



Empowering staff to think and work spatially

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Locate25 | Wednesday 9 April 2025 | Brisbane

*Presented at the FIG Working Week 2025,
6-10 April 2025 in Brisbane, Australia*

Why Spatial?

Almost everything happens somewhere! Knowing

where

something happens is critically important!

Data Collection

GIS provides real-time information gathering, helping field workers and first responders to assess situations quickly and make effective decisions

Resource Management

GIS plays a key role in managing resources by providing insights into their distribution and usage.

Visualisation and Analysis

GIS makes it easier to understand patterns and relationships in the world around us, from demographic information to environmental data

Decision Making

GIS drives informed decisions in fields such as urban planning, transportation, and natural resource management.

Community Engagement

GIS enables the creation of detailed and interactive maps that can communicate complex spatial information in an easily understandable way



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The Spatial Journey

15/01/1997 - 15/01/2000	01/01/2000 - 01/01/2007	01/01/2007 - 01/01/2012	01/01/2012 - 01/06/2014	01/06/2014 - 31/12/2022	01/01/2023 - 01/01/2027
Organic GIS Use	Transition to Governed, Centralised, Managed GIS use across Directorates	GIS Capability Awareness and Skills Uplift	Data Structure Uplift	Innovation, User Uplift, Digital Transformation, Open Data, Common Capability Platform Establishment	Future State Readiness and Adoption
1997 - 2000	2000 - 2007	2007 - 2012	2012 - 2014	2014 - 2022	2023 - 2027



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The Current State



Verti**GIS**TM



829 ArcGIS Online Users
672 Users in ArcGIS Enterprise
52 FME Users
ACT Government Data - [ACTMapi](#)
Open Data via the [Geospatial Data Catalogue](#)

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esri
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Leica
Geosystems



**iWB
Meter**



Surveyors
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The Spatial Strategy



TCCS and EPSD **Geographical Information System (GIS) Strategy**

2024-2026



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Strategy Pillars

VISION

To be empowered to think and work spatially

1. Geospatial capability is accessible.
2. Geospatial capability maximise on current platforms.
3. Geospatial data to be created, acquired, and maintained to set standard and intellectual property.

4. Geospatial capabilities are ever evolving.
5. Geospatial data is an asset and is open, accessible, and discoverable by default.
6. Geospatial data is managed to protect data sensitives and privacies proportionate to its value and risk.

PILLARS

1
GIS Governance

Enhance the Governance
of Geospatial Ecosystem

2
GIS Digital Data
and Databases

Curate our Authoritative
Geospatial Data

3
Procedures, Workflows
and Integration

Make our Geospatial
Data and Applications
accessible

4
GIS Software

Ensure our Geospatial
capability is adaptable

5
GIS Infrastructure

Develop sustainable
geospatial systems

6
Value Realisation

Improve our geospatial
culture

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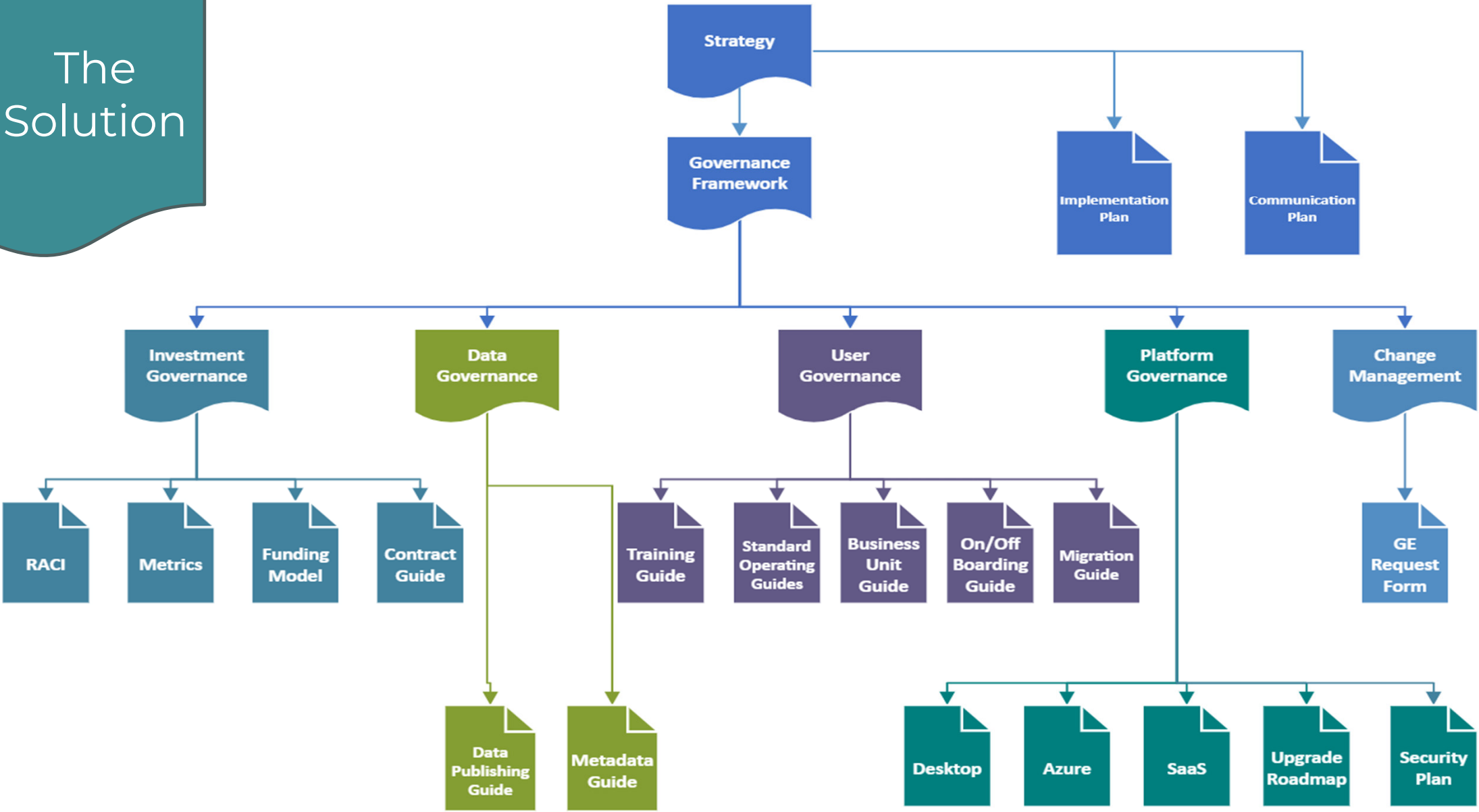
The Problem

