

Spatial data standards, framework and programmes: learnings from Australia and India



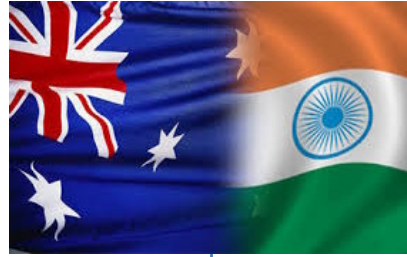
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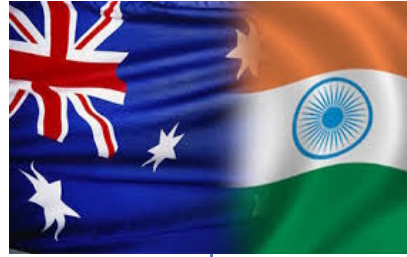


Organisations:

- Office of Spatial Policy
- Geoscience Australia
- Bureau of Meteorology
- Jurisdictions create data
- Established Public Sector Role
- Established Standards development with Industry
- Cooperative Research Centre for Spatial Information

Organisations:

- NSDI
- Survey of India
- NRSC
- State Remote Sensing Centres
- Jurisdictions create data
- Emerging Public Sector Role
- Emerging Standards development with Industry
- DST



- **National Programs**

- Geofabric
- NGIS
- GDE Atlas
- Coal Seam Gas
- SIBA – Industry Association
- SSSI - Professional Association
- Open Source Technology for Government Programs for Data Discovery
- Limited Remote Sensing programs at National Level

