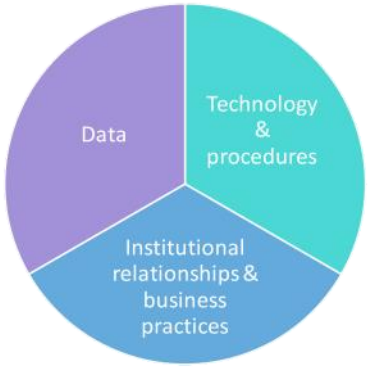
Welcome to FIT leadership

Thursday, March 07, 2019

Dear FIT leader:

We at GEO are extremely pleased to have you on board as a new Framework Implementation Team leader. The Framework Implementation Team operates under the Oregon Geographic Information Council, re-established under Oregon Revised Statute 276A Oregon Geographic Information Council during the 2017 Legislative session.

Oregon's Framework is part of *navigatOR*. *navigatOR* is Oregon's spatial data infrastructure:



Oregon's Framework covers the "data" portion of navigatOR, as shown in the above diagram. Framework data are a portion of the full array of geospatial data being used in government and by public bodies today. Specifically, Framework data are the base data that are required for basic business operations across a wide set of applications. These base data provide the geographic references for many other data sets and provide a literal framework from which more specific attributes and applications can be based.

The Framework community, also known as the Framework Implementation Team, develops procedures for data management (in the Technology & procedures portion of navigatOR). The Framework Implementation Team works collaboratively to govern and manage Oregon's Framework data. It also facilitates the development and sustaining of institutional relationships and business practices that are required for governance, collaboration, and strategic use of the shared geospatial data assets that form Oregon's Framework data.

Communication is a big part of what has made Framework what it is today. Because communication is so important, Framework Implementation Team leads (FIT leads) meet at least twice per year to discuss a variety of topics that impact the Framework. Occasionally the group convenes for special meetings and ad-hoc work groups are also used to perform work tasks. As a FIT lead, it is recommended that you convene your theme or FIT about 3-4 times per year to ensure that the data in the theme are meeting user needs and that work is being coordinated to the greatest extent possible.

Framework Forums are stakeholder or community meetings designed for information sharing, endorsement of new and updated standards, and for discussion of relevant issues. These originated as meetings to that focused on discussing and endorsing standards. Over time, the Forums will also need to include more discussion and activity on stewardship or data maintenance.

If you have not already received a list of members of your FIT, please let me know. I invite you to browse

the GEO website (gis.oregon.gov) for more information about FIT and navigatOR. We have a Google calendar on the site that you can also subscribe to so that you are always up to date. Also consider contributing to the Framework newsletter about your theme's activities or issues that may impact others in the Framework community.

Again, I am pleased to have you as part of the FIT leads and am looking forward to working with you.

Sincerely,

Theresa Burcsu
Oregon Framework Coordinator
OSCIO Geospatial Enterprise Office
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Version 1.0 20190307

