OREGON STATE & LOCAL GOVERNMENT EXPENDITURES

Amount Spent Annually on Geospatial Data
Use, Management, Collection, Maintenance

State Government $2,235,576,000
County Government $1,121,239,000
City Government $1,480,729,000

TOTAL $4,837,544,000
And yet...

... government struggles, and often fails, to effectively use information to solve problems.
The business of government typically requires organizations to work together...

...to collaborate.
Wildfire response is a key area of collaboration in Oregon...
Local, state, national and private sector firefighters often work together.
They use helicopters to search for water sources...
A few years ago, one of those helicopters hit an electric line they didn’t know about.
This is not simply a data sharing issue.

It is also a collaboration issue.
There is no formalized, authoritative structure that enables government organizations at all levels to collaborate to solve their shared problems.
ACTIVITIES MANAGED BY WORK FUNCTION

The Global Perspective

Typical operating model

State Agencies
Federal Agencies
Local Governments
Academic Institutions
Regional Organizations

Data
Data
Data
Data
Data
GIS Integrates Information Across the Enterprise

ACTIVITIES MANAGED WITH A FOCUS ON OUTCOMES

- Improve Services to Citizens
- Coordinate Public Services to Help Guide Development
- Improve Management of Natural and Human Resources
- Provide Effective Response to Emergencies

Data

State Agencies
Federal Agencies
Local Governments
Academic Institutions
Regional Organizations

GIS Framework
They have to be part of the decision process... the collaborative governance structure... to determine how their data is to be shared and used.
Collaborative governance is a formal recognition of decision rights.
DRUG ABUSE EPIDEMIC & CHILDHOOD TRAUMA
FOSTER CARE EPISODES BY CCO
RISK FACTORS FOR CHILDHOOD TRAUMA

- Poverty
- Poor Housing
- Poor Nutrition
- Unstable Families
- Foster Care
- Domestic Violence
- Substance Abuse
- Behavioral Health
- Unsafe Neighborhoods

INVESTMENT IN CHILDREN AND THEIR FAMILIES TO AVOID CHILDHOOD TRAUMA IS WORTHWHILE.
<table>
<thead>
<tr>
<th>Subsector</th>
<th>Number of Nonprofits</th>
<th>Percent of Nonprofits in State</th>
<th>Percent of Respondents from Subsector</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animal Welfare</td>
<td>268</td>
<td>3%</td>
<td>5%</td>
</tr>
<tr>
<td>Arts, Culture &amp; Humanities</td>
<td>1228</td>
<td>12%</td>
<td>17%</td>
</tr>
<tr>
<td>Community Improvement &amp; Capacity Building</td>
<td>124</td>
<td>1%</td>
<td>6%</td>
</tr>
<tr>
<td>Civil Rights &amp; Advocacy</td>
<td>165</td>
<td>2%</td>
<td>2%</td>
</tr>
<tr>
<td>Crime Prevention &amp; Legal Affairs</td>
<td>66</td>
<td>1%</td>
<td>2%</td>
</tr>
<tr>
<td>Education</td>
<td>256</td>
<td>2%</td>
<td>7%</td>
</tr>
<tr>
<td>Environment</td>
<td>538</td>
<td>5%</td>
<td>8%</td>
</tr>
<tr>
<td>Food, Agriculture &amp; Nutrition</td>
<td>102</td>
<td>1%</td>
<td>2%</td>
</tr>
<tr>
<td>Healthcare &amp; Counseling</td>
<td>469</td>
<td>6%</td>
<td>8%</td>
</tr>
<tr>
<td>Housing &amp; Shelter</td>
<td>246</td>
<td>2%</td>
<td>4%</td>
</tr>
<tr>
<td>Human Services</td>
<td>1,060</td>
<td>10%</td>
<td>17%</td>
</tr>
<tr>
<td>Philanthropy, Volunteerism &amp; Grants</td>
<td>1,413</td>
<td>14%</td>
<td>7%</td>
</tr>
<tr>
<td>Public Safety, Disaster &amp; Crisis Intervention</td>
<td>104</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>Recreation, Leisure &amp; Sports</td>
<td>778</td>
<td>8%</td>
<td>4%</td>
</tr>
<tr>
<td>Religion</td>
<td>2,703</td>
<td>26%</td>
<td>1%</td>
</tr>
<tr>
<td>Research</td>
<td>120</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>Youth Development</td>
<td>574</td>
<td>5%</td>
<td>8%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>10,429</strong></td>
<td><strong>100%</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>
Top two factors in government decision making: Politics and Funding...

...information or evidence is a distant 3rd, if not lower
Outcome-based Governance
for planning, budgeting and tracking

Program Evaluation Office
- COO
- CIO
- CFO
- CHRO

Governor’s Office

Enterprise Leadership Team
- Education
- Healthy People
- Healthy Economy

Regional Solutions Teams
- Civic Engagement
- Citizens
- Private Sector

Civic Engagement
- Task Forces
  - Public safety
  - Energy
  - Environmental Justice
  - Healthy Engagement
  - Fish Passage
  - Public Health

Outcomes Alignment:
- Feedback &/or Guidance
  - Outcome area definitions, indicators, KPMs, budget, alignment, etc.
- Evaluation of Progress & recommendations

Outcomes:
- Healthy People
- Healthy Environment
- Healthy Economy
- Improving Government
- Resilience
- Hungry
- Teen Pregnancy
- Vets Reintegration
- Trans/Tourism

Partners:
- State agencies, school districts, ESDs, universities
- legislature
- AOC/LOC
- NGOs, Feds, legislature
- regional govt.
- NGOs, tribes
- Feds, legislature
- Sheriff’s Assoc., Police/fire/PSAPs, FEMA/Feds, legislature
- NGOs, legislature
STATUTORY AUTHORIZATION ENACTED LAST YEAR FOR AN IMPROVED GIS GOVERNANCE MODEL
A. NETWORK CONNECTIONS
- Internet, LAN or Dedicated WAN

B. CORE DATA CENTER
- GIS Data Themes
- Framework
- Attribute Data Sets
- Metadata

C. REGIONAL DATA CENTER
- F1: Users on high-speed state government network
- F2: Other users on high, medium, or low speed lines
- F3: Wireless access

D. and E. DISTRIBUTED DATA STEWARDS and WEB GIS SERVICES

F. USERS
- F1: Users on high-speed state government network
- F2: Other users on high, medium, or low speed lines
- F3: Wireless access

G. EXTERNAL (NON-GIS) DATABASES and APPLICATIONS

C. REGIONAL DATA/SERVICE CENTER
- Framework
- GIS Data Themes
- Attribute Data Sets
- Metadata
FRAMEWORK DATA THEMES

Nationally recognized
- Cadastral
- Transportation
- Hydrography
- Admin. Boundaries
- Elevation
- Imagery
- Geodetic Control
- Address Points

Oregon-specific
- Land Cover/Use
- Bioscience
- Climate
- Utilities
- Preparedness
- Geoscience
- Hazards
- Coastal/Marine