



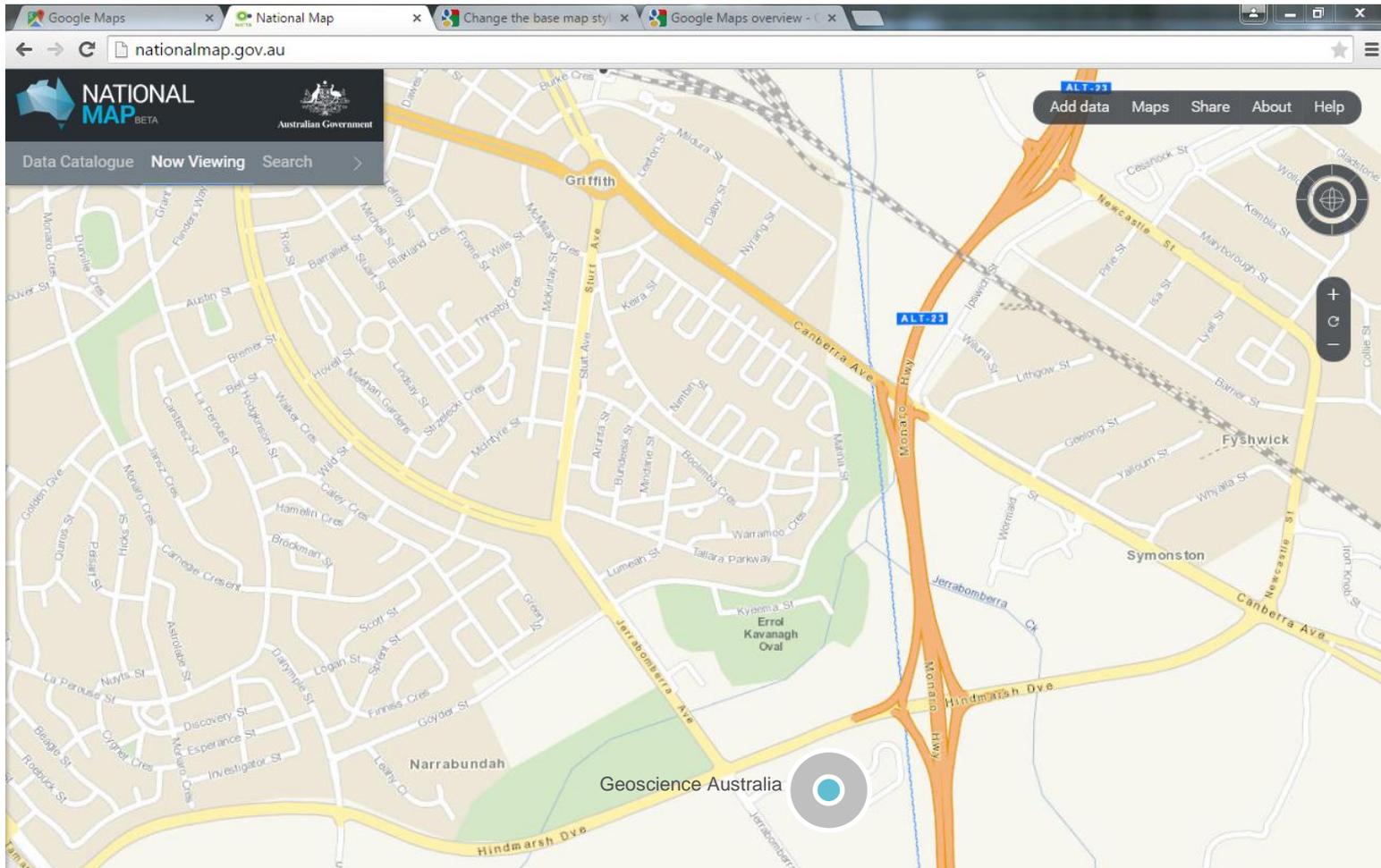
From cadastre and topography to Australia's Foundation Spatial Data Framework



