The Role of LADM in Configurable Geographic Information Systems

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Understanding What Is Geospatial Infrastructure?

... GIS at Scale

Content
- Foundational
- ... Directly Usable and Services-Based

Mapping & Analytics
- Geographic Sciences
- ... and Visualization

Integration
- Leveraging Location
- ... and Technology

A Platform for Sharing
- ... and Collaboration

... and Solving Problems Holistically
Implementation of a Geospatial Strategy

The Esri Method

Understand
- Mission / Purpose
- Goals & Objectives
- Success Criteria
- Challenges

Plan
- Processes & Workflows
- Information & Technology
- Workforce Capabilities
- Roadmap
  - Prioritized Activities

Act
1. Prepare
   - Define
   - Design
   - Communicate
2. Implement
   - Build
   - Deploy
   - Enable
3. Operate
   - Execute
   - Monitor
   - Support
4. Review
   - Outcomes
   - Utilization
   - Usability

Revisit
Geospatial Infrastructure Common Patterns of Use

**Mapping & Visualization**
Understand locations and relationships with maps and visual representations.

**Data Management**
Collect, organize, and maintain accurate locations and details about assets and resources.

**Field Mobility**
Manage and enable a mobile workforce to collect and access information in the field.

**Monitoring**
Track, manage, and monitor assets and resources in real-time.

**Analytics**
Discover, quantify, and predict trends and patterns to improve outcomes.

**Design & Planning**
Evaluate alternative solutions and create optimal designs.

**Decision Support**
Gain situational awareness, and enable information-driven decision making.

**Constituent Engagement**
Communicate and collaborate with citizens and external communities of interest.

**Sharing & Collaboration**
Empower everyone to easily discover, use, make, and share geographic information.
The Patterns are Related
... and Build on one Another

Analytics

Monitoring

Field Mobility

Mapping & Visualization

Data Management

Decision Support

Design & Planning

Sharing & Collaboration

Constituent Engagement
Patterns Help Connect Technology with Business Needs

- Field Mobility
- Constituent Engagement
- Decision Support
- Mapping & Visualization
- Monitoring
- Analytics
- Design & Planning
- Sharing & Collaboration
- Data Management
- Mapping & Visualization
- Sharing & Collaboration
- Design & Planning
- Analytics
- Constituent Engagement
- Decision Support
- Mapping & Visualization
- Monitoring
Land Administration Solution Overview

Create and Manage Parcel Data
- Parcel Geometry
- Parcel History
- Ground Control
- State Owned Property
- 3D Cadastre

Field Data Collection
- Workflow Management
- Standards, Data Cleansing

Web Based Applications
- Parcels
- Property Values
- Survey Control
- Addresses
- Title Search
- Etc...

Land Administration Portal

Land Administration Service Catalog
- Parcels
- Property Values
- Survey Control
- Addresses
- Title Search
- Etc...

Information Products
- Property Sales Map
- Cadastral Map
- Tax Exempt Properties Map
- Top 25 Taxpayers Map
- Public Notification App
- Dashboards
- Appeals Map
- Etc...

Open Data/NSDI
Share information internally or with the public

Registry
Link
Cadastre
The Patterns are Related
... and Build on one Another
Same LADM, More Possibilities

Access the new service and extend to suit your needs

Available now at esri-landadm.hub.arcgis.com
LADM in the Office or the Field

With Web Services, LADM is available anywhere on any device

Parcel Management

Field Data Collection

Registry Integration