

JLCIMT/State CIO  
Geospatial Data Sharing Workgroup

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Geospatial Framework Data Sharing Among Public Bodies

January 2017

# Geospatial Framework Data Sharing

## SUMMARY

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- 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

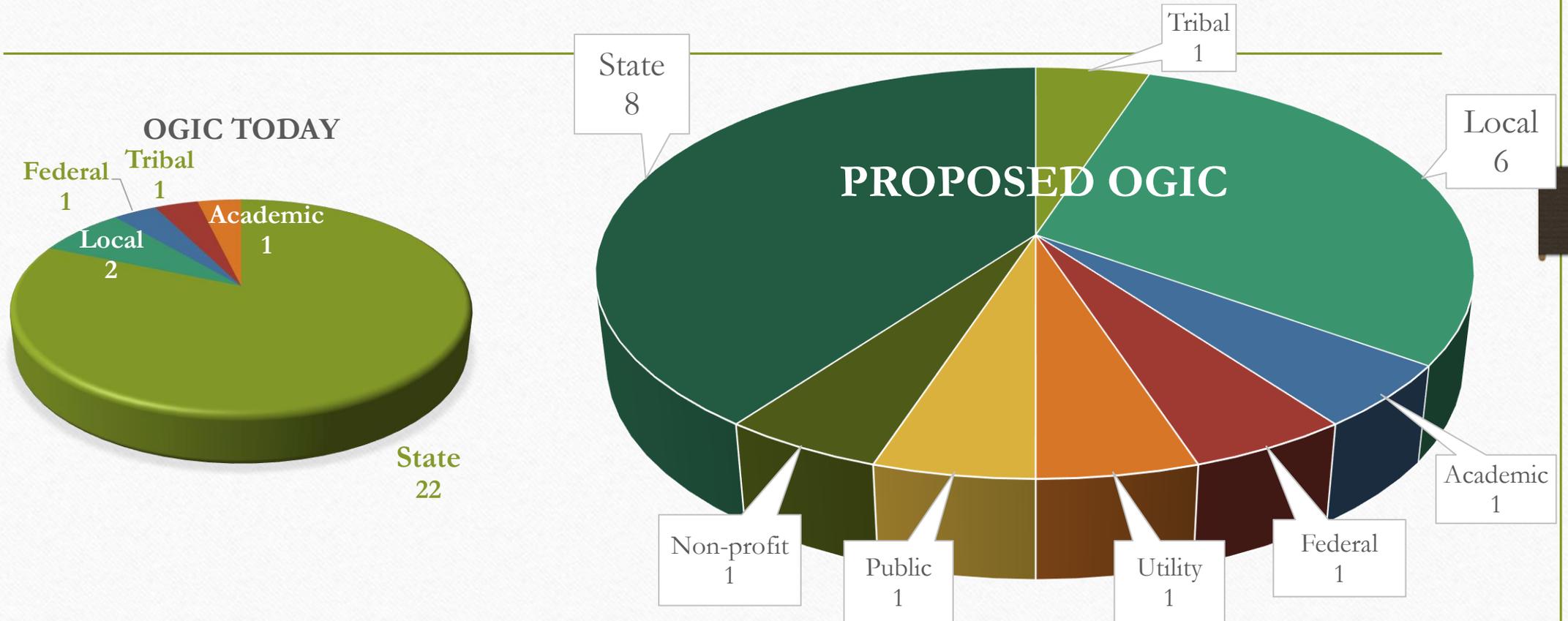
## Problem Statement (cont.):