National Library of Australia

nla_map-rm2661-1-v

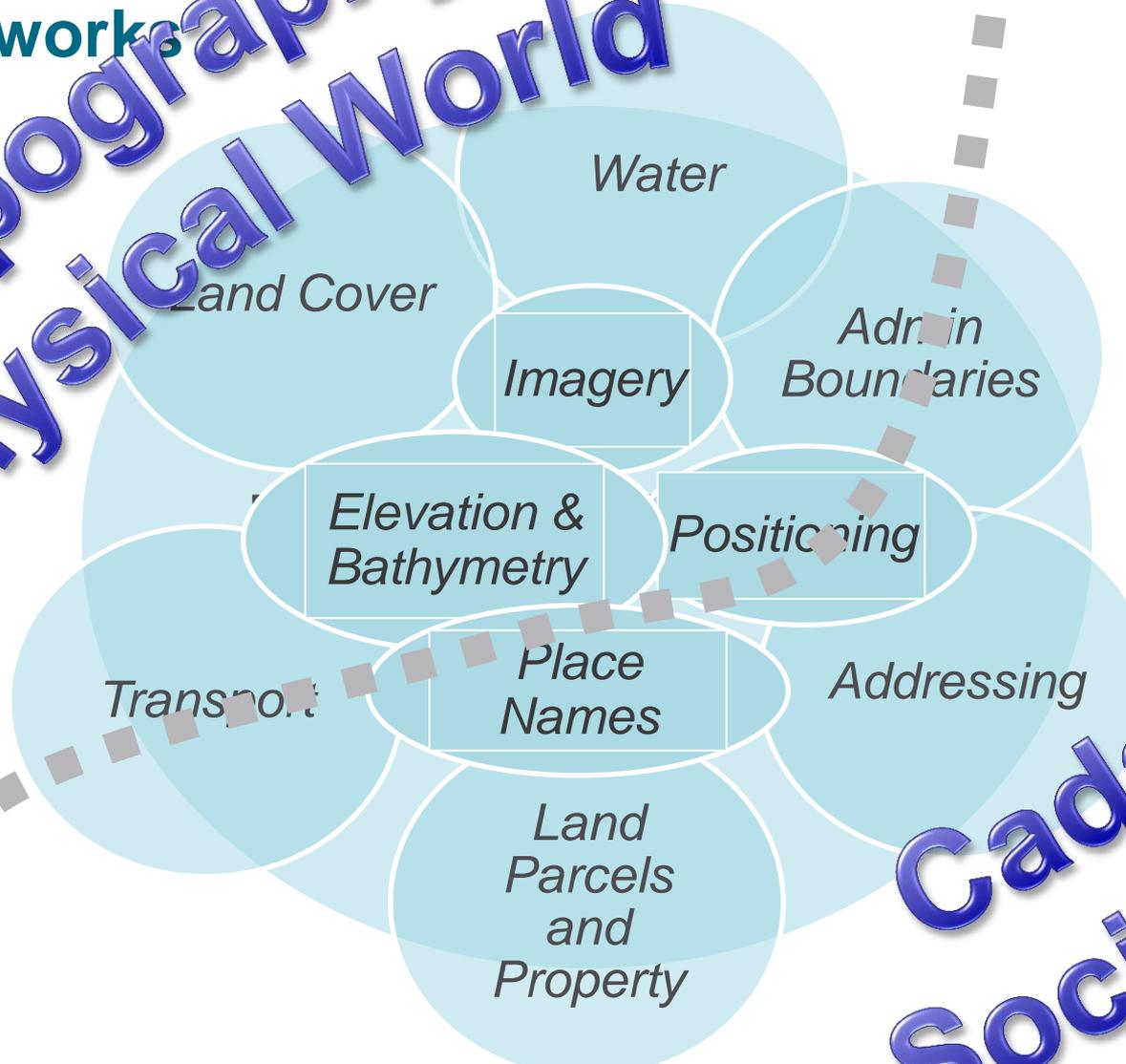




- Positioning tells you where (and when) you are...
- An image might show what is around you...
- But the other spatial data gives you the context to make decisions...