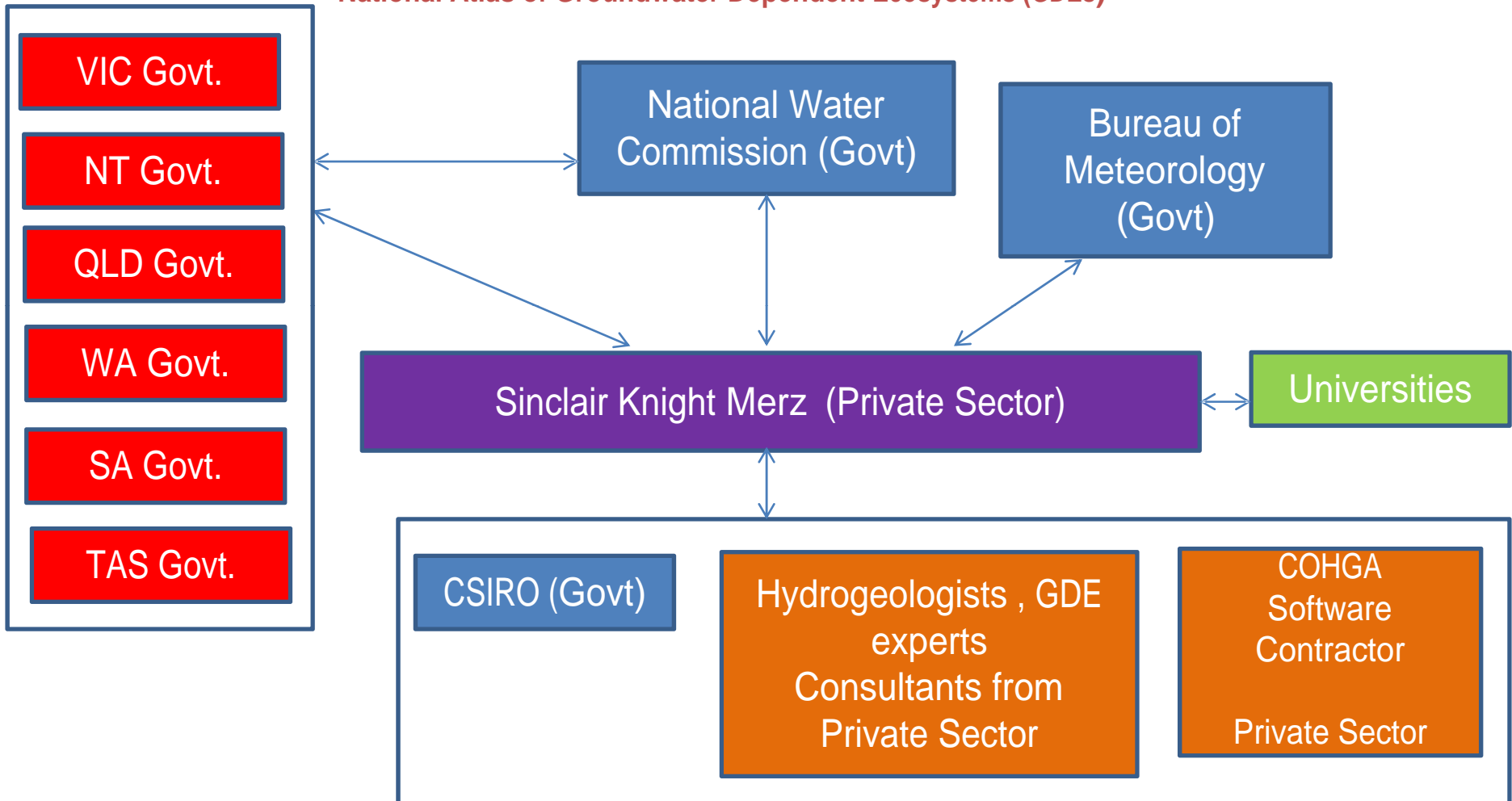
- **National Programs**

- Bhuvan
- GNSS
- 1:10 K Mapping
- National Aquifer Mapping
- AGI – Industry Association
- INCA & ISG –Professional Association
- Vendor Technology for Government Programs for Data Discovery
- Established and Strong Remote Sensing programs at National Level



Australian Example of Government and Private Collaboration

National Atlas of Groundwater Dependent Ecosystems (GDEs)



Australian Example of Government and Private Collaboration

National Atlas of Groundwater Dependent Ecosystems (GDEs)

- Map GDEs throughout Australia in 18 months time frame
- On time and Budget (\$4.5 Million (AUD))
- Web based public facing product built on Open Source platform
- Institutional issues (Definition of GDEs, Different school of thoughts)
- IT Contract for a Spatial and Groundwater project



Australian Example of Government and Private Collaboration

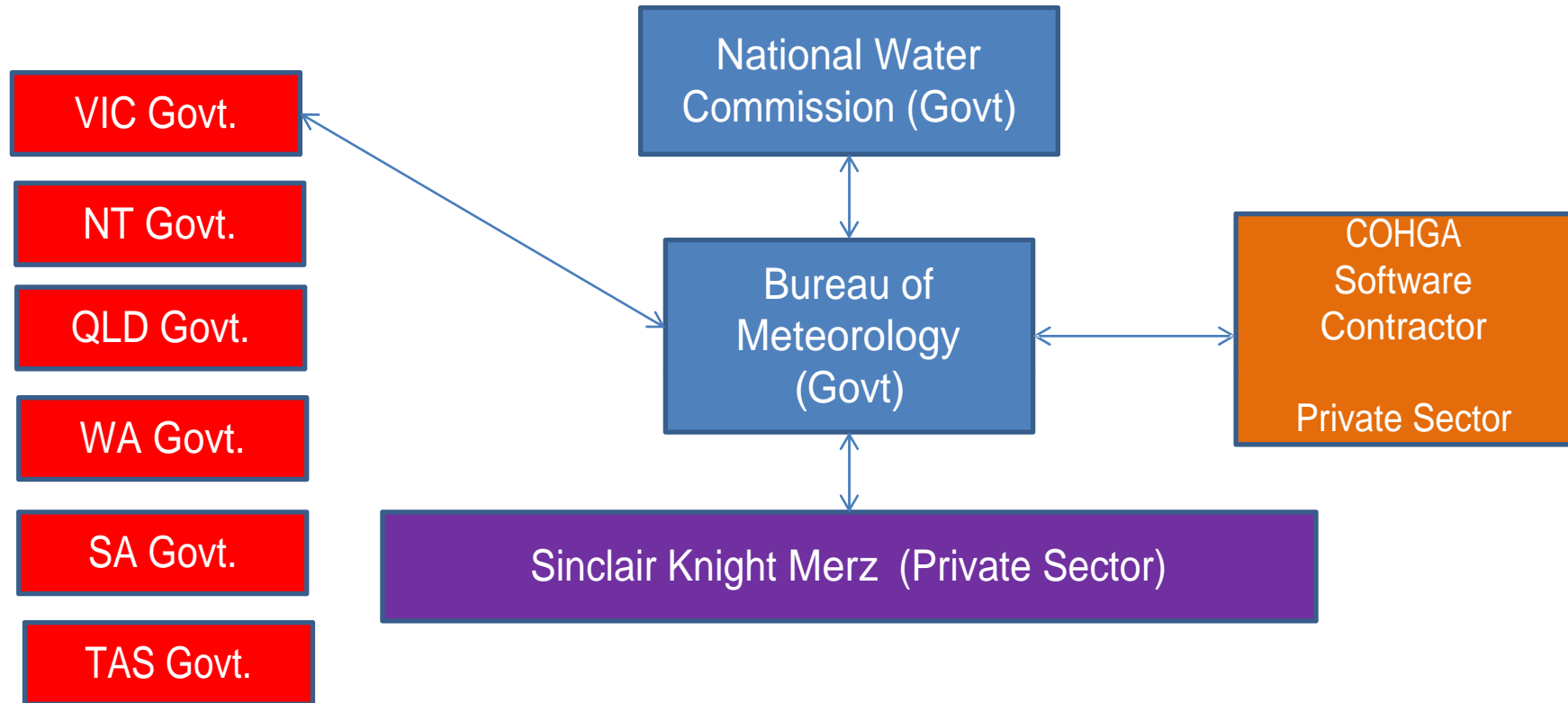
National Atlas of Groundwater Dependent Ecosystems (GDEs)

