

Oregon GEOHub:

General Overview and Function

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Oregon Geospatial Enterprise Operations

Emergency Management GIS Interest Group (EMGIG) and Preparedness Framework Implementation Team (PrepFIT) Meeting

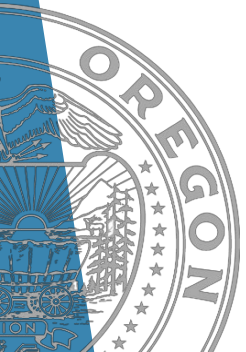
November 19, 2024



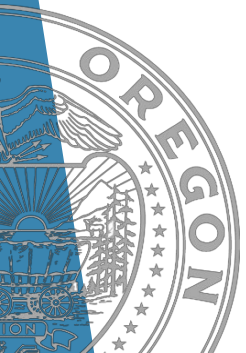
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Overview

- ▶ GEOHub Introduction
- ▶ Framework Program
- ▶ Data Submission Process
- ▶ Current and Future Considerations
- ▶ GEOHub Tour



GEOHub Overview



What is GEOHub?

geohub.oregon.gov

- ▶ One-stop hub for **geospatial data** and **resources**
- ▶ **Public-Facing** Hub Initiative
- ▶ **Secure** login for public bodies to access **restricted data**
- ▶ Location for **Statewide Projects** or **Initiatives**

The screenshot shows the Oregon GEOHub website homepage. At the top, there is a dark green navigation bar with the GEOHub logo and menu items: GEOHub Data, Framework Program, Data Projects, Public Bodies, Resources, About, and Terms. A search bar is located in the top right corner with the text "Sign In". The main header features a scenic landscape image of a coastline with mountains and a search bar containing the text "Find data using keywords like 'imagery' or 'urban growth bound...". Below the header, a green banner contains text explaining the GEOHub's origin and purpose. The main content area is titled "Browse Data by Framework Theme" and displays eight icons representing different data categories: Addresses and Buildings, Administrative Boundaries, Bioscience, Cadastral, Weather, Water, Mountains, and a location pin.

Oregon GEOHub
Oregon's Authoritative Geospatial Repository

Find data using keywords like "imagery" or "urban growth bound..."

The Oregon GEOHub was a priority initiative of the Oregon Geographic Information Council (OGIC) and its development was funded by the Oregon Legislature in 2021. GEOHub provides access to geospatial Framework data and services, metadata, and geospatial data downloads for use by the public, academia, all levels of government, and private companies to support the needs of Oregonians.

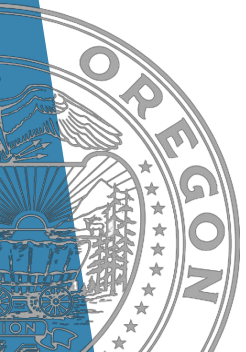
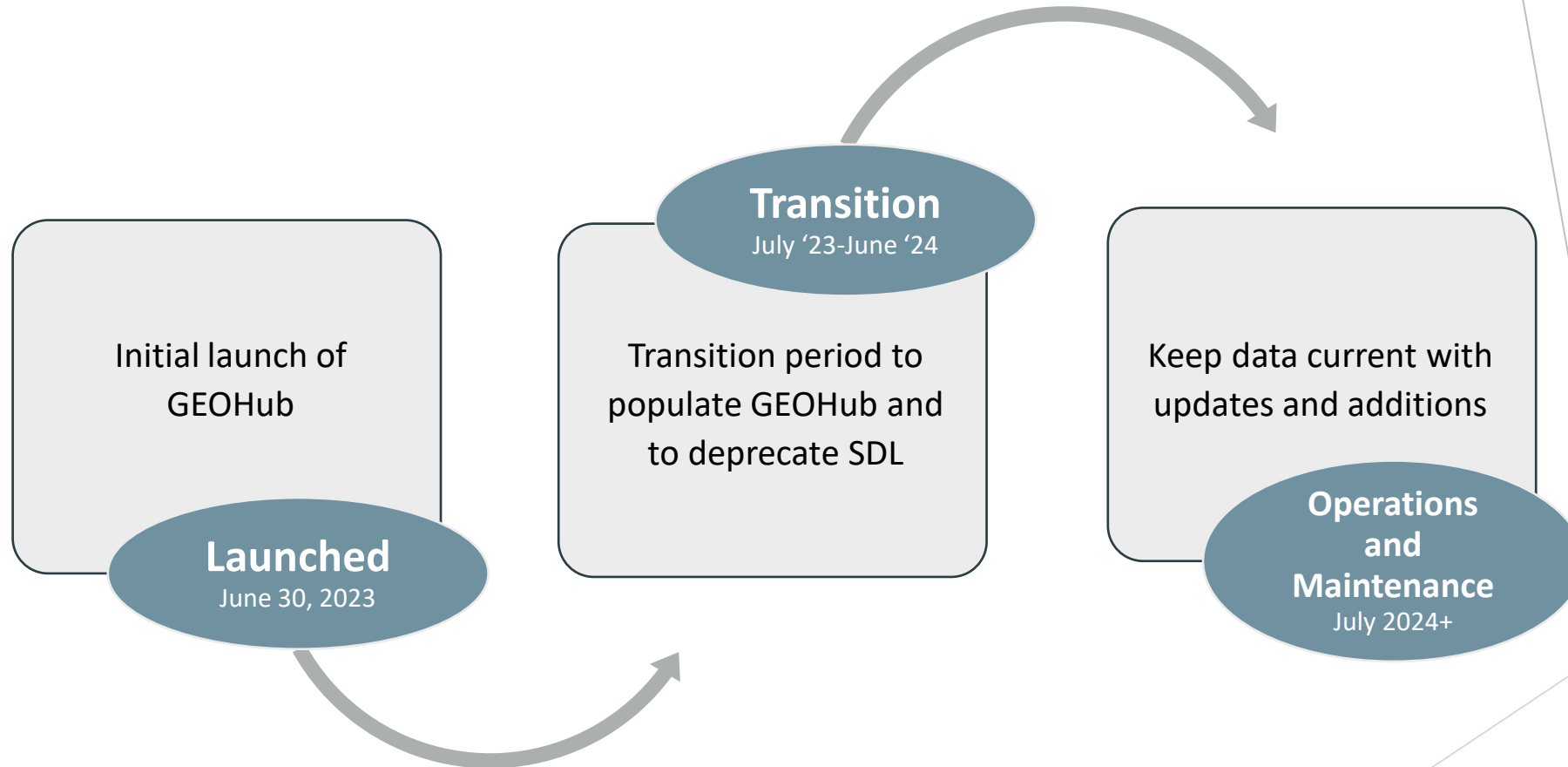
Most data within the GEOHub are open data and consumable by all. However, some data are restricted to public bodies and requires a user account for access to the secure portion of the portal. See the Public Bodies page for more information.