Mission & vision

Thursday, March 07, 2019

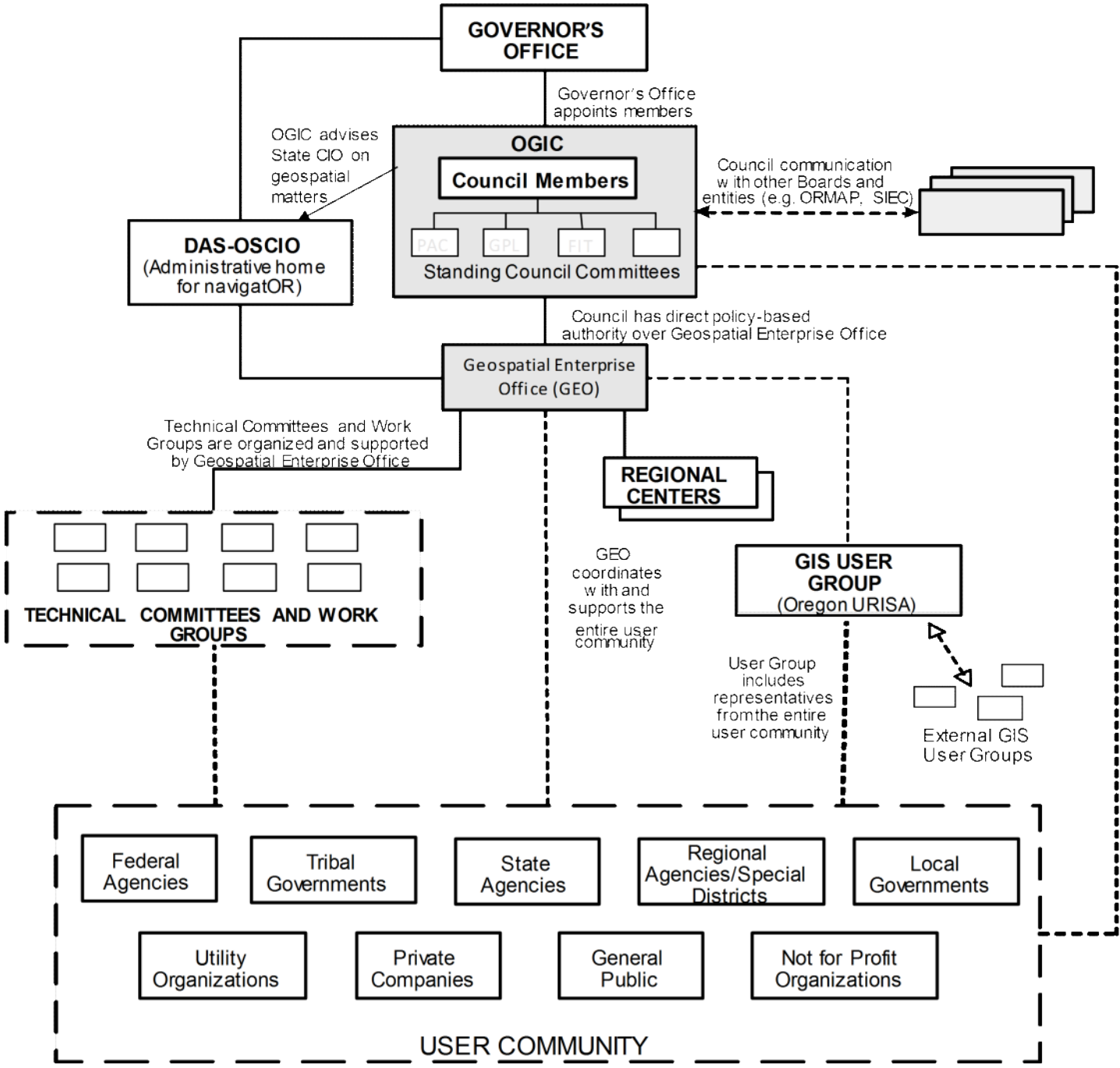
Mission

Working collaboratively to develop and steward national and Oregon Framework geospatial data themes for the Oregon Framework Implementation Team, Framework community, and Oregonians.

Vision

Authoritative spatial data is available and accessible when and where needed.

Organizational chart of Stakeholder Groups



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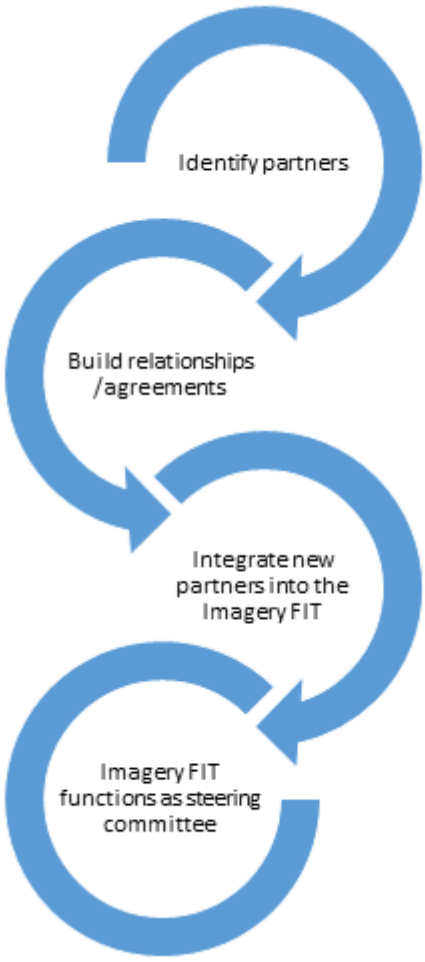
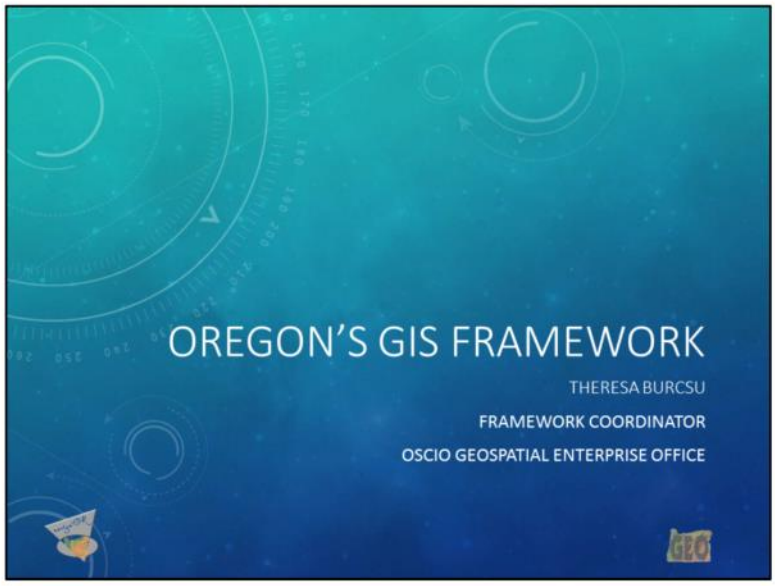
FIT Lead Duties and Responsibilities

