasets	Accountable data management practices Recognised custodial responsibilities Delivery of consistent data	Promote information sharing principles Improved access & availability of data Consistent data catalogues	Agreed standards & guidelines Develop standard geographies Consistent metadata Interoperability principles defined	Appropriate licensing Commitment to Creative Commons licensing Invest in life-cycle data management	Build skills & knowledge resources Improve & standardise capability across agencies Improve analytical capabilities

Location information framework





Summary: For UN-GGIM consideration

- Target the value proposition
 - Informed policy development
 - Evidence based decision making
 - Improved service delivery
- Loosely coupled approach
 - Frameworks and principles start with strategic
 - Standards and interoperability are the glue
 - Make the information available and sustainable
 - Understand the role of authoritative data & custodianship
 - Fundamental datasets are the core building blocks
- BUT...remember
 - The developing nations require people/funding support
 - The objective is more than just mapping & geography consider everything!

 GEOSCIENCE AUSTRALIA