Browse Data by Framework Theme

- Addresses and Buildings (e.g., building footprints)
- Administrative Boundaries (e.g., counties or cities)
- Bioscience (e.g., fish habitat distribution or wetlands)
- Cadastral (e.g., land ownerships or PLSS)
- Weather
- Water
- Mountains
- Location Pin



What's Been Going On?



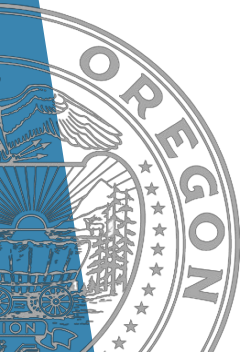
Framework Program



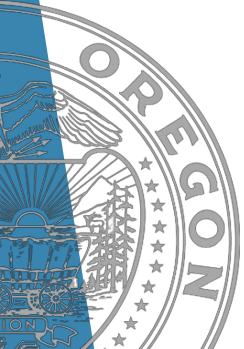
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Oregon Framework Program

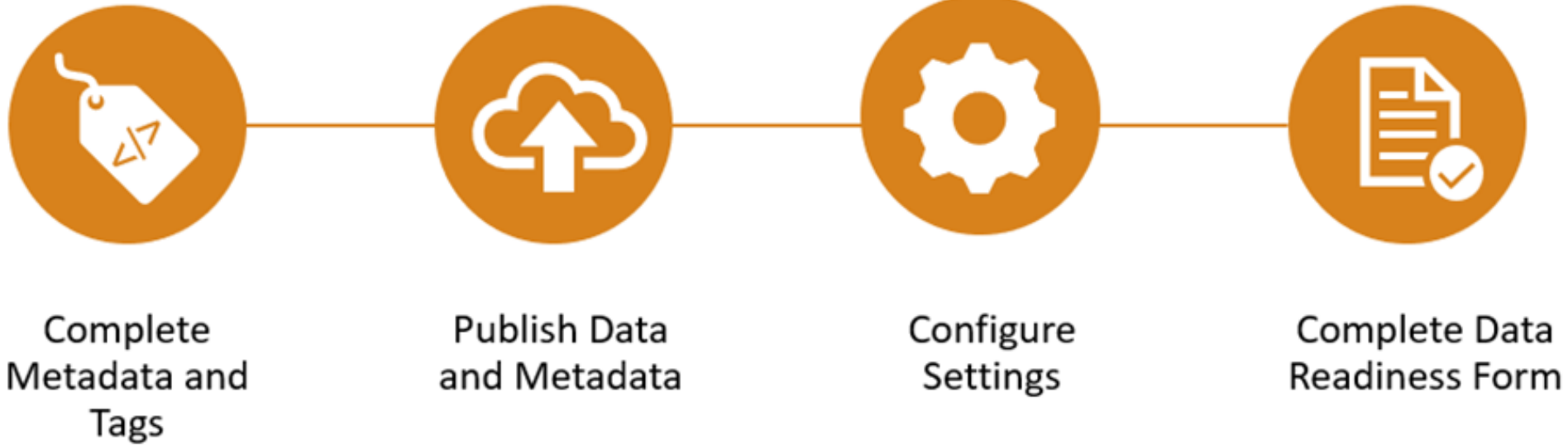
- Consists of 16 different **data themes**
- Works to create and maintain **authoritative geospatial data**
- Helps **reduce data duplication** and provides **single source** for authoritative data
- Relies on **volunteers** to create, steward and compile data
- Maintains a **data inventory** with 168 data elements currently published



