JLCIMT/State CIO
Geospatial Data Sharing Workgroup
Geospatial Framework Data Sharing Among Public Bodies
January 2017
Geospatial Framework Data Sharing

SUMMARY

• Sharing geospatial Framework data between government agencies results in better decision making and increases return on data investments
• Sharing geospatial Framework data provides mutual benefits for all jurisdictions
• Oregon Legislature has asked for a Legislative Concept to improve data sharing
• Not logistically possible to make the case for sharing to all jurisdictions (1300+) and their elected officials…we tried that and were unsuccessful
• Governance structure in Legislative Concept enables all stakeholders to participate in determining how, when, and what is shared
Value Proposition

- Legislative concept would make trusted data available consistently across the state for government use
  - FEMA floodplain data and Oregon Water Resources Dept. water rights data in combination with tax lots for flood mitigation & response, and for water resource management
  - School districts and attendance areas in combination with address points to ensure foster kids stay in the same school when they have to be moved to a new home
  - Wildfire boundaries, tsunami zones, evacuation areas, etc., in combination with aerial imagery and home sites to protect life and property in disasters
  - Tax lots, economic incentive zones, roads, energy facilities, and school & business locations to promote economic development
  - Public drinking water supply locations, contamination sources, pesticide use and tax lots to protect public water supplies
  - Address points, emergency service zones, landmarks and first responder locations for 911 response
Value Proposition

• Legislative concept would remove significant liability concerns with data sharing

• Concept includes an OGIC Fund, which could provide resources to:
  • Support standardization of base data for widespread use
  • Develop tools for data providers to standardize and make data widely accessible
  • Sustain Oregon Spatial Data Library as central repository
  • Eliminate need to charge other public bodies for data

• Legislative concept does NOT seek to eliminate data fees that public bodies charge to private sector businesses and other non-government customers
Geospatial Framework Data Sharing

Problem Statement:

• Successful government decisions depend on reliable, accurate, timely information

• Government decisions are often based on inadequate data that isn’t updated or complete

• Most government agencies don’t share data with each other, so data “gaps” and duplication continues…

• Oregon State and local government wastes over $200 million annually duplicating geospatial data collection and management. *OGIC Study - 2006
Geospatial Framework Data Sharing

Problem Statement (cont.):

• The **impediments** that prevent data sharing between government agencies can be summarized as:
  
  • Privacy/Confidentiality
  
  • Liability
  
  • Cost recovery for geospatial data development, management, maintenance and sharing
  
  • Governance to make collaborative decisions has been inadequate
  
  • Effectiveness and use of intergovernmental agreements has been problematic

• **Geospatial data** – any dataset with a locational element, such as an address, tax lot ID or latitude/longitude coordinate – is an essential component of the business of government.
Draft Legislative Concept Overview

• Establishes the Oregon Geographic Information Council, tasked to:
  • identify geospatial Framework data sets to be shared between public bodies
  • define frequency by which Framework data sets will be shared between public bodies
  • govern collection, use, management, sharing, maintenance, funding of Framework data between public bodies
  • charter Framework Implementation Teams

• Establishes an OGIC Fund account for development, acquisition or maintenance of Framework data, or other activities that further the sharing of Framework data

• Requires public bodies to share Framework data with other public bodies if they may do so using existing data and existing resources, without additional cost

• Provides for certain exemptions from liabilities in connection with sharing of geospatial Framework data among public bodies
Oregon Geographic Information Council

**OGIC TODAY**
- Federal: 1
- Tribal: 1
- Academic: 1
- Local: 2
- State: 22

**PROPOSED OGIC**
- State: 8
- Local: 6
- Academic: 1
- Non-profit: 1
- Public: 1
- Utility: 1
- Federal: 1
- Tribal: 1
Draft Legislative Concept Overview

• Establishes Geospatial Enterprise Office (GEO) and State Geospatial Information Officer position, necessary to support OGIC and effective Framework data sharing

• GEO will operate and maintain a central repository for shared Framework data and provide secure means to share Framework data between public bodies
  • Public bodies will consume data from the central repository, not from each other

Geospatial Data Sharing Work Group is considering ways to phase implementation of this data sharing approach to lessen impact on data custodians.
Geospatial Framework Data

- **fundamental** geospatial data (~250 data elements)
- typically **statewide** in extent
- considered to be **trusted**
- intended to serve a **broad range of users** at all levels of government, academia, and potentially the private sector and the public at large
- currently **organized into fifteen** themes
- developed to **agreed-upon standards**
- shared securely and appropriately
- maintained through a voluntary, collaborative, community-based effort under **stewardship agreements** participated in by local, regional, and state level agencies within Oregon
Geospatial Framework Data

- Cadastral
- Transportation
- Hydrography
- Admin Boundaries
- Elevation
- Imagery
- Geodetic Control
- Address Points
- Land Cover/Use
- Bioscience
- Climate
- Utilities
- Preparedness
- Geoscience
- Hazards
- Coastal/Marine
Transportation Framework

- Statewide street centerline file
- Updated locally; State Department of Transportation is data steward
- Integrated with state highways and federal resource roads
- E-911 and federal funding mechanisms for maintenance
- Coordinated with regional & national models
Oregon Framework Story Map

GEO STORY MAP WEB LINK
Framework Status

Fifteen Framework Implementation Teams – 450+ people

- Voluntary Federal, Tribal, Regional, State, Local government, academic, non-profit & private sector participation
Geospatial Data Sharing Work Group

Work Group Meetings

• Every six weeks or so, from April to December – 7 meetings planned

Agenda, meeting materials, and meeting notes for Work Group meetings posted at:
http://www.oregon.gov/geo/Pages/data-sharing-workgroup.aspx
Contact Information

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JLCIMT/State CIO Geospatial Data Sharing Work Group Website  
http://www.oregon.gov/geo/Pages/data-sharing-workgroup.aspx