- 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



# 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**

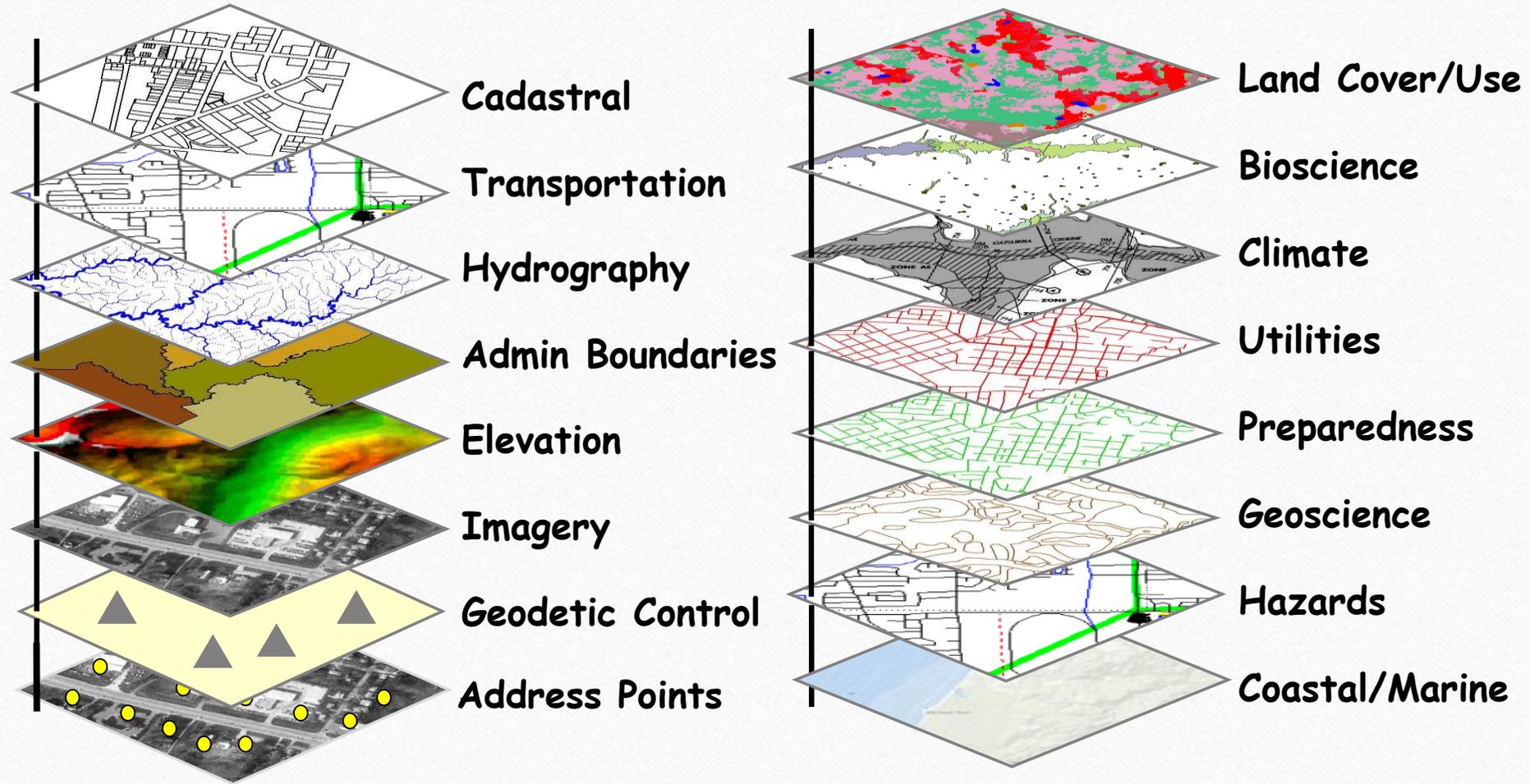
**Geospatial Data Sharing Work Group is considering ways to phase implementation of this data sharing approach to lessen impact on data custodians.**

# Geospatial Framework Data

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- **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



# Transportation Framework

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- 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](#)

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# 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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Sean McSpaden, Principal Legislative IT Analyst

JLCIMT Committee Administrator

Oregon Legislative Fiscal Office

Phone: 503-986-1835

Email: [Sean.L.McSpaden@state.or.us](mailto:Sean.L.McSpaden@state.or.us)

Cy Smith, State Geospatial Information Officer

Office of the State Chief Information Officer

Phone: 503-378-6066

Email: [Cy.Smith@Oregon.gov](mailto:Cy.Smith@Oregon.gov)

JLCIMT/State CIO Geospatial Data Sharing Work Group Website

<http://www.oregon.gov/geo/Pages/data-sharing-workgroup.aspx>