Key reasons for success

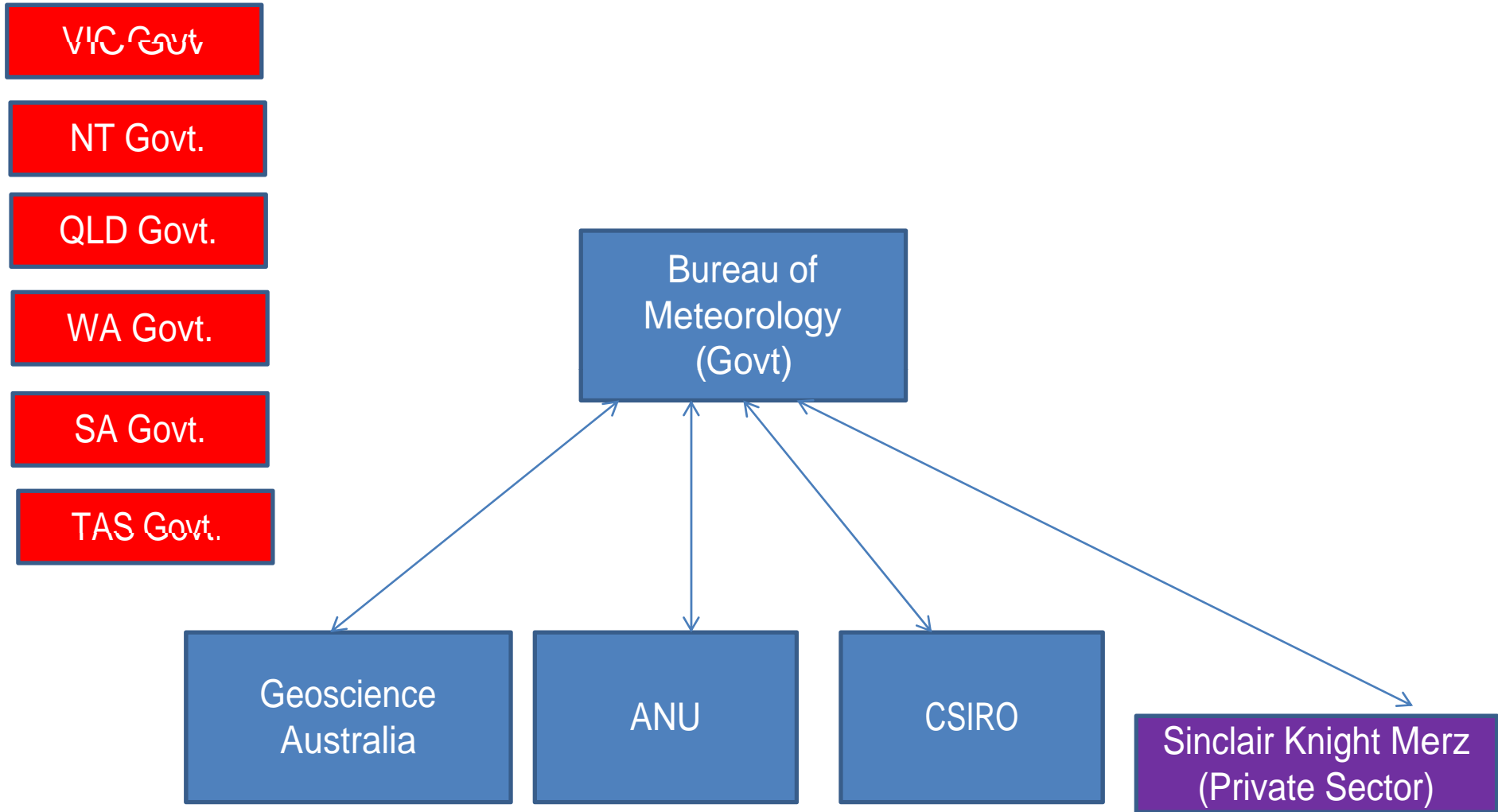
- User requirements
- Survey Monkey
- Consultation workshops (Virtual and face to face)
- Web based QA/QC with Collaborative environment
- Hybrid approach of Vendor and Open Source Technology
- Strict review time frames and consultation outcomes



