Chief Data Officer Update

Kathryn Darnall Helms, State Chief Data Officer

Joint Committee on
Information Management and Technology
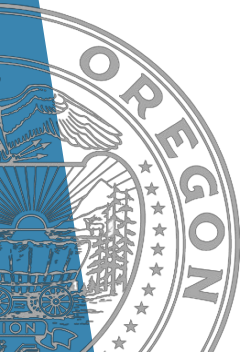
March 22, 2023

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Agenda

▶ Enterprise Information Services Strategic Framework V2.0

▶ Chief Data Officer Duties

▶ EIS Data Governance and Transparency

▶ Oregon's Open Data Program Status Report

▶ Oregon's Data Strategy Status Report

▶ Oregon Data Strategy Update for 2023-2025

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Enterprise Information Services Strategic Framework Version 2.0

▶ Objective: Mature Oregon's Data Governance

- o Goal 1: Enterprise Data Leadership
- o Goal 2: Enterprise Data Policy and Research
- o Goal 3: Program and Performance Management
- o Goal 4: Data Delivery
- o Goal 5: Open Data and Transparency

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Chief Data Officer Duties (ORS 276A.353)

▶ Maintain central web portal for publishable data

▶ Establish the open data standard

▶ Publish technical standards manual

▶ Create an enterprise data inventory – public record

▶ Establish an enterprise data and information strategy

▶ Establish statewide data governance and policy

▶ Oversee data related education to state agencies

▶ Form an advisory group

▶ Submit a biennial report to a legislative committee

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Utilize data as a strategic asset to improve service delivery, facilitate cross-agency collaboration, identify cost savings and enhance transparency.

1. **Open Data:** Enabling the state to unlock the value of public data through standards that enable the public to search, extract, organize and analyze high-value datasets.
2. **Data Strategy:** Coordinating an enterprise approach to data management that promotes the availability of consistent, secure, accurate, timely, and accessible information.
3. **Geospatial Framework Data:** Collaborating with local governments to collect, disseminate, and steward trusted data elements.
4. **Data Analytics:** Collaborating to identify common and shared data analytic solutions.

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EIS Data Governance & Transparency

Data Governance & Transparency is tasked with the establishment of Open Data standards, providing technical guidance on the proactive release of publishable data, development of an enterprise data and information strategy, maintaining the data.Oregon.gov web portal for the release of publishable data, and managing the Oregon Transparency and Geospatial programs.

Kathryn Darnall Helms
Chief Data Officer

Transparency & Open Data

Data Delivery

Program & Performance Management

Enterprise Data Policy & Research

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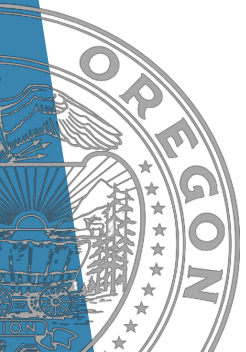
EIS Data Governance & Transparency

▶ **Significant Accomplishments for 2021-23**

- o Released the first Oregon Data Strategy
- o Launched Oregon's Open Data Program
- o Published the first Statewide Data Inventory
- o Established Oregon's first Data Governance Policy

▶ **Significant Initiatives for 2023-25**

- o Advance data sharing by providing tools and templates to agencies
- o Mature open data and transparency statewide
- o Deliver high quality data products for use and analysis

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Oregon's Open Data Program Status Update

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"Open data and content can be freely used, modified, and shared by anyone for any purpose"
-Open Definition

Availability and Access

Data is available for download online with no associated cost for access. Data is appropriately contextualized through metadata and other tools to support accessibility.

Universal Participation

No restrictions are placed on the use cases or types of individuals or organizations that can access and participate in the use of open data.

Machine-Readability

Data is available in a structured, machine-readable format to enable re-use and redistribution.

Re-Use and Redistribution

Data can be downloaded, re-used, mixed with other data sources, or redistributed under open licenses.

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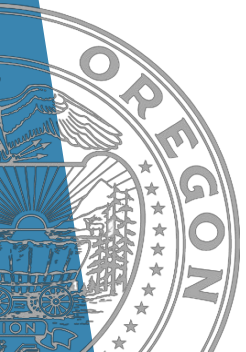
Open Data Mandate

▶ Addressed in components of ORS 276A.353, ORS 276A.356, and ORS 276A.369

▶ Sets requirements for open data, data inventory, and publication

   o Agencies must inventory data and submit to enterprise data inventory

   o Requirements around data timeliness and freshness

   o Electronic searchability

   o Technical policies and standards that promote maximizing the availability of data in multiple formats, with multiple pathways to access information

▶ Resources available to support agency data inventories, data prioritization, and open data publication

▶ All Open Data Program tools, templates, guides, etc. available publicly on the Open Data Program Website

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Open Data – Agency Expectations

| Appoint	Appoint Data Coordinator to champion the agency's open data efforts
Identify	Inventory datasets within the agency
Prioritize	Determine value of publishing datasets and prioritize efforts
Plan	Author biennial Open Data Plan
Publish	Publish open data according to commitments