Spatial Data Frameworks

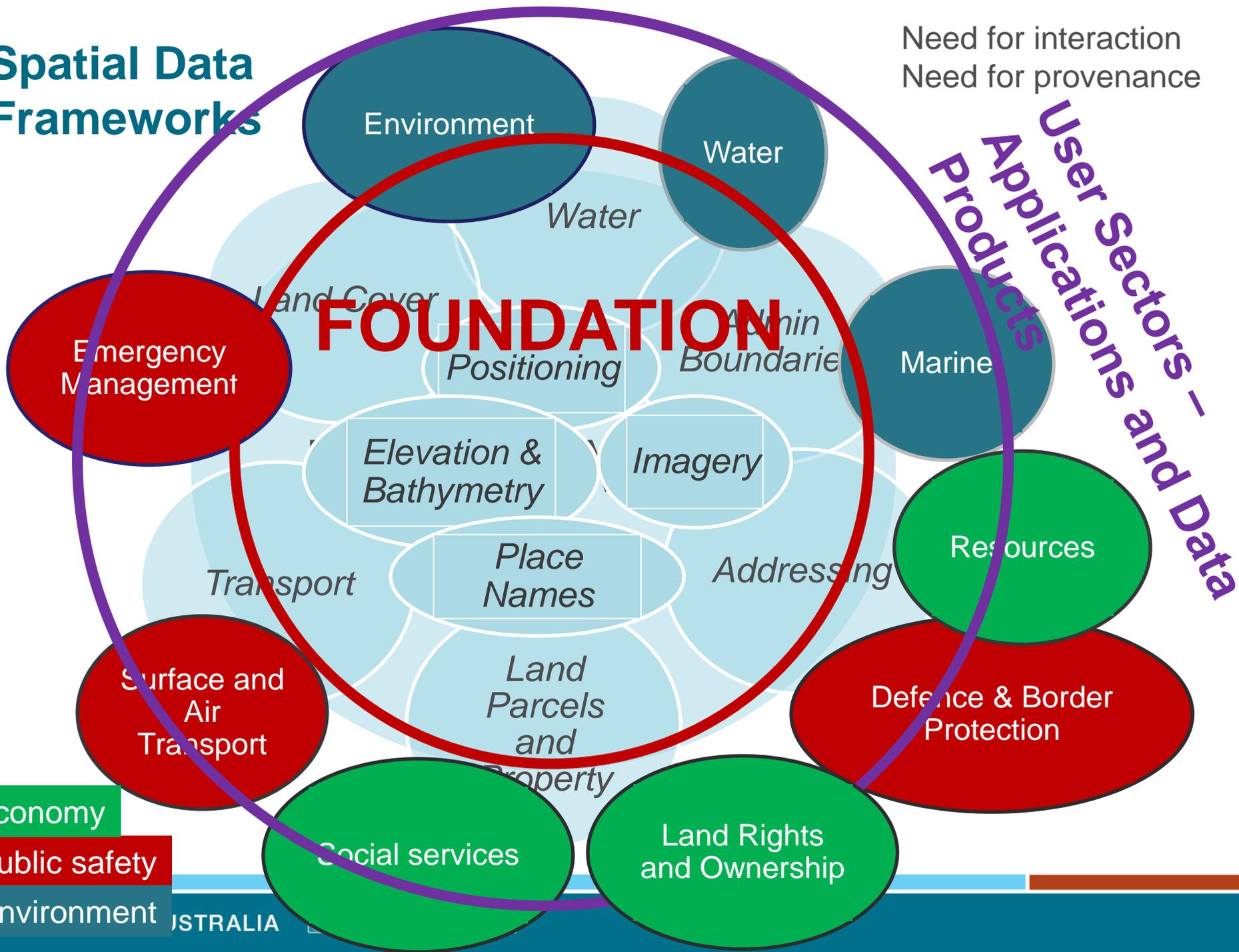
Topography Physical World



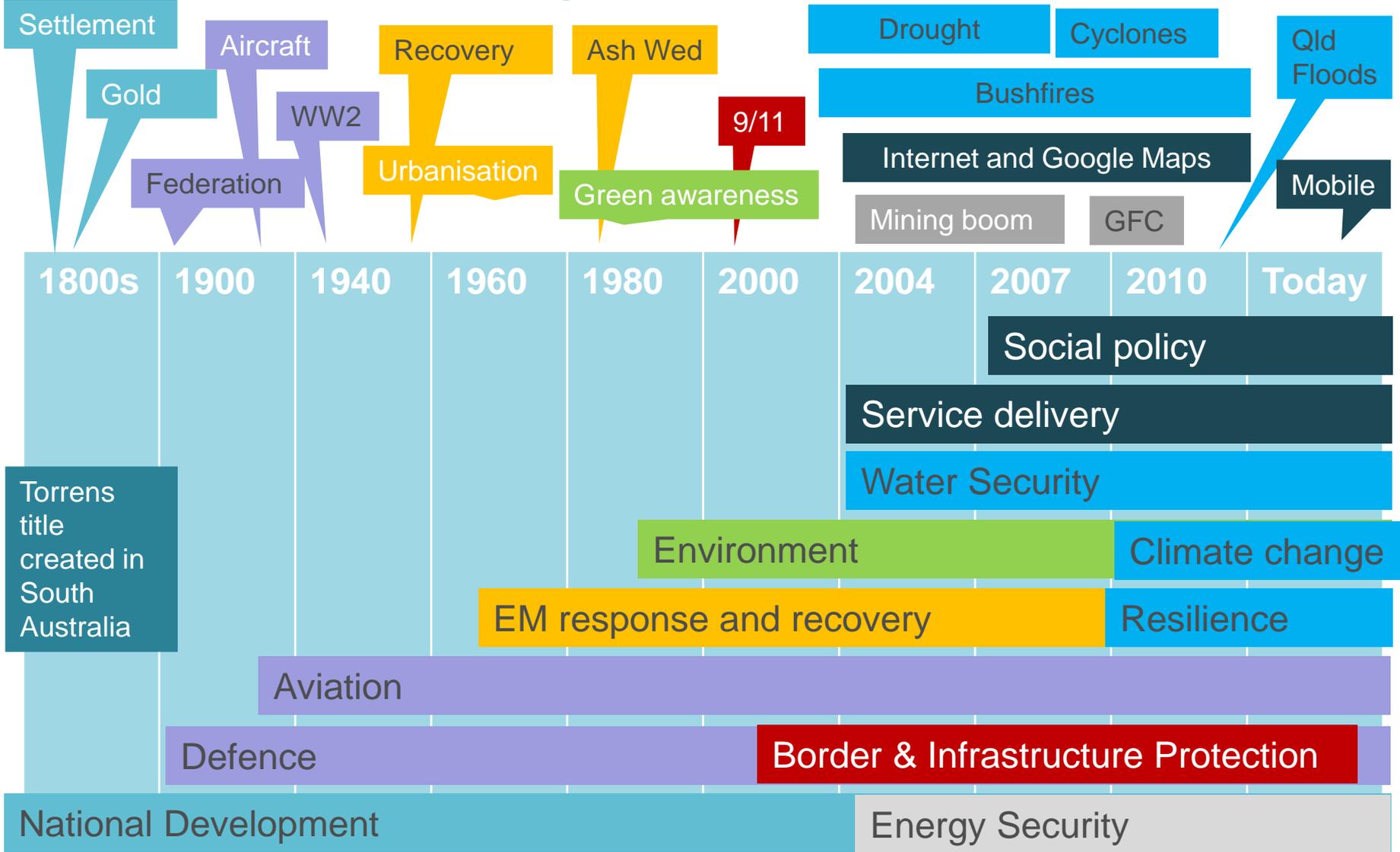
Cadastral Social/Legal World

Spatial Data Frameworks

Need for interaction
Need for provenance