Data Submission



Submitting Framework Data



Data submission formats:

- Feature Service – *preferred*
- Zipped File Geodatabase - *accepted*



Submitting Framework Data



1. Complete Metadata and Tags:

- Create/update at the data source
- Oregon Metadata Standard

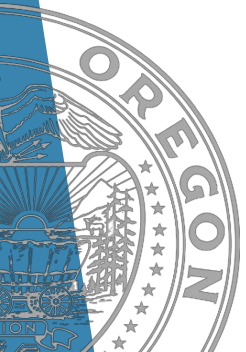
2. Publish Data and Metadata:

- Consider end-user
- Register feature services individually

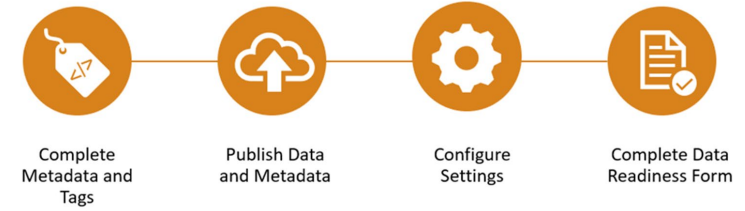
The screenshot shows the 'Metadata Editor' interface. The main area displays 'Essential metadata' with fields for 'Item Description', 'Title*', and 'Summary (Purpose)*'. A context menu is open over the 'Summary' field, showing options like 'Add Data', 'New Group Layer', 'Copy', 'Paste', 'Remove', 'Group', 'Ungroup', 'Zoom To Layer', 'Zoom To Make Visible', 'Symbology', 'Sharing', 'View Metadata', 'Edit Metadata', and 'Properties'. A 'Required elements' panel on the right shows a progress bar and a list of required elements with checkmarks.

Required elements	Status	
Title	Item Description	View XML
Summary (Purpose)	Item Description	View HTML
Description (Abstract)	Item Description	Download
Topic Category(s)	Item Description	Overwrite
Use Limitation	Legal Constraints	Reset
Bounding Box	Geographic Extent	

Metadata	Geography	Table
Cities and Towns		
Type	File Geodatabase Feature Class	
Tags	Society, Cities, Towns, Populated places, County seat, State capital	
Summary		
These data are intended for geographic display and analysis at the national level, and for large regional areas. The data should be displayed and analyzed at scales appropriate for 1:2,000,000-scale National Atlas of the United States in the use of these data.		
Description		
This map layer includes cities and towns in Oregon. These cities were clipped from the 1970 National Atlas of the United States. Where applicable, U.S. Census data were associated with each name to allow additional information to be attached to the data.		



Submitting Framework Data



3. Configure **Settings**:

- Sharing level
- Authoritative
- Export Data/Edit Tracking

4. Complete the **Data Readiness** Form:

- Notifies DAS GEO for GEOHub

Share

Set sharing level

Owner
Owner of the item(s) has access

Organization
All members of your organization have access

Everyone (public)
People outside your organization have access

Set group sharing Remove

A F Edit group sharing

General

Content Status

Authoritative This item is marked as authoritative.


Delete Protection

Prevent this item from being accidentally deleted.

Contributing Data

If you have authoritative data for Oregon and are interested in contributing data to the Oregon GEOHub, we would love to hear from you! GEOHub contains the most commonly used statewide geospatial datasets that are considered the "best available" and needed for government purposes. The majority of data shared through GEOHub is provided by Public Bodies* in the state. These data providers coordinate with the Geospatial Enterprise Office (GEO) and submit data for QA/QC and publishing/service registration.

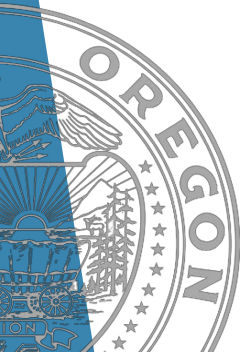
If you would like to contribute geospatial data to GEOHub, please read the [Terms of Use](#) and complete the Data Readiness Form below.



Data Readiness Form



Current and Future Considerations



Room for Knowledge and Growth

➤ *Help and How-To Documentation*

- Publishing
- Metadata
- General Education

➤ *Data Accuracy Confidence*

- Best Available
- Current
- Authoritative

➤ *Accessibility*

- Tagging
- Categories
- Federation



GEOHub Tour

Contact: gis.info@das.oregon.gov