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Open Data Program Status

Data from Oregon's Open Data Progress Report

Data Coordinators Appointed

- 4% Pending
- 96% Completed
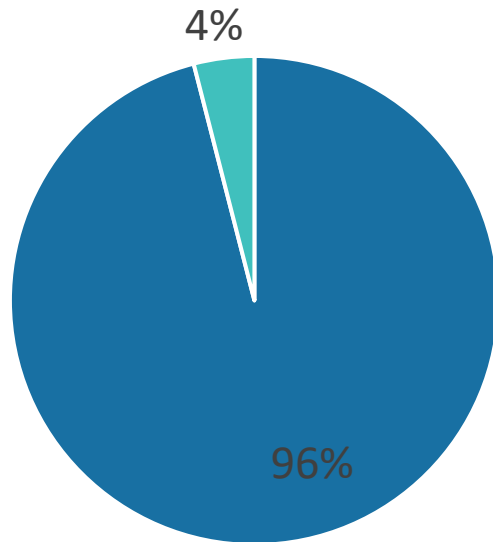
Legend: ■ Completed ■ Pending

Open Data Inventory

- 49% Completed
- 25% Pending
- 5% Exception Granted
- 10% Partial
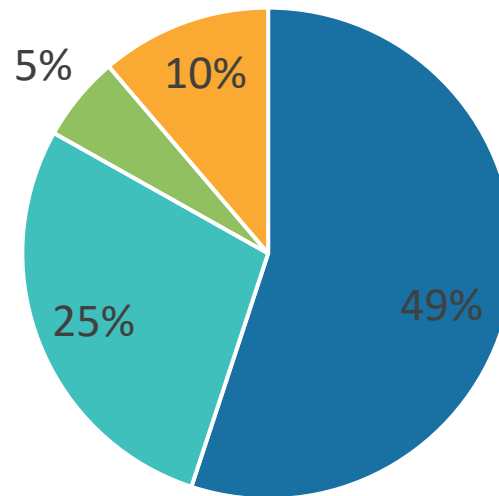
Legend: ■ Completed ■ Pending ■ Exception Granted ■ Partial

Open Data Plans Submitted

- 1% Received
- 36% Pending
- 63% Completed

Legend: ■ Completed ■ Pending ■ Received

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Open Data Program Future Developments

▶ Develop data quality metrics and data quality monitoring

▶ Improve inventory and open data plan submission process

▶ Further monitoring and analysis after first biennium of implementation to identify gaps in resources for agency

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Oregon's Data Strategy Status Update

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Oregon's Data Strategy

Oregon's Data Strategy
Unlocking Oregon's Potential
2021-2023

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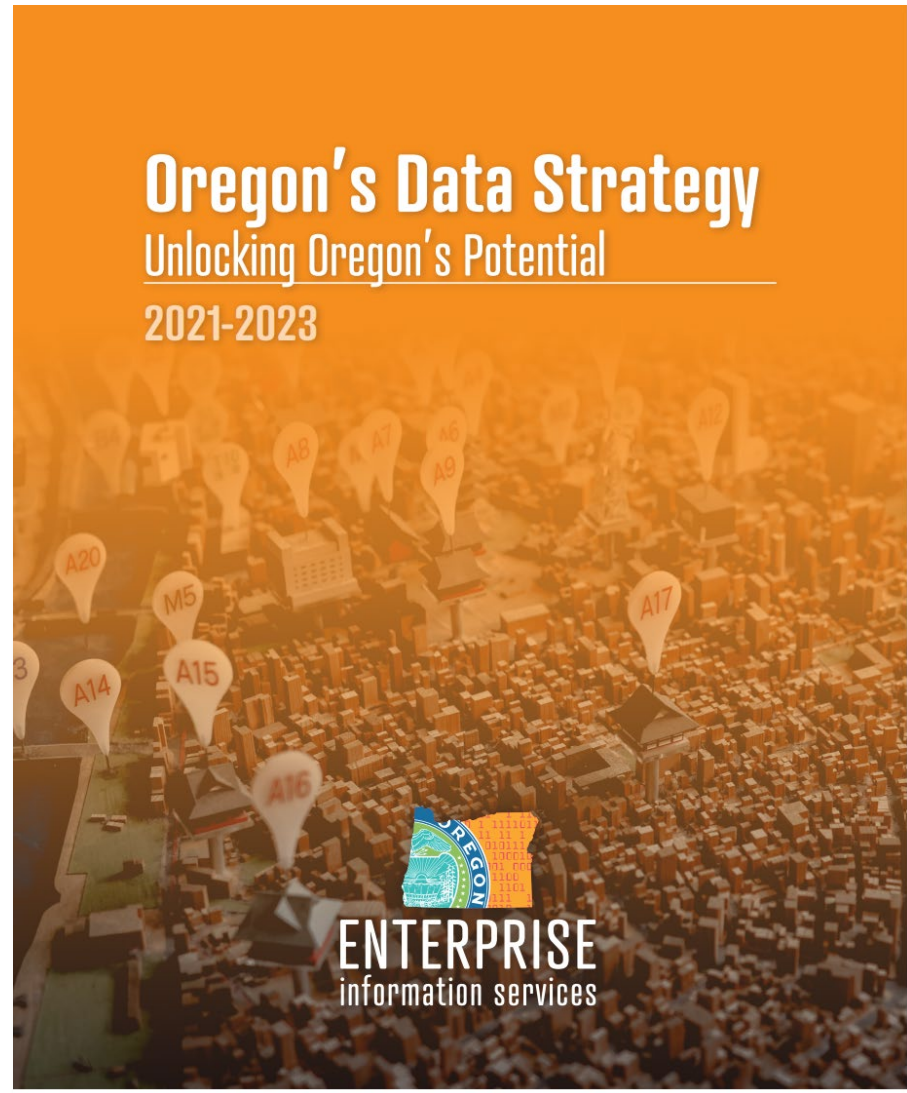
- ▶ Establish guiding themes and principles