1. Hold theme meetings 4 times per year (but use your good judgement about balancing this goal with the need for actually holding a meeting)
2. Provide meeting minutes to the Framework Coordinator for posting to the GEO website within 2 weeks of a meeting.
3. Work with GEO to administer the theme's email distribution list. This includes subscribing/unsubscribing members, making announcements, and other simple tasks as needed. New subscription requests should be reviewed for veracity. Knowledge or familiarity of the person or simple email to the email address should provide the kind of information to prevent spammers from joining.
4. Attend the FIT lead meetings and Framework Forums.
5. Bring an open mind and big picture thinking to the theme.



Overview of Oregon's GIS Framework - A presentation with notes



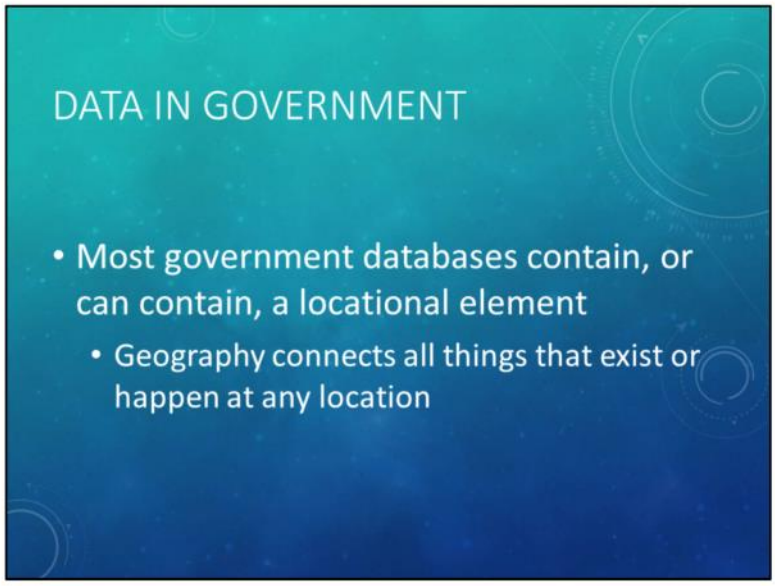
Talk overview:

1. Role of data in government
2. What is the role of geospatial data in government? Why should you care about GIS?

To begin, I'd like to post the question for you to ponder:

What is the role of data in government?

Data allows government agencies and personnel to provide the services that we are tasked with providing.
It helps identify issues that need public solutions, gaps in services, opportunities for improvement or new services, helps us understand who needs what, when and where.