Demand for mapping in Australia



Responsibilities of government

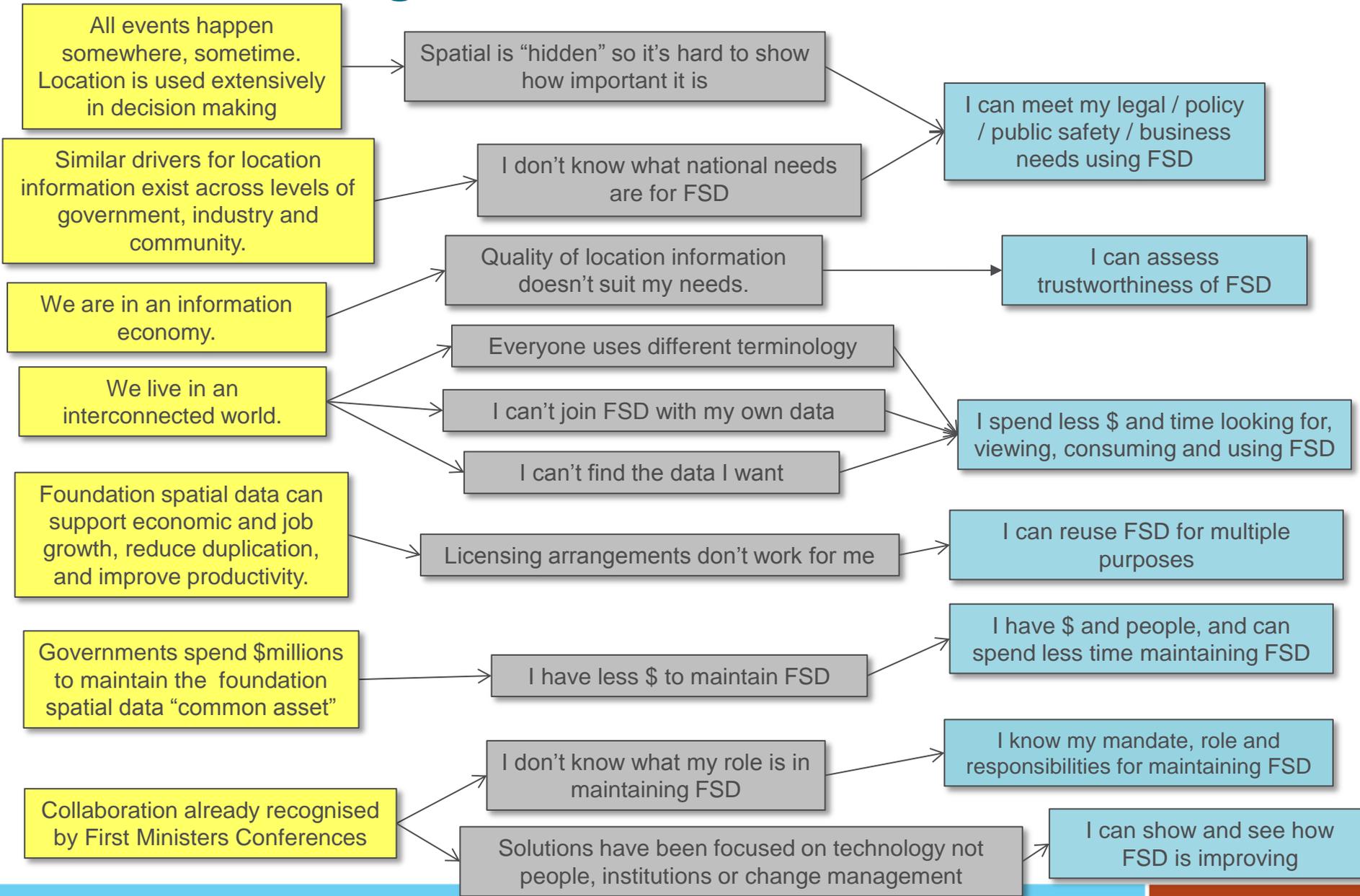
Shared responsibilities



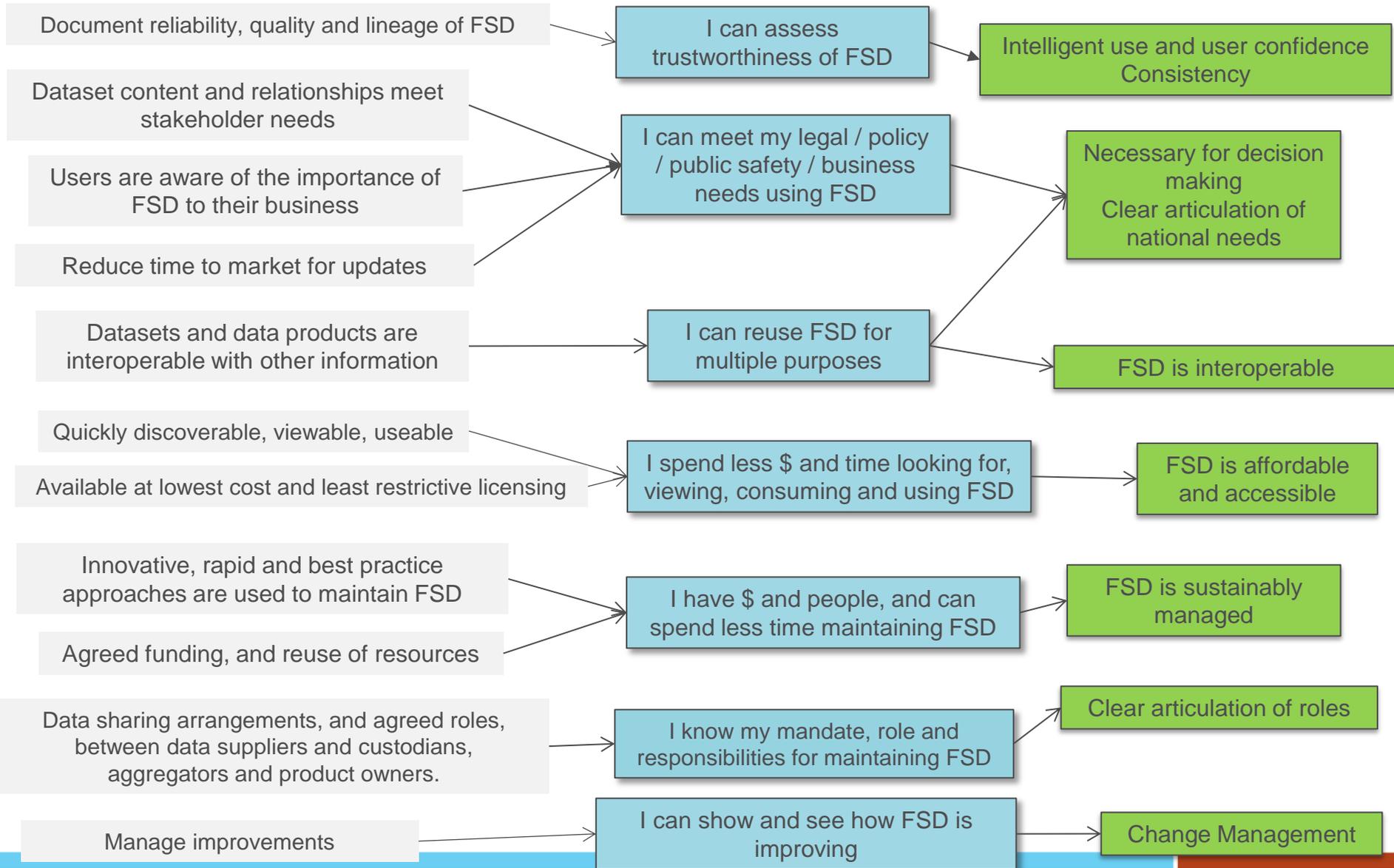
Requires coordination



Our challenges



Business changes and benefits



FSDF OUTPUTS

Updated Datasets

Updated Dataset Documentation

Dataset Profile including Provenance, Purpose and Uses

Dataset Model

Dataset Management, Update and Funding Plans

Agreed Dataset Custodianship Arrangements and Supply Chain

Updated Data Products

Updated Data Products Documentation

Product Management Plan

Access, Licensing and Pricing Arrangements

As a whole, this may never have been done before in the world...