- ▶ Increase maturity through foundational data actions

- ▶ Create value by focusing on use cases and strategic priorities

- ▶ Develop frameworks and mechanism to center equity and justice

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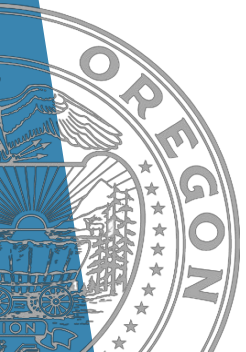
Oregon's Data Strategy Principles

GOVERN: Manage data as a strategic asset for the public good

LEVERAGE: Use the State's data to improve the lives of Oregonians through effective and efficient government

PROTECT: Preserve the privacy, quality, and integrity of the data we hold in trust

SHARE: Promote responsible data sharing across agencies and with external partners, including the public

PLAN: Be intentional in our collection and use of data and design with equity and the future in mind

ENGAGE: Embrace data justice in how we collect, use, and share data for the communities we serve

SHOW: Model transparency in our work to educate others about our data assets and how they are used and seek to build feedback loops between the State and our constituents
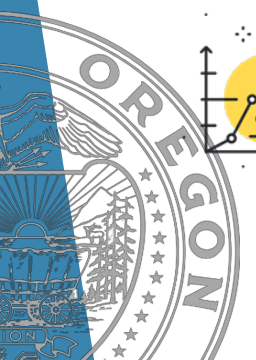
LEARN: Promote a Statewide culture of learning and collaboration in the use and analysis of data
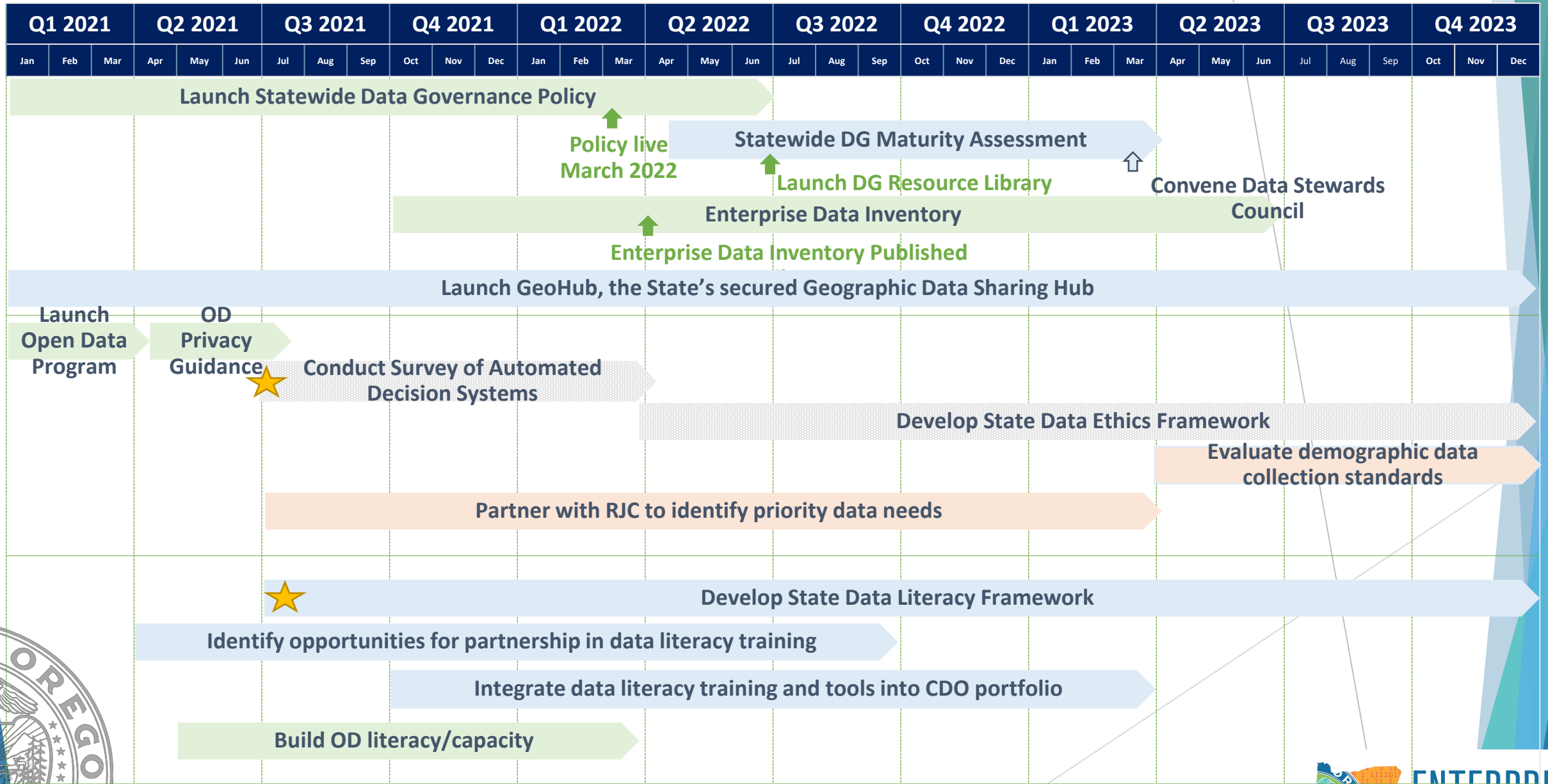
AUTONOMIZE: Educate data leaders within our organization and empower all individuals to use data appropriately, ethically, and effectively