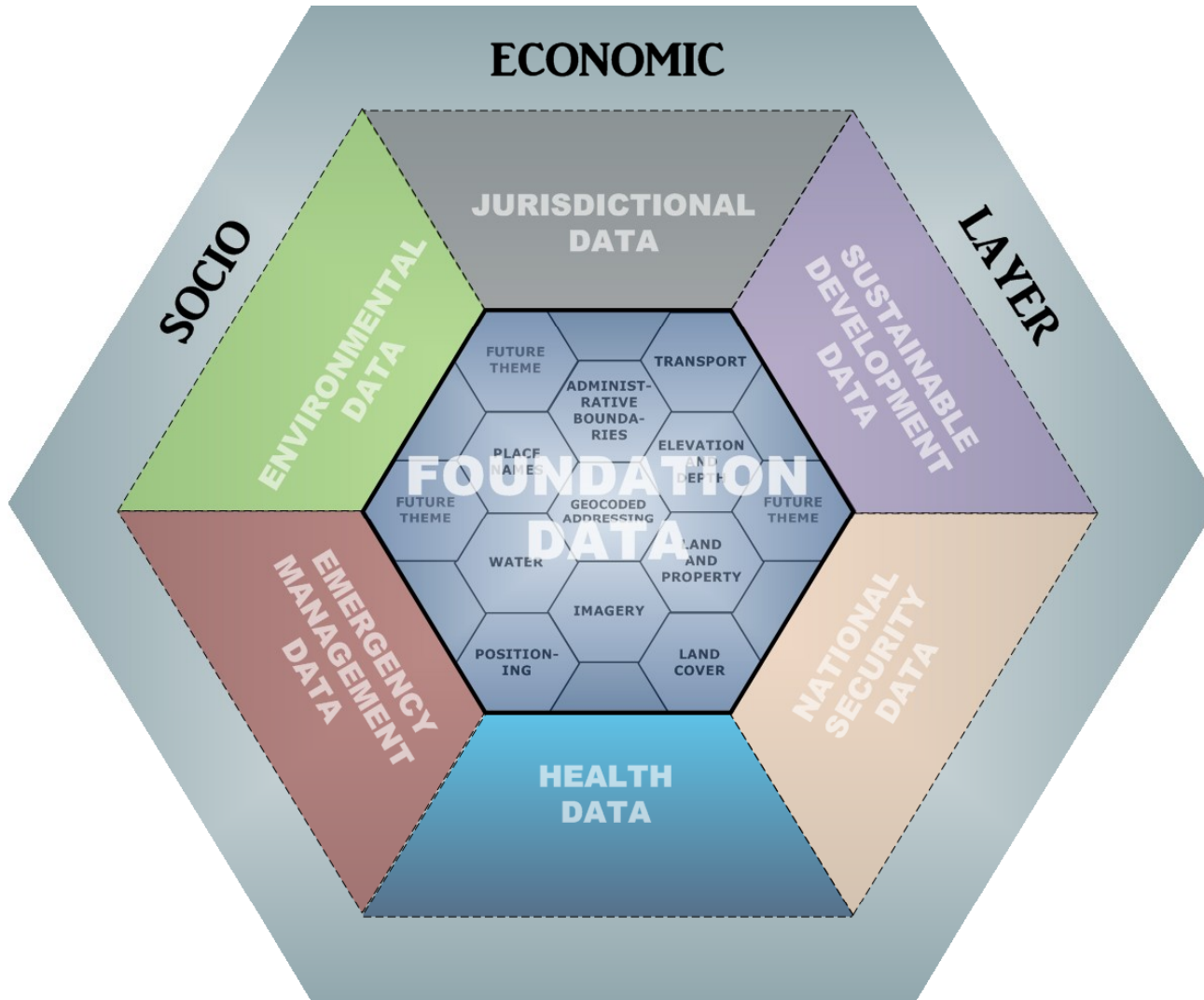
National Groundwater Information Systems