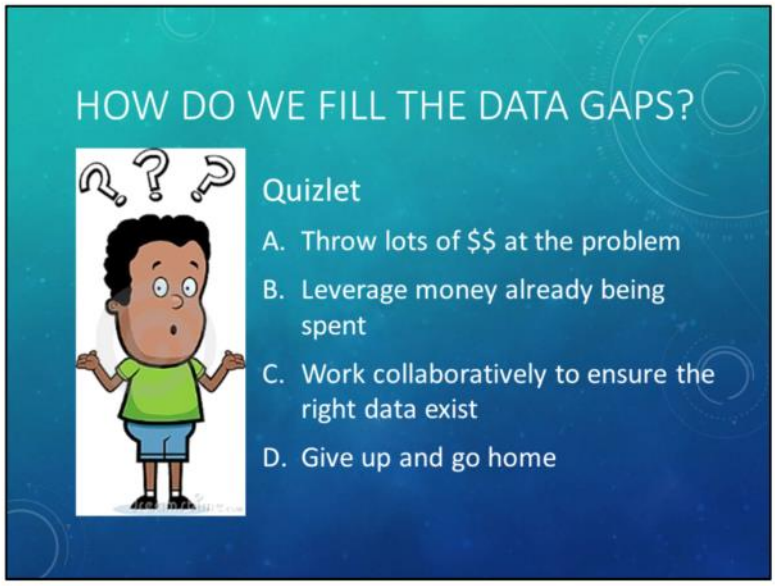
In fact there is a figure out there that an estimated 80% of data is locational. This figure has been traced back to a number of articles, academic and professional, but if you think about data with its attributes and identifiers, it might not contain coordinates that are explicitly spatial, but may contain information like addresses…districts…habitats…places.

These are all geographic and locational in nature, and shed some light on the origins of the 80% figure.

Let's work from the deduction that because most data is locational, we need locational information to provide our services.

This problem results in data gaps.

I've used points here, but gaps might also exist in area data; they might exist in the attributes that add value to the locations, areas, or lines. Gaps might also be present in the mechanisms used to maintain data, so that it becomes stale and out-of-date, resulting in temporal gaps in data and knowledge.



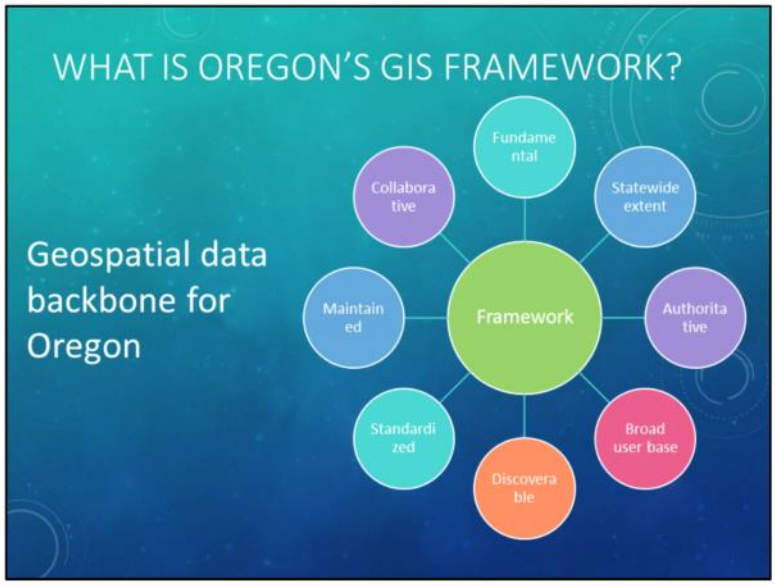
Quizlet: How do we fill the data gaps?

A. Throw lots of $$ at the problem
B. Leverage money already being spent
C. Work collaboratively to ensure the right data exist
D. Give up and go home

We know that lots of money can be very useful, if it exists. And more importantly can be acquired or accessed.

Giving up and going home while an option, isn't very desirable either, given that we are all here today.

So that leaves us with B & C as potentially useful strategies. And this is where Framework comes in.



In existence since 2000
Participated in by local, regional, state, tribal, and federal level agencies as well as private sector

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The vision for Framework is like that of navigatOR, Oregon's Spatial Data Infrastructure, that "authoritative data is available and accessible when needed"