LEAD: Establish structures for accountability and responsibility for the management of our data for all people we serve
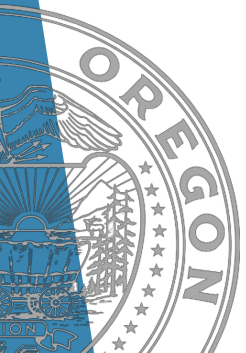
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2021-2023 Data Strategy Road Map and Status

Q1 2021			Q2 2021			Q3 2021			Q4 2021			Q1 2022			Q2 2022			Q3 2022			Q4 2022			Q1 2023			Q2 2023			Q3 2023			Q4 2023		
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

Launch Statewide Data Governance Policy

Policy live March 2022

Statewide DG Maturity Assessment

Launch DG Resource Library

Convene Data Stewards Council

Enterprise Data Inventory

Enterprise Data Inventory Published

Launch GeoHub, the State's secured Geographic Data Sharing Hub

Launch Open Data Program

OD Privacy Guidance

Conduct Survey of Automated Decision Systems

Develop State Data Ethics Framework

Evaluate demographic data collection standards

Partner with RJC to identify priority data needs

Develop State Data Literacy Framework

Identify opportunities for partnership in data literacy training

Integrate data literacy training and tools into CDO portfolio

Build OD literacy/capacity

Legend:
- Action Completed
- Action Underway
- Action Cancelled
- Action Paused
- ★ Informs future work in 2023-2025

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2023-2025 Data Strategy Planning

▶ Chief Data Officer Advisory Council kicked off Biennial Action Plan update in September 2022

▶ Updated Biennial Action Plan for 2023-2025 will be released July 2023

▶ Critical priority is expanding executive engagement and involvement in Data Strategy efforts

▶ Identified priorities include use-case driven governance, improving data sharing processes and procedures, and data literacy

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Thank you

Shirlene A Gonzalez
Legislative & Communications Director
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Oregon Geographic Information Council (OGIC) Update

Rachel L Smith, Geographic Information Officer

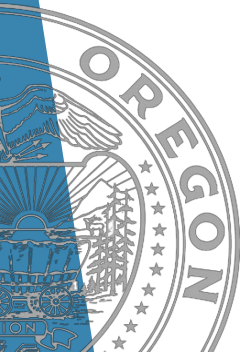## Joint Committee on Information Management and Technology

March 22, 2023

Agenda

▶ Introduction to OGIC and Oregon's Framework Program

▶ Implementation of HB2906 Status Report

▶ Geospatial Data Management and Sharing (GDMS) Project Update

▶ OGIC Priorities

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Introduction to Oregon Geographic Information Council and Oregon's Framework Program

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Oregon Geographic Information Council (OGIC)

▶ OGIC is the lead entity responsible for overseeing the strategic development and governance of geospatial Framework data including the development, implementation, and review of geospatial policies, practices, and standards