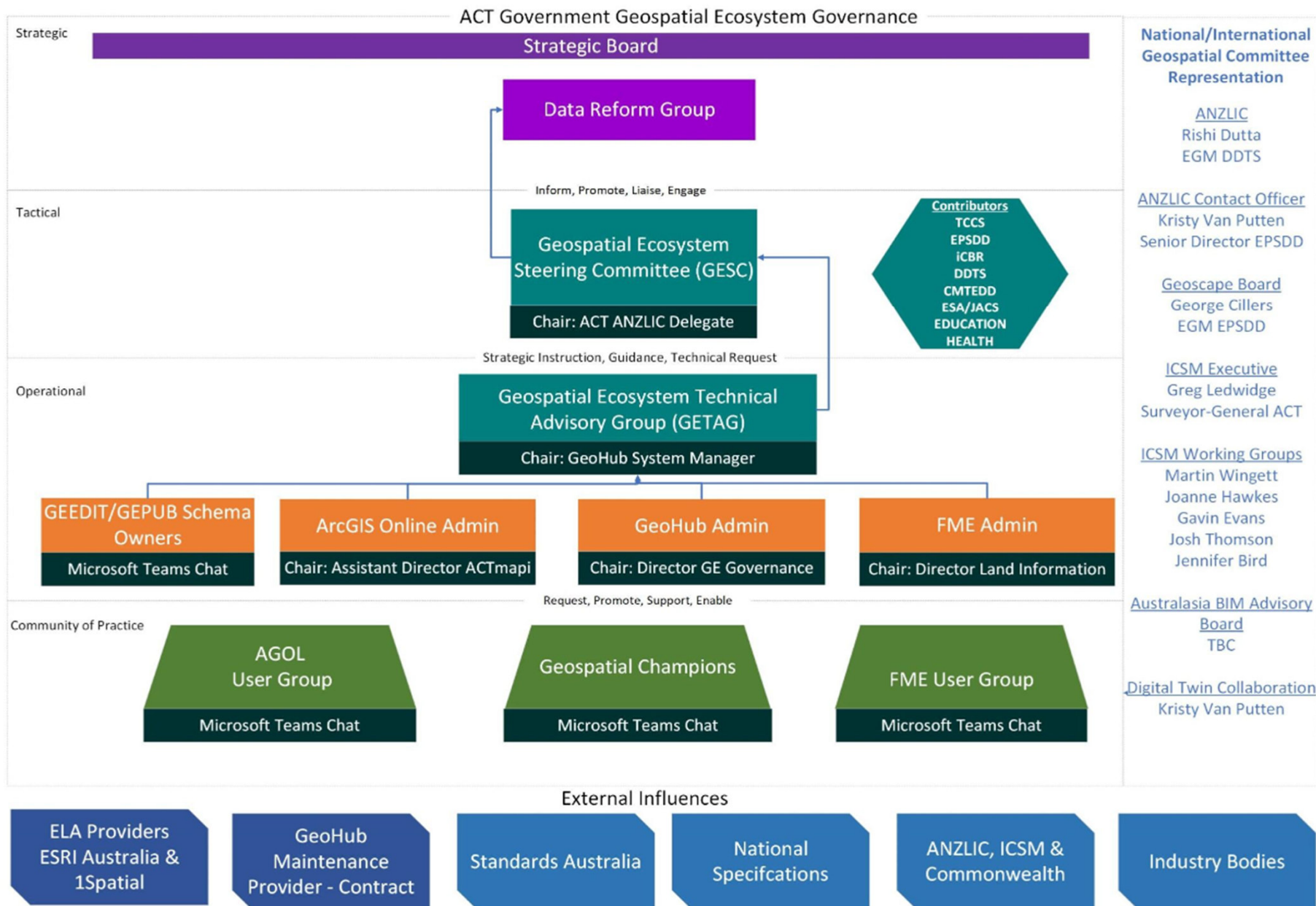


“No Centralised Spatial
Team”
Separate teams with
overlapping
responsibilities



The Solution





The Results

Geospatial Governance Documentation

This report page is used to discover all Governance documentation relevant to the Geospatial Ecosystem.

Refer to the legend below for the status of each document, and please contact the data team for more information at geospatial@act.gov.au

Legend

- In Progress
- Not Started
- Published

Report Version: June 2024

Strategy	
Name	Link
Communication Plan	Link
Geospatial Strategy	Link
Implementation Plan	Link

Change Management	
Name	Link
Change Management Framework	Link
IG Request Form	Link

Data Governance	
Name	Link
Data Governance Framework	Link
Data Publishing Guide	Link
Geospatial Deliverable Standard	Link
Metadata Guide	Link

User Governance	
Name	Link
Business Unit Guide	Link
FME Training Resources	Link
Geospatial User Governance Framework	Link
Migration Guide	Link

Governance Framework	
Name	Link
What is the Geospatial?	Link
Geospatial Management Framework	Link

Investment Governance	
Name	Link
Connect Guide	Link
Funding Model	Link
Geospatial RACI Matrix	Link
Investment Governance Framework	Link
Metrics	Link

Platform Governance	
Name	Link
Azure	Link
Desktop	Link
Geospatial Security Plan	Link
Platform Governance Framework	Link
SaaS	Link
Upgrade Roadmap	Link

Governance Agreements	
Name	Link
FME MOU	Link
GE Technical Advisory Group ToR	Link
Major Projects Canberra MOU	Link
Steering Committee ToR	Link
TCES-EPSSD MOU	Link

LOCAL ADMINISTRATOR

Your role may be a Project Manager, Team leader, Planner etc.

As a Local Administrator, I leverage the GeoHub and AGOL to coordinate, manage, and deliver Branch specific spatial data, applications and processes in alignment with Geospatial Ecosystem Governance Framework.

So that GeoHub and AGOL spatial environments meet Branch operational priorities, both immediate and strategic.

Skills

- Manage GeoHub and AGOL Governance