Australian GeoFabric

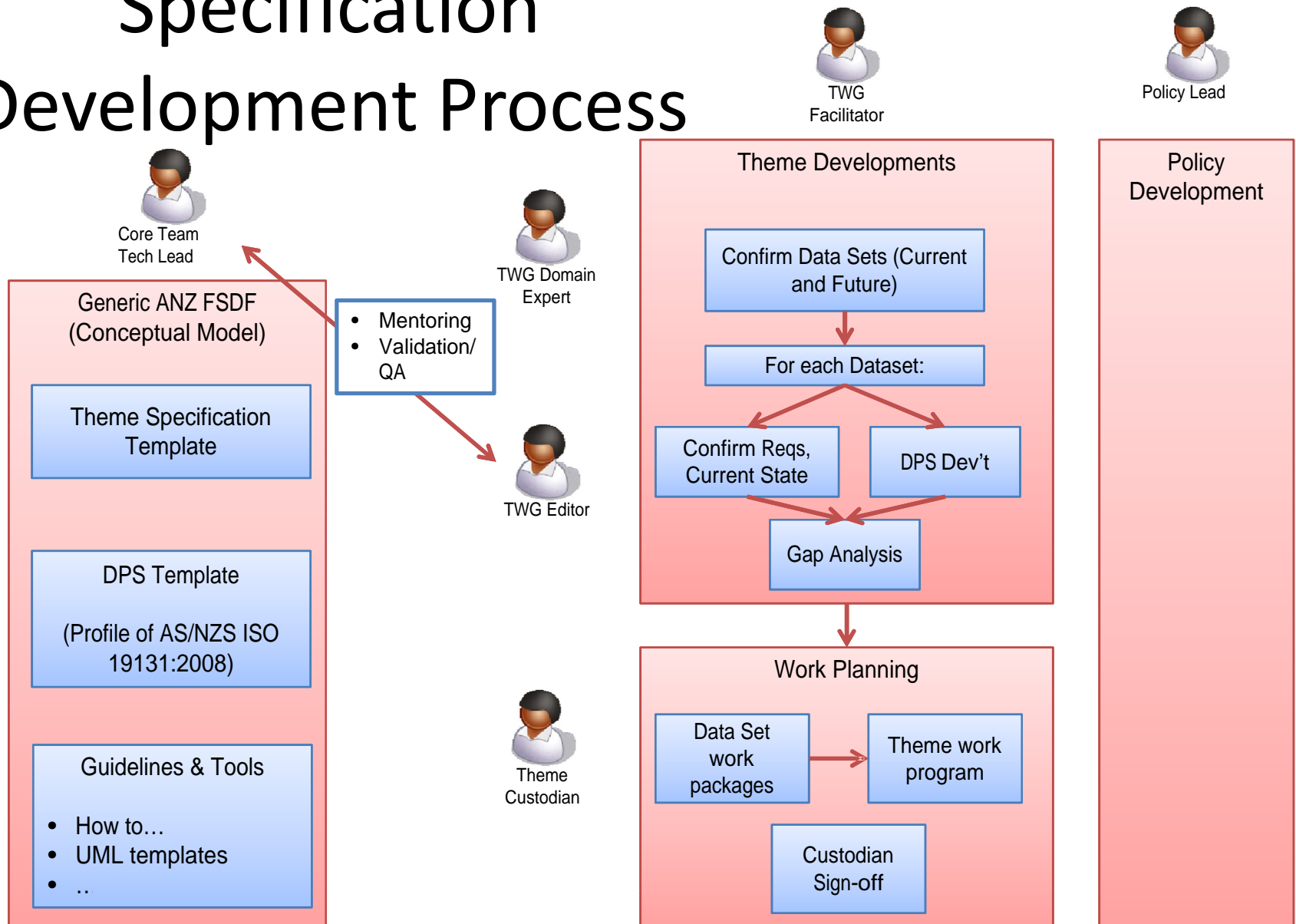


ANZ Foundation Spatial Data Framework



Source: Office of Spatial Policy

Specification Development Process



Source: Office of Spatial Policy

Summary

- Industry, Government and Academia collaboration essential for National Programs
- Standards development is critical to a Nations success role of Government, Industry and Academia are key to it.
- Need to socialise concepts and manage differences for National Initiatives
- Prepare a robust methodology supported by a Data model
- Use collaboration tools for project reviews, communications and document management



Thanks for your attention!

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