▶ 22 Members Total

- Geographic Information Officer

- 2 members of the Legislative Assembly

- 20 members appointed by the Governor to represent key stakeholder groups involved with geospatial data sharing in Oregon
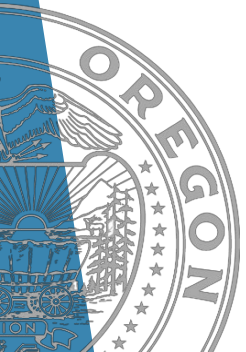
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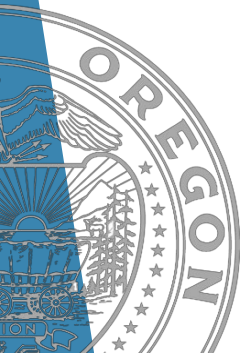
Oregon Geographic Information Council

Vision: Authoritative, reliable geospatial data are available and accessible when and where needed to support the equitable provision of services across the state of Oregon.
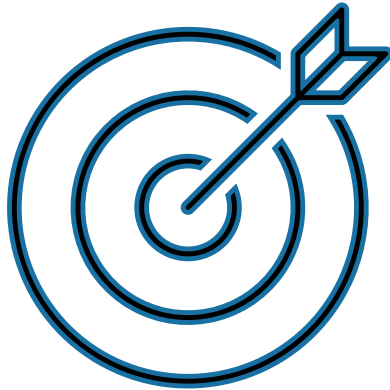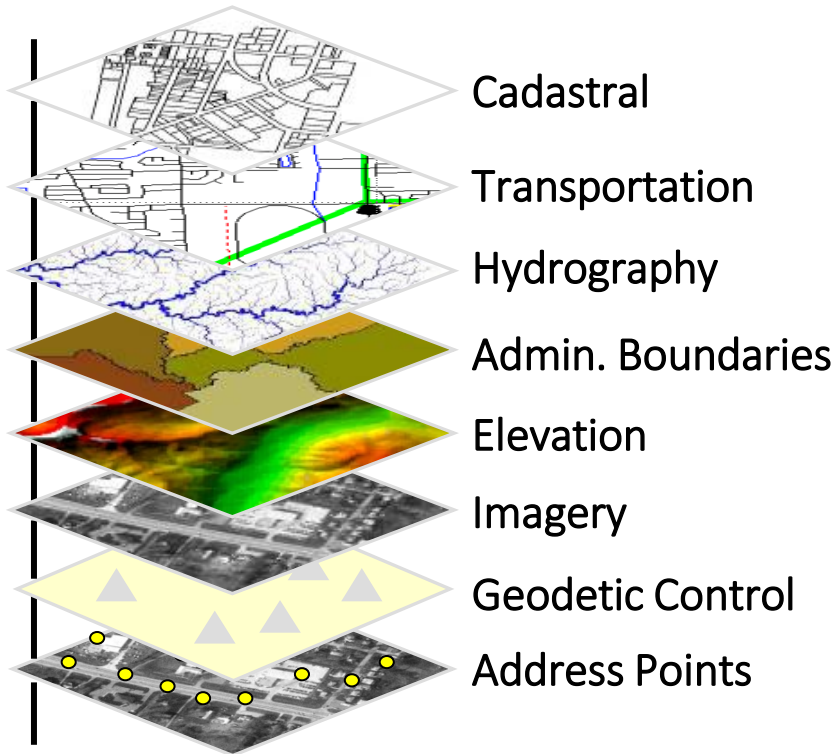
…delivered via Oregon's Framework Program

Oregon's Framework Program

Purpose: to design, develop, acquire, maintain, and enhance geospatial resources and data for all Oregonians.

Nationally recognized

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

Oregon-specific

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

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Implementation of HB 2906 Status Report

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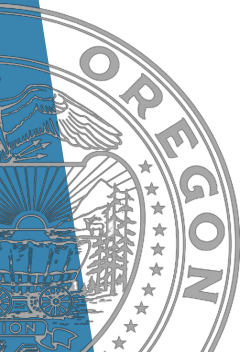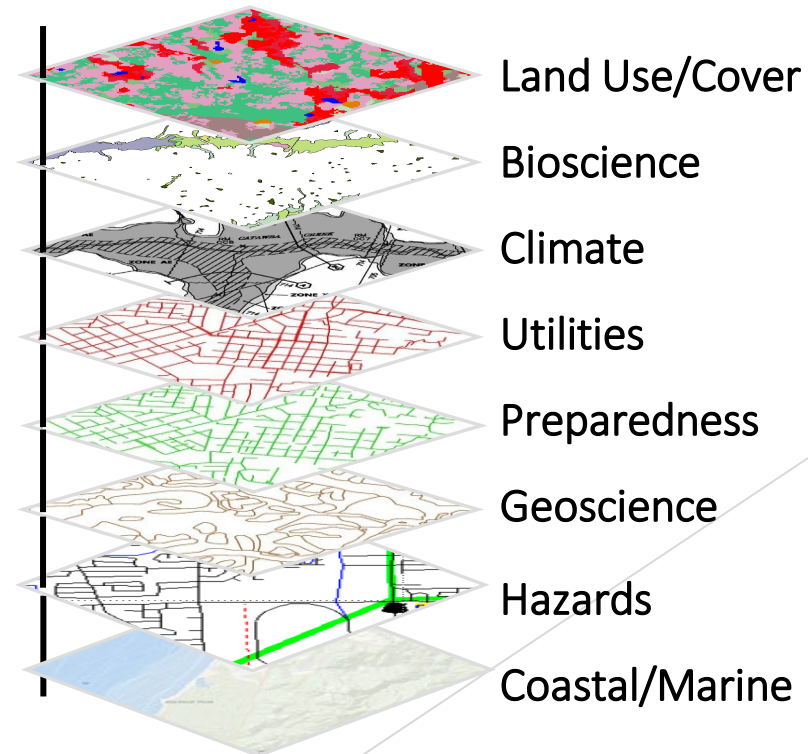
Overview of HB 2906 (ORS 276A.500-515)