- Provide first tier support for business users for GeoHub and AGOL
- Maintain standards for access and use of GIS content (via Governance Framework)
- Enforce GeoHub and ArcGIS Online governance (e.g. groups, sharing, permissions, custom roles etc)
- Publish and maintain content on behalf of the business and other business areas
- Ensure Branch and broader web applications are referencing the most recent and single truth of GIS data
- Provide support for GeoHub and AGOL
- Facilitate onboarding of new business areas to GeoHub
- Publish referenced data and register data stores
- Submit Change Requests
- Create Groups for Business areas in GeoHub
- Be a Technical Advisory Group (TAG) member
- Attend and contribute to GETAG meetings

Common Patterns Of Use

- Mapping & Visualisation
- Data Management
- Field Mobility
- Monitoring
- Analytics
- Design and Planning
- Decision Support
- Constituent Engagement
- Sharing and Collaboration

Personality

Likes

- Solving user's problems
- Automation of manual repetitive tasks
- Appropriate tagging and metadata
- Standards and process documentation for reference
- Targeted training materials for troubleshooting
- Data organised and stored in a logically and accessible manner
- Maintenance of authoritative data and metadata

Challenges

- Unsupported products of software that is not fully tested
- Poor performance not meeting business needs
- Working in a reactive environment
- Poor quality and out of date datasets
- Inability to find and manage content and users

Tools and Apps

ArcGIS Pro | GeoHub | ArcGIS Online | FME | Python | VertGIS | ESRI REST API | Open Data

Example Custom Role

GeoHub - Local Administrator
AGOL - Local Administrator

ACT Government SharePoint

Geospatial Ecosystem

Home Documents Wiki Edit

WELCOME

Geospatial Ecosystem

News

Join Geospatial Communities

Geospatial Ecosystem Wiki

Wednesday, February 20, 2019 4:01 PM

This page is a comprehensive one stop shop for most if not all your Geospatial questions. This is a "crowd-sourced" wiki.