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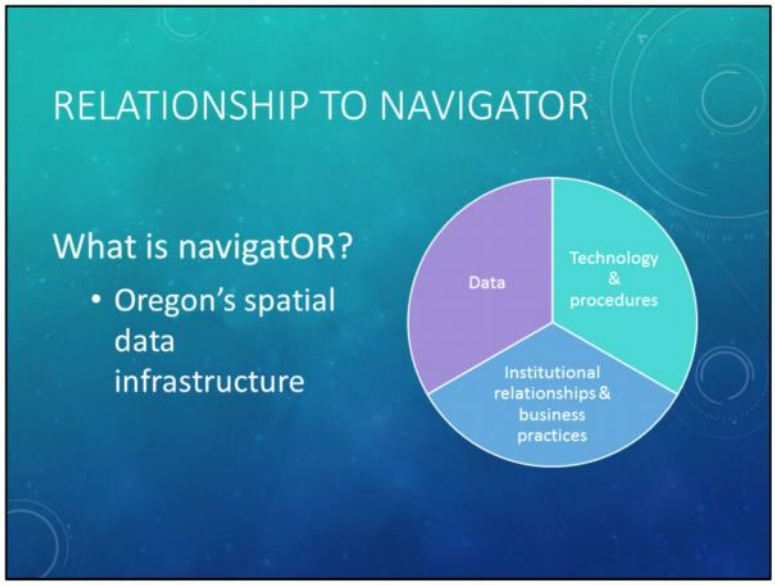
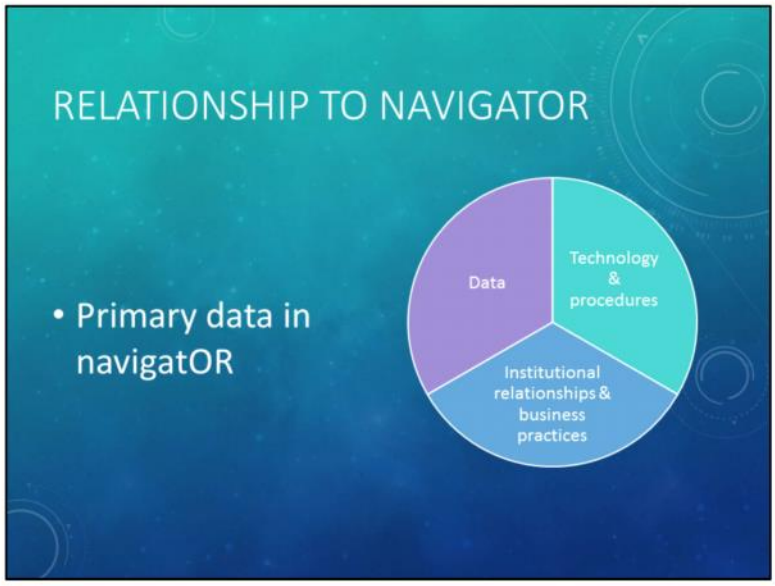
We've defined other ways in which data can be defined as authoritative…landslide data produced by an organization that has the recognized scientific credentials and expertise to create that data, for example. In Oregon, no one body has the legal responsibility to create landslide data.



I mentioned navigatOR a moment ago.

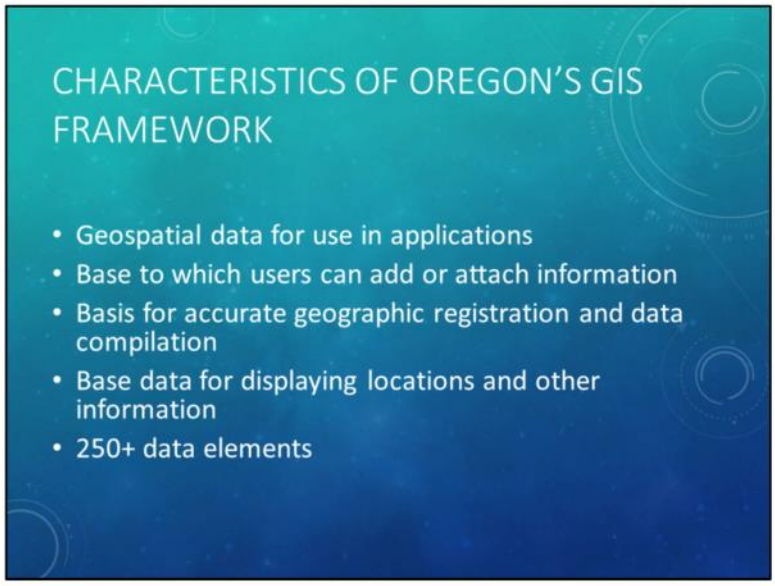
navigatOR is composed of three parts:
- Data
- Tech and procedures
- People part: relationships and practices


RELATIONSHIP TO NAVIGATOR
• Primary data in navigatOR
Data
Technology & procedures
Institutional relationships & business practices

RELATIONSHIP TO NAVIGATOR

- Provides community-designed standards and guidelines for:
  - Data development
  - Data integration
  - Data maintenance (stewardship)