FSDF Registry

What Are We Looking After?

Dataset Register

Glossary

Data Products Register

Dataset and Data Product Models

Dataset Dependencies Register

Why We Do It

Mandates, Uses and Benefits

Who Looks After Which Bits

Dataset Custodianship Register

Data Product Owner Register

How we are going to do it...

Policies

Standards

Program Management

Skills and Expertise Development Plan

Australia & New Zealand Foundation Spatial Data Framework

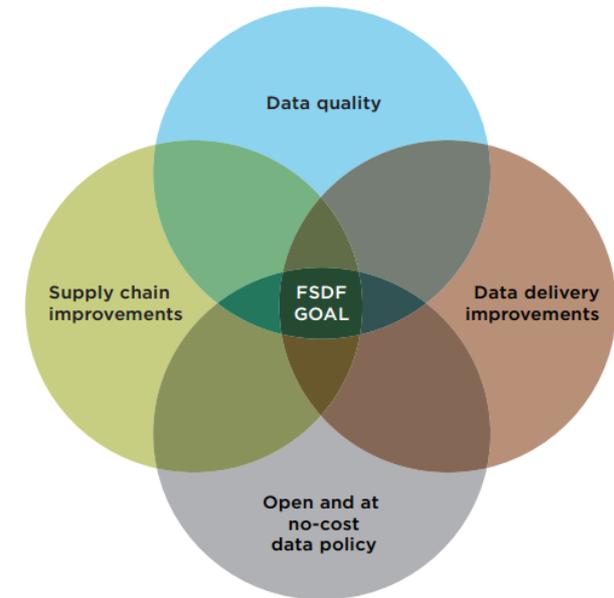
Similar to INSPIRE

- dealing with a range of stakeholders to meet continental-wide issues
- Not legislated – more collaborative

Foundation spatial data supports a range of government and community decision-making – we don't just “make maps”

The Framework will address challenges around trustworthiness, responsibility, cost and timeliness of foundation spatial data

Very strong focus on “open” data and platforms



Glossary

Dataset Register

Data Products Register

Dataset and Data
Product Models

Dataset Dependencies
Register

Dataset
Custodianship
Register

Data Product
Owner Register

Mandates, Uses
and Benefits

Policies

Standards

Program Management

Skills and Expertise
Development Plan

What will the “Registry” do?

As a **user** I can:

- Discover data more smartly
- Assess data quality and lineage
- Discover best uses for FSD
- See how FSD is improving

As a **supplier** I can:

