

Oregon Department of Administrative Services

navigatOR Oregon's One Government Approach



Geospatial Enterprise Office November 14, 2013

One Government Summary Points

- Citizens expect government to act as One
- Government is structured as silos
- GIS connects business processes across silos
- Connections between silos happen now, but...
 - Unreliable, Inconsistent, Intermittent
- Data Sharing is the most critical element
- Governance is key to One Government approach
 - Enterprise Architecture includes technology and governance

Background – GIS Coordination

- Geospatial Enterprise Office (GEO)
 - navigatOR program operated by GIO and 7 staff
 - 2013-15 program budget: \$3,500,000
- GEO operates under Executive Order 00-02
 - Coordinate the GIS activities of all levels of government in Oregon
 - Provide library of shared geospatial data
 - Provide support to Oregon Geographic Information Council



GEO Coordination Activities

Building Strong Relationships

• Federal, Regional, Tribal, State, and Local Government

Building Capacity at All Levels

- Skilled Professionals
- GIS Technologies

Building and Providing Access to Relevant Datasets

- Geospatial Data Development
- Building Governance Architecture
 - Data and Application Stewardship

Some Specific GEO Activities

- Esri Enterprise License for state agencies
- Statewide Broadband Map (FCC-funded)
 - https://broadband.oregon.gov/StateMap
- Statewide Address Points Project (911-funded)
- Public Safety Common Operating Picture
 - https://raptor.oregon.gov/raptorfx/
- Energy mapping (alternative fuels & biomass inventory)
- Local government web viewers
 - http://gis.oregon.gov/DAS/CIO/GEO/web_services/Lake/index.html
- Oregon Explorer & Spatial Data Library
 - http://oregonexplorer.info
- ArcGIS Online for state government
 - http://geo.maps.arcgis.com



Institute for Natural Resources



- Oregon Explorer Map Viewer
 Tutorials
- Watershed Restoration Tool
 - Tool and data info
- Community Reporter Tool
- Oregon Wildlife Viewer

DATA & DOCS

	and the second s
lear (P.	Annual and a second state when the second states and a second state of the second states and a second states and a second states and a second state of the second states and a second states and a second states and a second state of the second states and a second states and a second state of the second states and a second stat
1 Anna Anna An Anna An Anna Anna Anna Ann	
i Berry	
	The second s

- Oregon Spatial Data Library
- Oregon Imagery Explorer
- Find resources



Welcome to the Oregon Explorer!

Information to help citizens and policymakers make better decisions about Oregon's natural resources and communities.

NEW! Western Landscapes Explorer



Western Landscapes Explorer focuses on collaborative organizations, such as the Western Governors Association and the Western Forestry Leadership Coalition and their prioritization of landscape-level management actions across the West. Featured: spatial data, landscape-level models and output from the Integrated Landscape Assessment Project, and photographs.

Oregon's Top Natural Resource Plans





Healthy Environment as one of the six high-level outcome areas in the 10-Year Plan for Oregon. Learn about the Oregon plans and programs that support a healthy environment.

convenient ways to Featured Data Oregon Hazards I	LAUNCH MAP VIEWER find, access and share geospatial data.
convenient ways to Featured Data Oregon Hazards I	find, access and share geospatial data.
Featured Data Oregon Hazards I	Data
DATA Hazards data includes: Climate Coastal Erosion Earthquake Floods Geologic Floodplain Landslides Naturally Occurring Hazardous Materials Tsunami Volcanic Hazards Wildfire	RESOURCES • Hazard/Preparedness Framework Implementation Team • geo.data.gov • The National Atlas • Hazards Explorer • DOLS TOOLS Hazards Reporter
	DATA Hazards data includes: Climate Coastal Erosion Earthquake Floods Geologic Floodplain Landslides Naturally Occurring Hazardous Materials Tsunami Volcanic Hazards Wildfire

We are currently gathering feedback of the Oregon Spatial Data Library. Your suggestions and comments will help improve this website. Take our online user survey Ŧ



Welcome to Oregon's new source for interactive maps and applications!

Oregon ArcGIS Online enables State of Oregon users to create and share geospatial resources, including web maps, services, and applications. The general public can also view and interact with content on the site. Take a look at featured maps and applications in the resources gallery. Use the built in map viewer to explore existing maps or to author your own (*requires signing in*).



Oregon ArcGIS Online users must comply with the terms of use of this site.

Have questions, general feedback, or would like to sign-up to use advanced features on this site? We want to hear from you! Contact the Oregon ArcGIS Online Administrator for more information.