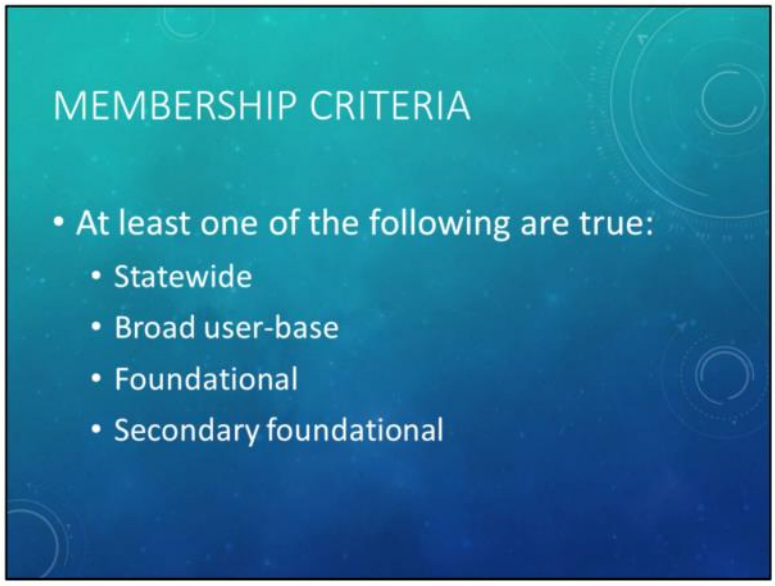
Responsive because they ARE the Framework community.



Oregon's GIS Framework provides

- Geospatial data for use in applications
- Base to which users can add or attach information
- Basis for accurate geographic registration and data compilation
- Base data for displaying locations and other information

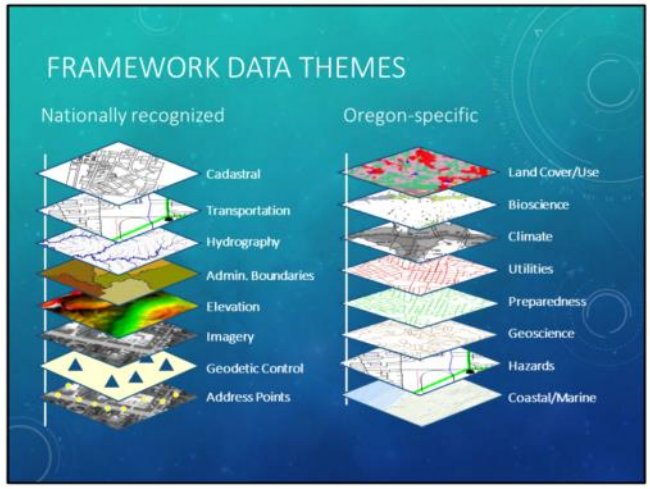
It is composed of over 250 data elements.



In order to be considered for inclusion as a Framework data element, the data element must meet at least one of the following criteria:

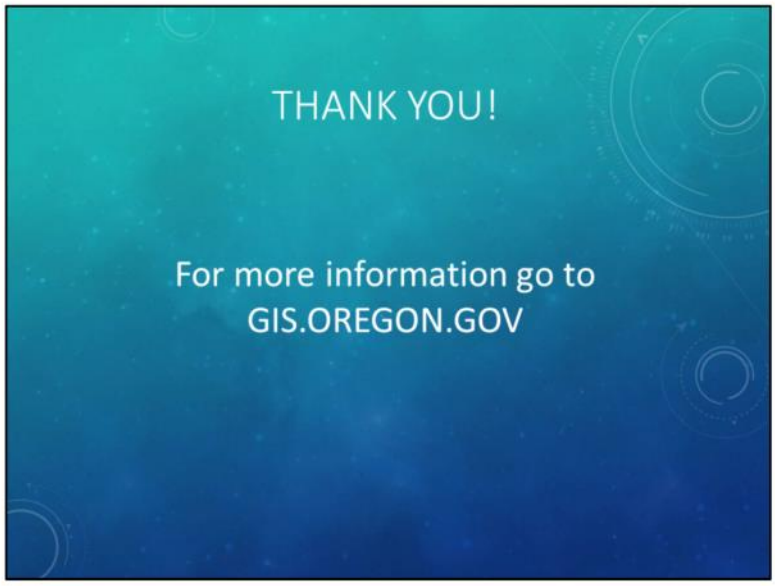
1. Phenomenon is statewide in geographic extent or impacted by a state-driven policy or program
2. Data is required by a broad range of users (more than two users)
3. Is identified as a foundational data element
4. Is identified as a secondary foundational data element