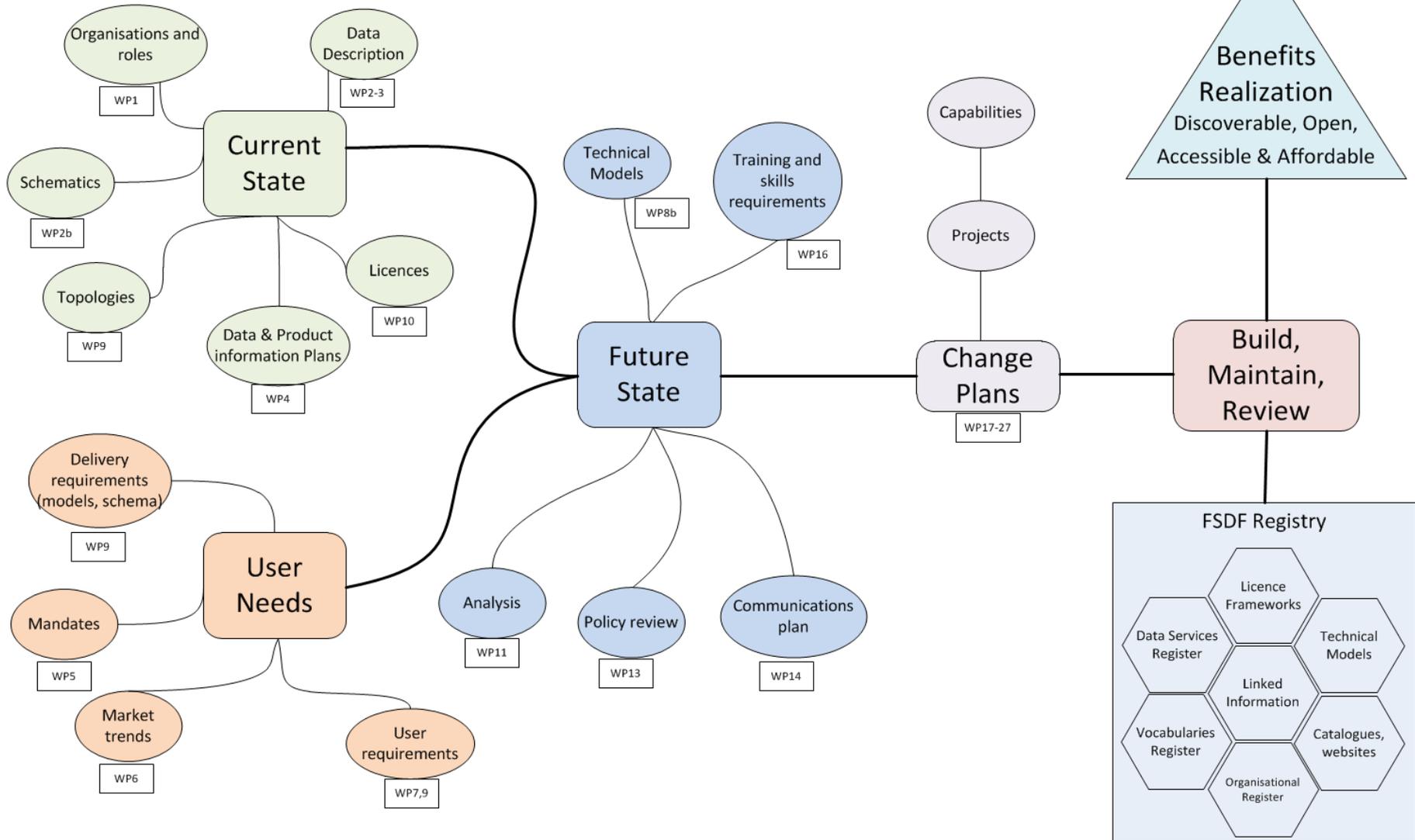
- Have my role recognised and endorsed
- Reuse models and business cases
- Track progress on FSD improvements

Prototype currently in Microsoft Access

Future: distributed in the cloud, dynamic updates

National Spatial Data Infrastructure

FSDF Program Blueprint



Progress so far this year

- Program established with governance framework.
- Stakeholder consultations with state and territory agencies, other Commonwealth agencies.
- First-pass incorporation of national user needs.
- First-pass supply chains for most datasets identified. Draft measures of success for jurisdictions developed.
- FSDF Registry Prototype developed
- **Aiming to have significant improvements to data quality, time to market, custodianship, delivery and access for the foundation spatial datasets by end 2018.**

Take home messages

FSDF is a change program on Australia's "common asset" of location information

Users rely heavily on the same trusted information to make decisions that affect people's safety, prosperity, and environment

- I can tell where my data has come from and what has been done to it
- I can assess the trustworthiness of foundation spatial data in order to make intelligent decisions or reuse for different purposes
- I spend less time and money looking for, viewing, consuming and using foundation spatial data

Take home messages

Suppliers of foundation spatial data also receive benefits:

- Reduced costs and time taken, and improved data quality
- Extension of mandate to, and investment by, national policies
- Clear identification of user dependency on your data

Success of any SDI depends upon having:

- Well working relationships between suppliers
- A strong understanding of user needs
- Good change management
- It's not all about technical solutions



Australian Government
Geoscience Australia



For more information:

http://www.anzlic.gov.au/foundation_spatial_data_framework/

Or contact Simon Costello

Phone: +61 2 6249 9716

Web: www.ga.gov.au

Email: simon.costello@ga.gov.au

Address: Cnr Jerrabomberra Avenue and Hindmarsh Drive, Symonston ACT 2609

Postal Address: GPO Box 378, Canberra ACT 2601