Dept. of Agriculture Insect Pest Prevention and Management





Dept. of Agriculture Invasive Weed Management Map



Legislative Administration Who Represents Me App



//localhost/is/leg_admin/leg_search.html

Dept. of Land Conservation & Development Shoreline Boundary Review



http://geo.maps.arcgis.com/home/webmap/viewer.html?webmap=499069f61dff4e0ab70826ace49b24f

Dept. of Land Conservation & Development Coastal Zone Finder



Dept. of Land Conservation & Development Zoning & Comp. Plan Status Map

Zoning and Comprehensive Plan Status Map New Map My Content * Help * Sign Out HOME Print Bookmarks 🔷 Add 👻 / Edit Basemap Oirections Measure Q 🔄 Details Save -Share Find address or place 1000 E odbum Contents Cities: Comp Plan o Salen Status Cities: Zoning Status 9 Yes No Counties: Comp Plan Status null Redmond Yes Counties: Zoning Status Springtield Buger Topographic 100 Altamont Esri.com . Terms of Use . Privacy MHO FRAS KING Fait, Del onne, FAO, USGS, EP Contact Us , Report Abuse

Dept. of State Lands



DHS/OHA and Employment Esri Maps for Office rollout



Esri Maps for Office

Map-Enable Your Data

Making a dynamic map of your Excel data is as easy as creating a graph or chart. Quickly map locations and other geographic data by territory, state or ZIP Code. You control how the maps are styled, so you can emphasize the information that's important. <u>Watch a short video</u>. [02:47]





Enrich Your Data

17

Add geographic data enrichment services to your map to get more context about a location or area. Show demographics and lifestyle data and other relevant characteristics associated with a specific area to provide new and deeper insights about your mapped locations.



ODOT Featured Web Mapping Applications



Make a Map »

Create a map that can be viewed in a browser, desktop or mobile device. Share it on a blog, via email, or embed it in a website.

ArcGIS for Developers »

Build custom web and mobile applications that incorporate your maps and data.

//odof mans arcois com/home/ Contact Us | Report Abuse

State/Local Geospatial Investment

Amount Spent Annually on Geospatial Data

- Use, Management, Collection, Maintenance
- State Government
- County Government
- City Government

- ~ \$2,235,576,000
- ~ \$1,121,239,000
- ~ \$1,480,729,000
- **TOTAL** ~ \$4,837,544,000
 - navigatOR budget = .03% of total spend

Activities Managed By Work Function



The Global Perspective

Traditional operating model

Activities Managed With A Focus On Outcomes

GIS Integrates Information Across the Enterprise



Shared Information

- Sizable and costly portion of needed data is common to nearly all programs and decisions
- Traditional Approach
 - Each agency develops base data themselves, in slightly different ways – lots of examples
- Oregon Enterprise Approach
 - One agency acts as steward for each base data set, on behalf of all others, to integrate and maintain data

Framework Data

National Standards



Oregon Standards



Framework Data Initiative

- Fourteen Working Committees 450+ people
- Operates Under Auspices of Governor's GIS Council
- Tasked with Implementation Plan and Standard for each data theme
- Data Standards Development & Adoption Process
- Expanding to Include Stewardship Governance
- Biggest Challenge is Communication

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 funding mechanism for maintenance
- Coordinated with regional & national models

Oregon's Transportation Framework



Revised 4/8/02

Managing a Shared Resource

- How will consistent communications happen?
- How will policies, regulations, and procedures be established?
- How will the distributed data for all the shared themes be updated consistently to ensure that relied-upon capabilities are always available?
- A shared organizational structure with equal representation from all sectors must be created.
- Authority for that structure must be established.

Data Sharing Partnership

- Need to do better job of data sharing w/locals
- Several problematic issues:
 - Privacy/confidentiality
 - Risk/liability
 - Sustainable funding
 - Governance
- Dialogue and regional meetings for consensus
- Progress being made now to formalize process
 roads, parcels, addresses

Regional Service Centers

- Many rural governments (city/county/districts) don't have the resources to develop GIS
- If they aren't creating base data, we have holes
- Non-profit regional service centers affiliated with universities or colleges
- Modeled after existing service centers in two largest urban areas
- Contract management for economies of scale
- Data integration and simple data development
- Student laborers gain valuable experience

Tracking Stimulus Spending Increasing Government Transparency





Data Contributors

State Agencies Cities

Contractors

Data Warehouse

Number		Agency	
0001	Central Point Carpet Replacemnet	DAS	Select
0002	UPS Battery Replacement SDC	Seattle	P Tun
0003	Carpet Replacement	Olympia WASHIN	IGTON
0004	L& Bldg. Domestic Water Pipe Re;		Yakima
0005	Exterior Canopy- Pendleton 202	>	
0006	Chiller Replacement - Pendleton 20 🗧 🌠	A The s	
0007	Unfunded 🛛 🗌 🚬 🎦	Retto	and a
8000	Unfunded	000	REGON E
0009	Painting/Ceiling Tile/Restroom Im	Palem O	1º 1 1
0010	PSOB Fire System Upgrade - Ph. 2		2
0011	Replace Freezer Lighting at CDC	OREG	AN L
0012	Replace expired wireless batterie		
0013	Replace backup electrical system	S	9
0014	install solar system	Falls	14.1
0015	Replace out of date Security Syste		Same
14 14	Page		Sall



GIS-enabled Project Funding



Use spatially-enabled unemployment data to help inform funding decisions



Governor's Executive Dashboard







Outcome Areas and 'Success Metrics'



Dashboard Reporting Widgets



Full screen widget view



Optimized for tablets, android & iOS phones





One Government Summary Points

- Citizens expect government to act as One
- Government is structured as silos
- GIS connects business processes across silos
- Connections between silos happen now, but...
 - Unreliable, Inconsistent, Intermittent
- Data Sharing is the most critical element
- Governance is key to One Government approach
 - Enterprise Architecture includes technology and governance

Thank You

Cy Smith, Oregon GIO cy.smith@state.or.us