Access to data for your business
A framework for building your data sets
Partners and processes for working with others



•Click once to draw the NSDI 7 Framework spatial data categories (layers or themes). Ap
geospatial data vary greatly, but users have a recurring need for a few common themes c
themes of data form a foundation for many applications of geographic data and provide
reference for most other applications. These are 'Framework' data that all GIS users requ
Framework needs to be developed for the Nation.
•Click again to draw the "thematic data layers". These represent any other spatial, or no
that can be referenced, or overlaid, on the Framework data.
•Once these data sets are created to standards and documented, they can be shared acr
organizations and used many times to support different decisions. This results in cost sa
organizational efficiencies, and better decision-making.

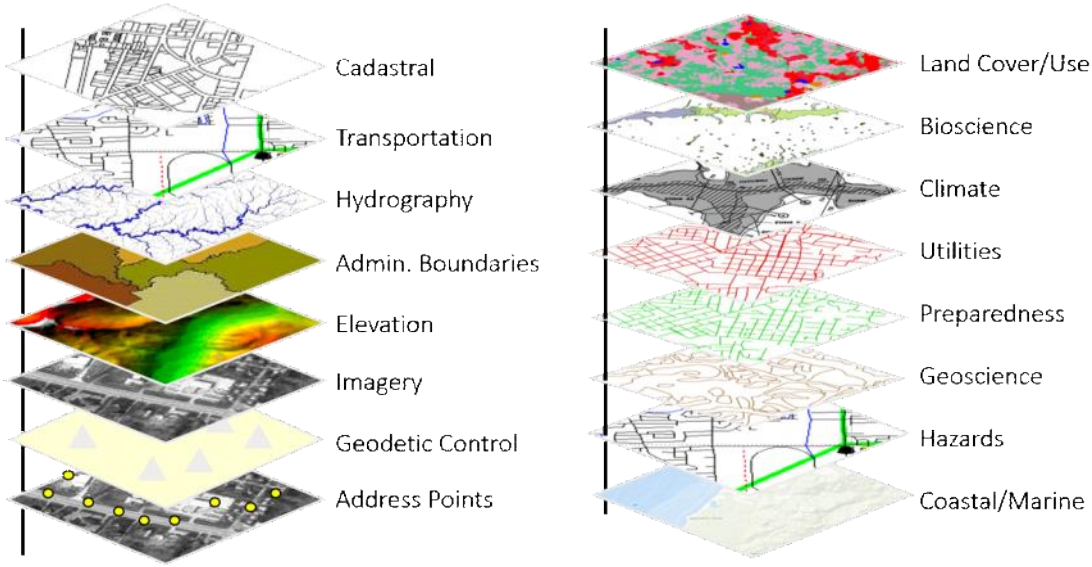

HOW DO YOU JOIN?
1. Attend a Framework Forum
March 15, 2018, UCC, Roseburg, OR
2. Join GEO's email lists
3. Contact FIT leads
4. Contact Theresa Burcsu, Framework Coordinator
Theresa.Burcsu@Oregon.gov
503-378-3157


THANK YOU!
For more information go to
GIS.OREGON.GOV

Theme strategy

Themes are used to organize the Oregon Framework's 250+ data elements, most data element management work, and its people. As a result of these many uses, we use the word *theme* to refer to both collections of related data elements and to refer to the permanent workgroups that develop, manage, and govern Oregon Framework data elements.

Oregon draws its themes from the Federal Geographic Data Committee's National Spatial Data Infrastructure and from the needs of the Oregon Framework Implementation Team community. In the diagram of Framework themes below, national Framework themes are on the left and Oregon-specific themes are on the right.



Governance

Organizational governance

Organizational governance refers to the policies, procedures, and processes used by the Framework Implementation Team to make and implement decisions in pursuit of the program goals and objectives.

Since 2001, the Framework Implementation has relied on a consensus-based collaborative governance system. The system uses the theme strategy (described elsewhere in this document) in which related data elements are organized into themes. As illustrated by the Oregon Geospatial Standards Development Guidelines, the Theme work groups are the birthing place and management structure for data standards and models.