▶ Create a secure geospatial data library

▶ Public bodies must share data designated by OGIC

▶ OGIC Fund established to support OGIC activities
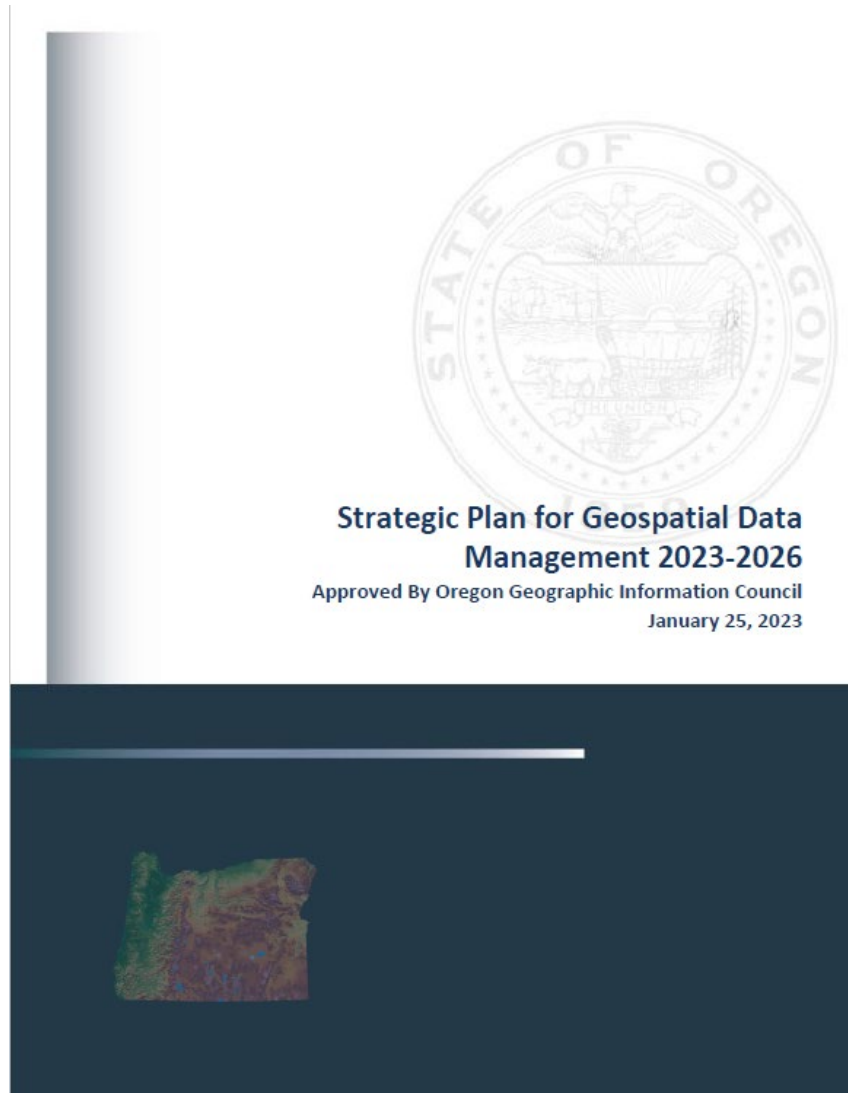
▶ State Geographic Information Officer position established

▶ Create a 4-year Strategic Plan to manage geospatial Framework data and oversee the implementation of the plan

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2023-26 Strategic Plan for Geospatial Data Mgmt

Strategic Plan for Geospatial Data
Management 2023-2026
Approved By Oregon Geographic Information Council
January 25, 2023