- Head to the sections on the side to expand topics:

- Expand right hand panel > to navigate Geospatial Ecosystem Wiki and Work from Home etc.



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The Results

Since April 2024

- GIS Centralised Page visits – 2615
- GIS onboarding material - 2222

Streamlined
Workflows and
standardisation

GIS training
and
education

Improved
culture of
collaboration

Celebration of
spatial Wins



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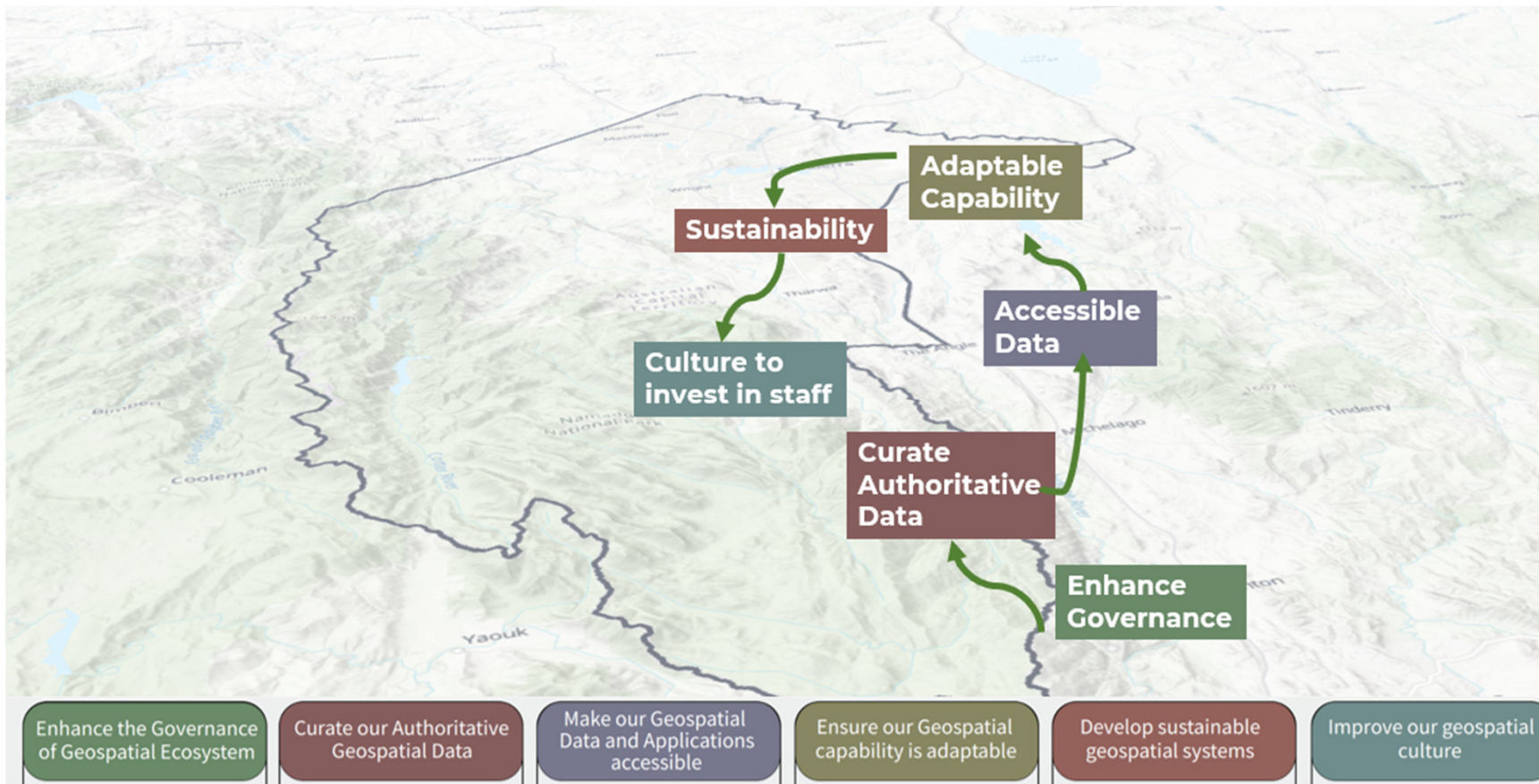
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The Road Ahead



The most relevant SDGs related to the presentation and theme of this session



SUSTAINABLE DEVELOPMENT GOALS

International Federation of Surveyors supports the Sustainable Development Goals