Data governance

Data governance refers to the processes that govern how data enter into an organization, Oregon GIS Framework in our case, who is charge and accountable for their entry, and how the data achieve the standards established for the organization to integrate, use, and report the data as needed.

From: Fisher, Tony. 2009. The Data Asset: How Smart Companies Govern Their Data for Business Success. John Wiley & Sons, Inc. Hoboken, New Jersey.

Work Products List

1. Charter - update/revision; to be approved by each theme and FIT Chair
2. Theme implementation plan - high level document describing the work the theme will undertake, its components, overall costs, and other guidance information. May also include theme priorities on a 2 - 5 year time scale.
3. Annual or biennial data element work plans - collection of work plans for projects in alignment with FIT and theme priorities. Feel free to use work plans developed by members, custodians, or data sources to meet this need.
4. Theme standards - standards ensure that data are developed and updated consistently. Standards are initiated by themes. They are reviewed by the community. They are endorsed by the community and OGIC
5. Theme stewardship planning and plans - stewardship plans ensure that data are maintained over time and consistently with the standard. A good portion of data value comes from its reuse (data are non-depleatable). Data are non-degradable when they are maintained properly.
6. Work groups - work groups may be permanent or ad hoc for any theme. Work groups tend to focus on a particular topic or project within themes. Work groups are also formed across multiple themes.
7. Status reports/memos (for coordination and communication) - usually provided orally at FIT Leads meeting, Framework Forums, GIS Program Lead meetings (optional), and by request from the FIT Chair.

Initiatives and Ongoing Programs

Initiatives

2018 Framework Data Inventory and Assessment (2018 FDIA)

This was the first survey-based, quantitative maturity assessment of Oregon's Framework data. It was developed to provide a baseline level of maturity concurrent with the re-establishment of Oregon Geographic Information Council. The 2018 FDIA used a survey instrument to collect information on Framework data elements by stewards, data sources, and FIT themes. The data collected by the survey contains a mixture of qualitative and quantitative data. Quantitative data are aggregated into a maturity index that can be revisited and used to examine change over time and to guide program priorities over time.

2018 Framework Financial Analysis

A high-level financial analysis of Oregon's GIS Framework was carried out from April 2018 to September 2018. The analysis was required to estimate the funding required to fill the gap between current spending levels and spending levels needed for all currently identified Framework data elements to become the desired future state. The results were used to formulate the funding recommendation developed by the Oregon Geographic Information Council for consumption by the Joint Legislative Committee on Information Management and Technology and the 2019 Oregon Legislature.

Work Flows

Monday, September 10, 2018

Adding data to OSDL

The process for getting datasets uploaded and/or updated is carried out by email notification and communication.

Data You Host

Provide updated links to the Framework Coordinator, who will review the data for compliance with data exchange and metadata standards. GEO System Administrator, Dave Mather, will also review data for compliance with the spatial reference standard and feature quality. Once reviews are completed, GEO Sys Admin will provide the final data links to OSDL.

Data Hosted by GEO

Data in this category includes copies of datasets and datasets developed and stewarded by GEO. Data can be transferred to GEO's incoming data ftp site. Once received, the data are reviewed for compliance with data exchange, metadata, and spatial reference standards, as well as feature quality. Once reviews are completed, GEO System Administrator, Dave Mather, will upload and convert the data to services, and provide the data links to OSDL.

Have a different situation? Please contact the Framework Coordinator for specific guidance.

Organizing and holding theme meetings

As a FIT lead, you are responsible for ensuring that the theme meets about 3-4 times per year and is delivering its deliverables. FIT leads facilitate their theme meetings. FIT leads help the theme to determine its work priorities and ferries issues that require Framework Implementation Team-wide attention to the FIT Chair. The FIT Chair, also known as the Framework Coordinator, is available to help you as you plan meetings by spreading the word through email lists, locating meeting space, creating a virtual meeting event for remote attendance, reviewing the agenda, and more. Minutes or meeting notes should be prepared for every theme meeting, and provided to the FIT Chair for posting on the Framework webpages.

Theme meeting minutes

You are welcome to establish a template for your meeting minutes/notes. At a minimum, readers should be able to efficiently identify the action items and decisions made at each meeting. Policy recommendations should also be identified. Keeping a parking lot of items for the theme, is also good practice.

Once the minutes/notes are reviewed and finalized, distribute the final version in a digital format to the FIT Chair (Framework Coordinator). FIT theme meeting minutes are stored on an ftp site in PDF format.