▶ Focused on geospatial Framework data

▶ Guide the growth & support of Oregon's Framework Program

▶ Goal 1: Improve Data Sharing & Accessibility

▶ Goal 2: Expand Data Governance

Geospatial Data Management and Sharing (GDMS) Project Update

GDMS Project Update - Scope
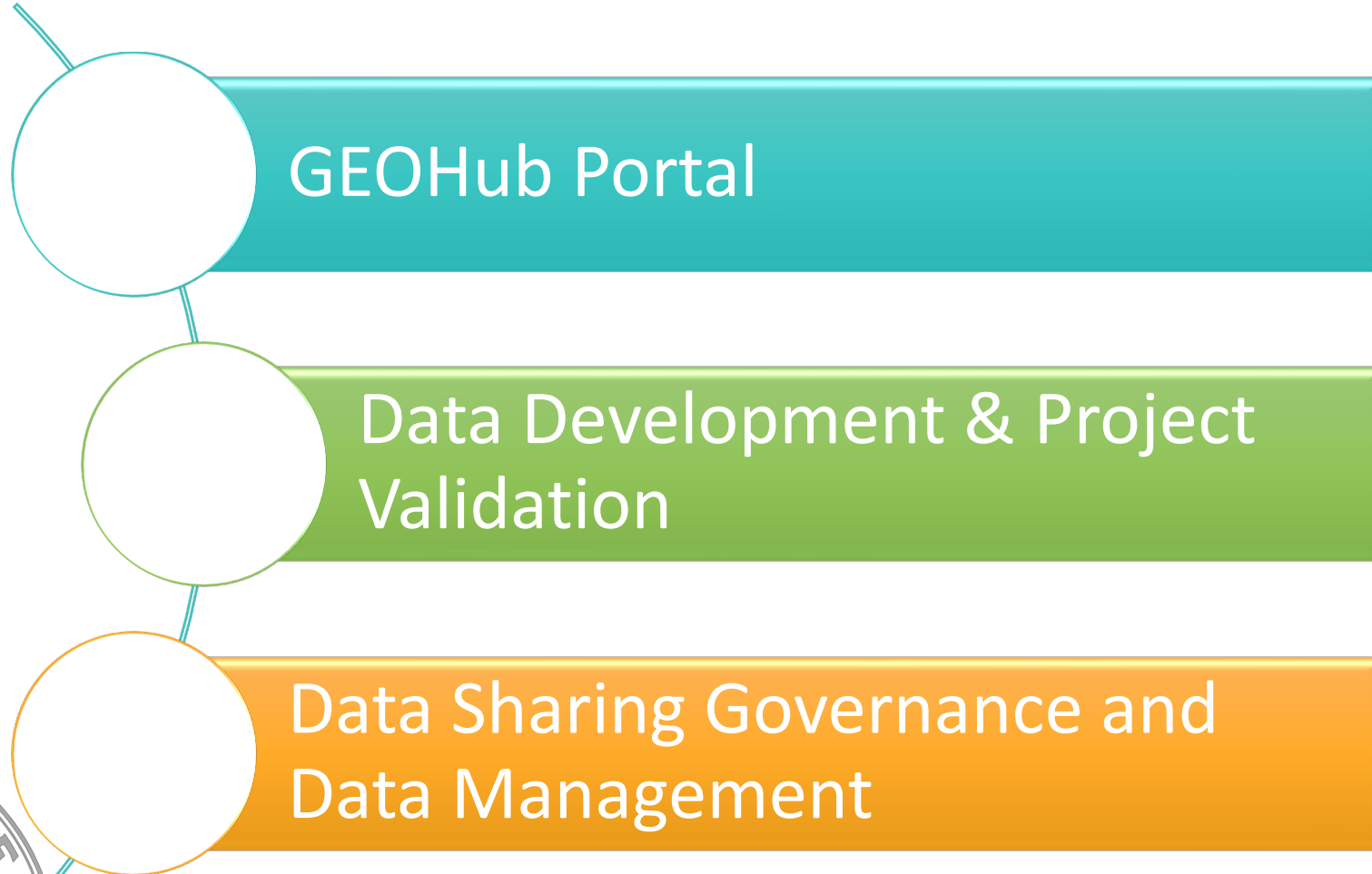
GEOHub Portal — 1. Create Container for Secure Sharing

Data Development & Project Validation — 2. Create Data to go in Container

Data Sharing Governance and Data Management — 3. Manage Data in Container

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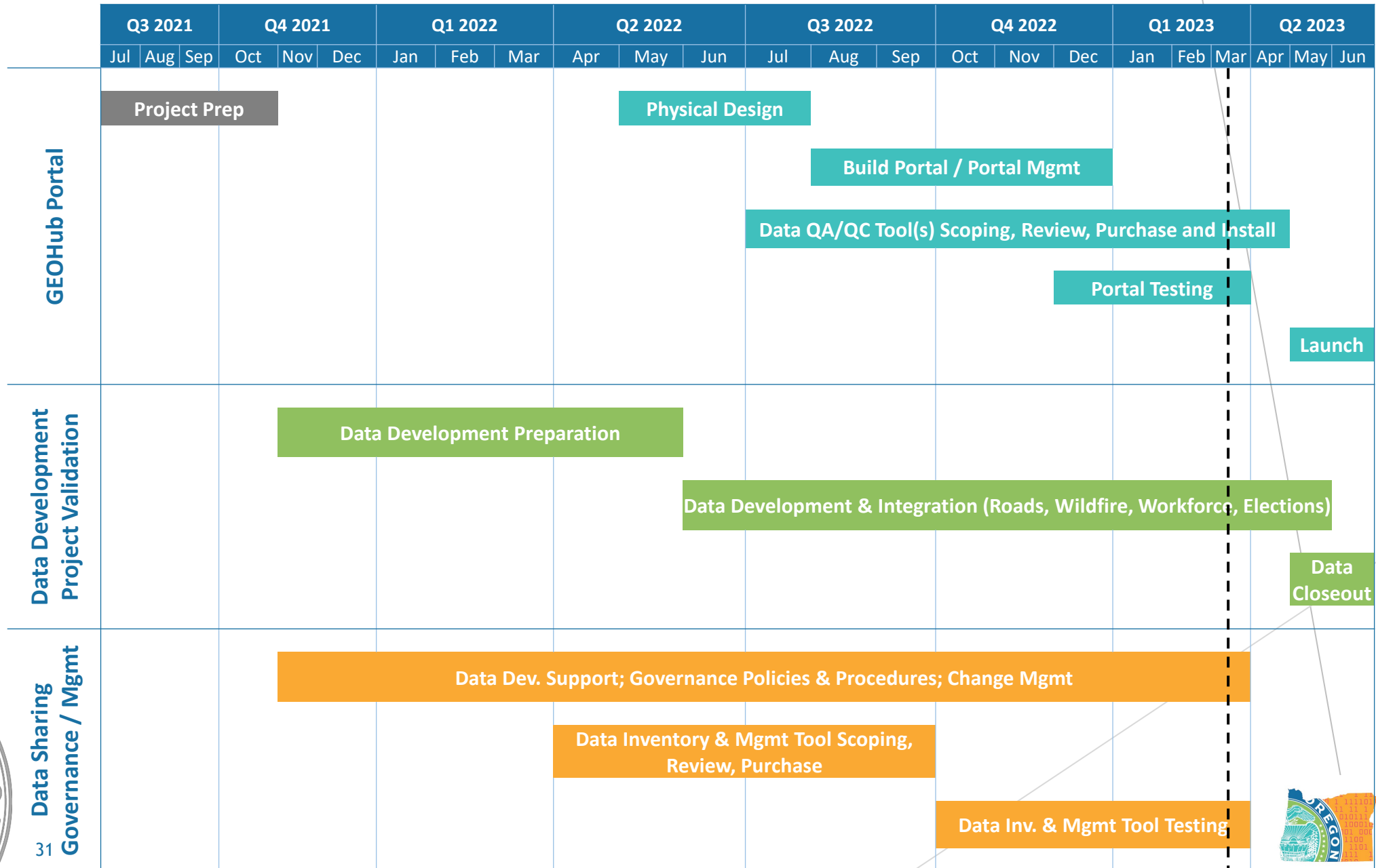# GDMS Project Status – Scope and Schedule

	Q3 2021			Q4 2021			Q1 2022			Q2 2022			Q3 2022			Q4 2022			Q1 2023			Q2 2023		
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun

GEOHub Portal
- Project Prep
- Physical Design
- Build Portal / Portal Mgmt
- Data QA/QC Tool(s) Scoping, Review, Purchase and Install
- Portal Testing
- Launch

Data Development Project Validation
- Data Development Preparation
- Data Development & Integration (Roads, Wildfire, Workforce, Elections)
- Data Closeout

Data Sharing Governance / Mgmt
- Data Dev. Support; Governance Policies & Procedures; Change Mgmt
- Data Inventory & Mgmt Tool Scoping, Review, Purchase
- Data Inv. & Mgmt Tool Testing

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GDMS Project – Key Accomplishments

▶ GEOHub: new one-stop resource for authoritative geospatial Framework data for the GIS community in Oregon

▶ 1Spatial: new quality assurance/quality control tool that will support the aggregation of critical GIS data created by local governments

▶ 2022 Statewide Imagery Collection purchased
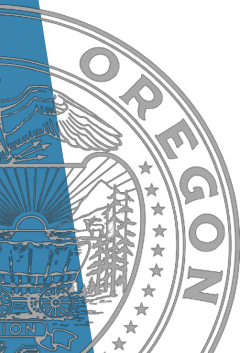
▶ Updated data to support wildfire mitigation & response
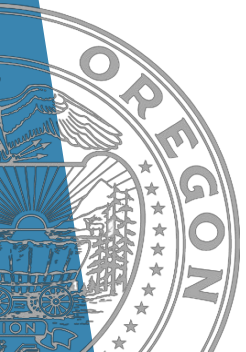
OGIC Priorities

OGIC 2023-24 Work Plan

▶ Priority initiatives aligned with strategic plan goals and objectives:

- ○ Strengthen communications
- ○ Support sustainable funding
- ○ Improve data sharing
- ○ Legislative coordination

▶ Creating new committees to advance priorities

Outreach and Communications

Legislative Coordination

Data Sharing & Governance

Thank you

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