Lining up Ducks and Herding Cats - Implementing the Australian Spatial Data Infrastructure

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WHAT IS THE ASDI?

The ASDI comprises the people, policies and technologies necessary to enable the use of spatially referenced data through all levels of government, the private and non-profit sectors and academia (and ultimately the community).
What's the problem?

O.k., and now you'll do exactly what I'm telling you!
A Value Chain Enabled by the ASDI

DISCOVER  tell me what data/services are available
ACCESS    give me access to it
COMBINE   let me combine it with other inputs
USE       give it in a form I can use
Some Major Applications

Social (provision of community services, decision-making in local communities, emergency management);

Economic (wealth creation, critical infrastructure protection, effective siting and use of facilities and assets);

Environmental (sustainable development, biodiversity, evaluation and monitoring).
THE PLAYERS

Public (on-budget, local, semi-government)
Private (commercial, not for profit)
Professional (associations, institutes)
Academic (secondary education, tertiary institutions, research bodies)
Community groups and individual users
Bringing it together across Australia

• Common drivers across agencies and jurisdictions;

• A common vision:
  “Australia’s spatially referenced data, products and services are available and accessible to all users”

• Address common policy, people and technology issues.
Identified barriers to use

• Immature user/provider relationships;
• Inconsistencies in the availability and quality of data;
• Inconsistent policies concerning access and use;
• Incomplete knowledge about availability and quality;
• Lack of best practice in the utilisation of technologies.
Current Context

• Some elements are already in place:
  ➢ data policies and best practice guidelines;
  ➢ comprehensive directory;
  ➢ capacity building within governments, enterprises and academic sectors

• Identified priorities for further action:
  ➢ ASDI governance (engaging users and providers);
  ➢ Removing barriers to access to data and services;
  ➢ Improving data quality;
  ➢ Best practice use of standards and technology.
Connecting Drivers with Enablers

- Policy Drivers
- Spatial Services
- ASDI
- Data, Information & Technologies
Opportunities for service providers

The value of trusted information;

Merging technologies;

New value-adding services using spatial information;

Domestic and international markets.
CURRENT SITUATION

Communication and forming partnerships
Institution building
Capacity building
Creating innovative services and products
INSTITUTION BUILDING

ANZLIC – the Spatial Information Council formed in 1986

Intra and inter-jurisdictional coordination, engaging with local government (ICSM, PSMA, ALGA)

Action Agenda signed in September 2001

Australian Spatial Information Business Association formed in 2001

Joint Industry Steering Committee formed in 2002

Spatial Sciences Institute formed in April 2003

Australian SI Education and Research Assoc in 2003

CRC for Spatial Information established in July 2003
Building Partnerships with Communities of Practice

Land administration
Natural resource management
Terrestrial and marine environment
Emergency management and counter terrorism
Social and economic infrastructure
ASDI Implementation Priorities

1. Governance and partnership building;
2. Access to data;
3. Data Quality;
4. Interoperability;
5. Integratability
Short term aspirations for the ASDI

Facilitate discovery of spatial resources by users;

Provide efficient access to comprehensive spatial data resources (data, products, services);

Optimise investment in data collection, management and use;

Reduce entry costs and encourage growth in value-added services to meet user needs.
CONCLUSION

To implement the ASDI you need:
Partnerships, consolidated by
Institution building, which underpins
Capacity building, which enables
Development of services and products, which meet
Needs of decision makers, to
Improve the way we all live, work and play.
ANZLIC
the Spatial Information Council

For further information: