

# Statewide Parcels for Oregon

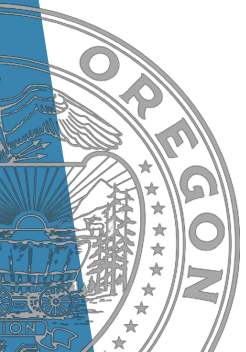
## Fall Framework Forum

October 24, 2023

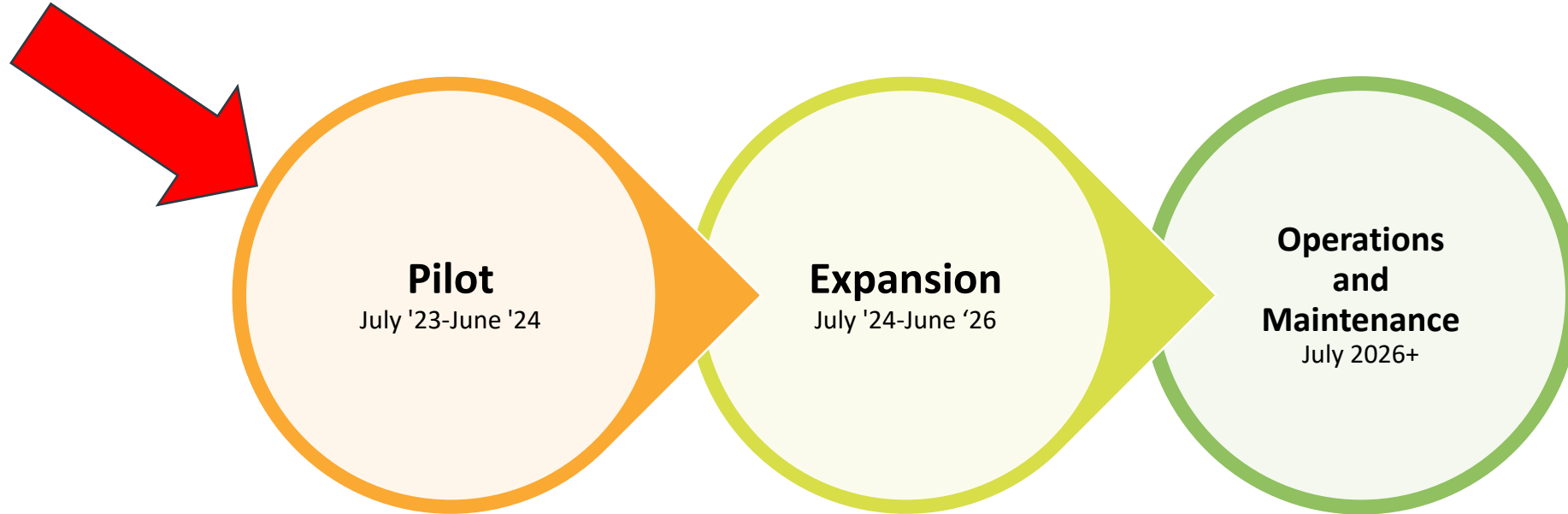


**ENTERPRISE**  
information services

# Pilot Goals and Objectives



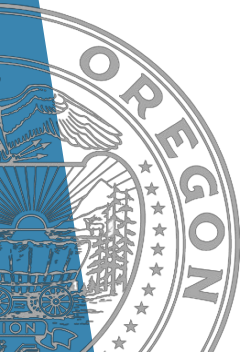
# This is an Initiative with three phases.



- Pilot period to support the creation of a long-term parcels program; five counties participating.

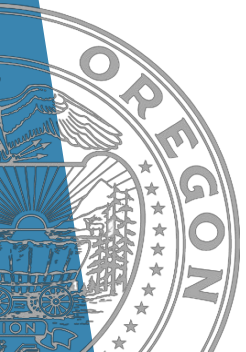
- Onboard additional counties to parcel data aggregation.

- All counties are contributing data to GEO for aggregation and distribution.



# Pilot Projects are....

- ▶ A **STRATEGY** to develop a successful future project or program.
- ▶ A **TRIAL** to determine and test the processes, tools, and workflows needed for a larger implementation/version of the project.
- ▶ A **LEARNING** experience to enhance the knowledge, skills, and abilities of the project team.



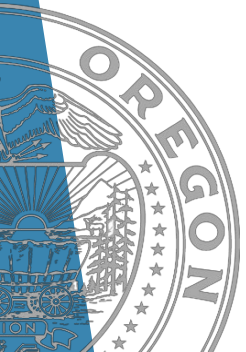
# Project Goals and Objectives

1. **Data Aggregation** of Local Gov't Geospatial Data
2. Publish a **Statewide Feature Service**
3. Create a parcel data **web viewer**
4. **Governance** for data QA/QC, error correction, aggregation and distribution of data
5. Improve the **relationship and collaboration** between GEO and local governments
6. Build the **internal capacity** to create data validation rules and QA/QC data; transform data; distribute data



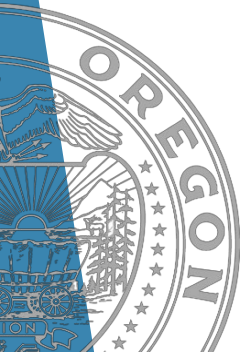
# How is this different from current processes?

- ▶ Parcel linework and attributes published for consumption by all.
- ▶ Data aggregated into a statewide dataset for public distribution and use.
- ▶ Data updated regularly; instead of once a year for state agencies.

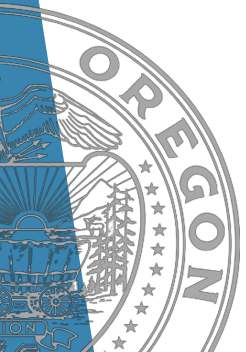


# Project Benefits

- ▶ Removes existing data sharing agreements which hinder the State's ability to use the data as needed.
- ▶ Provides regularly updated data for all government services.
- ▶ Reduces data requests Counties must fulfill or address.
- ▶ Provides high-availability of data during times of high demand (ex. wildfires).
- ▶ Data validation/QAQC could help find errors and improve the quality of County data.
- ▶ County remains the authoritative source for parcel data.
- ▶ Modernizes and creates efficiencies for data delivery to the State.
- ▶ Develops a repeatable process, workflows, and governance that could be applied to other data created by local gov't.



# Pilot Project Components and Team



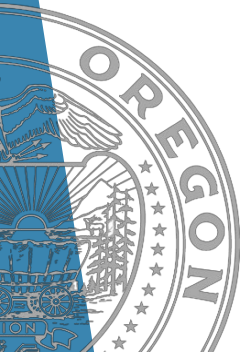


# Project Components

## Governance

- ▶ Determine data intake processes
- ▶ Determine data QA/QC and correction editing processes
- ▶ Determine data schema for publication
  - Address data and attribute sharing concerns and restrictions
  - Determine if multiple versions are needed
- ▶ Determine all products to be made available to public and/or public bodies
- ▶ Document all processes, procedures, decisions, contacts, etc...

Draft documents due **December 31, 2023**



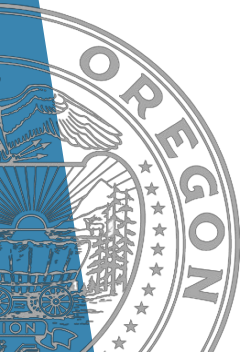
# Project Components

## Data Intake / QAQC / Transformation

- ▶ Determine data QAQC and schema checks
- ▶ Create validation rules in 1Spatial
- ▶ Determine plan for unique id's for statewide dataset
  - ▶ Handling of multi-part polygons, water, ROW, multi-unit properties, etc.
- ▶ Determine data update processes to support regular/frequent updates
- ▶ Write ETL scripts, as needed, to support data aggregation or transformation to publishable version
- ▶ Create test scripts for testing phase
- ▶ Perform data testing for each county
- ▶ Aggregate data and publish

Data Intake, QAQC, Transformations and Testing due  
**March 31, 2024**

Aggregated Data Published by  
**June 30, 2024**



# Project Components

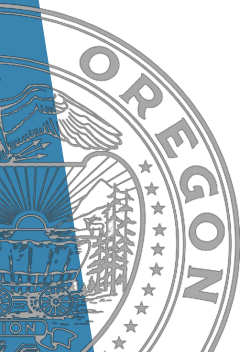
## Communications

- ▶ Communication Plan / Strategy
- ▶ Project Page on GEOHub
- ▶ Project Fact Sheet
- ▶ Presentations to Stakeholders
- ▶ Web Viewer / App for Published Data

## User Training / Onboarding

- ▶ Create User Training Materials
- ▶ Determine and Document a County Onboarding Procedure
- ▶ Training Webinar(s) / Recordings

**Due March 31, 2024**



# Project Team

## ▶ Geospatial Enterprise Operations (GEO)

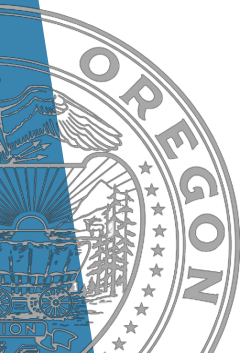
- Rachel Smith, GIO
- Tom Elder, Senior GIS Analyst
- Halley Schibel, Data Engineer
- Willow Crum, GIS Analyst
- Dave Mather, System Administrator
- Melissa Foltz, Geospatial Data Governance Coordinator
- Erik Brewster, Data and Operations Coordinator
- Project Manager - to be hired

## ▶ Dept. of Revenue

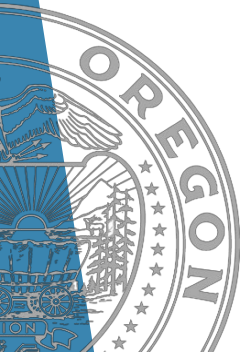
- Rebecca Hall, Cadastral Unit Manager
- Phil McClellan, ORMAP Project Coordinator
- Thom York, GIS/Database Administrator

## ▶ Pilot Counties

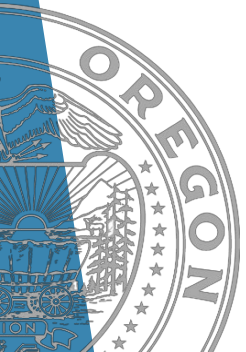
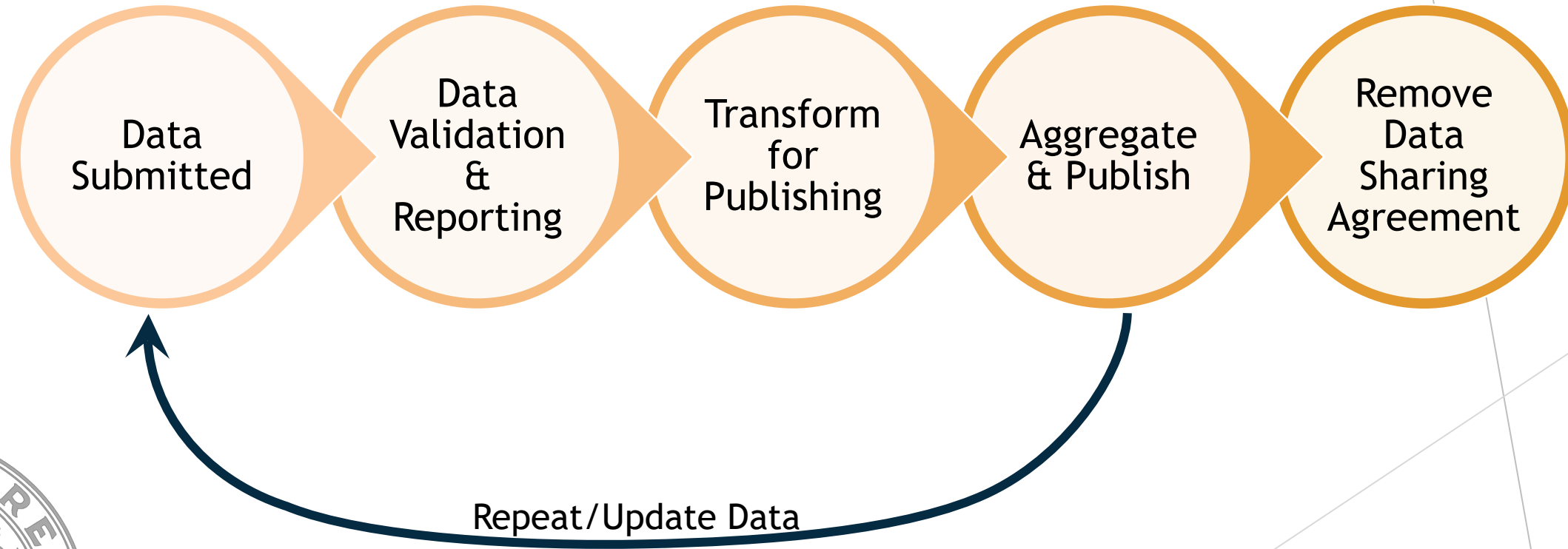
- Yamhill - data as a Service
- Marion - data as a Service
- Baker - DOR maintenance county
- Harney - regional data provider
- Washington - fgdb / Metro county / RLIS



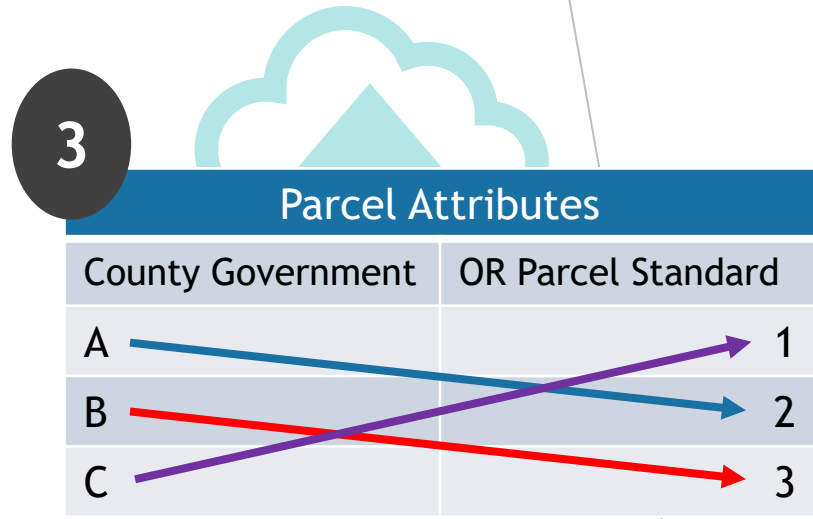
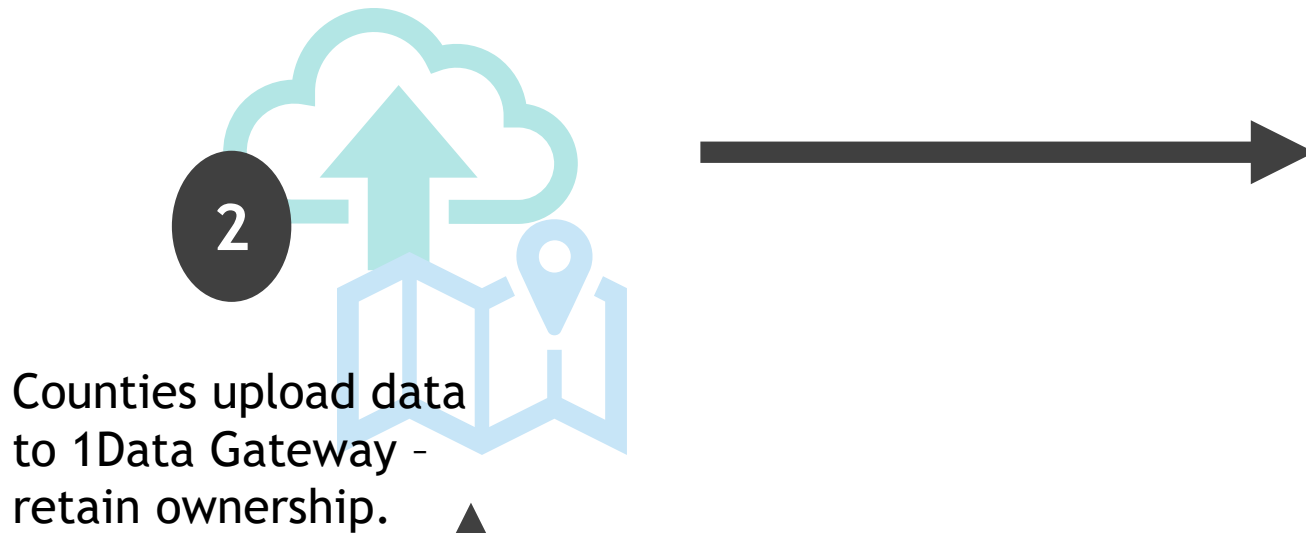
# Introduction to 1Spatial



# High-Level Process Overview



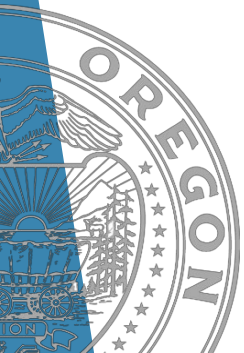
# Parcel Processing Overview



Counties match their attributes to those in state standard - geometry unaltered.



Transformed parcels available from Oregon GEOHub.



# Potential Data Validations

## ➤ Parcel GIS Validations


- Essential geometry checks
- Gaps and overlaps
- Attribute – domain checks

## ➤ Cross-Feature Checks

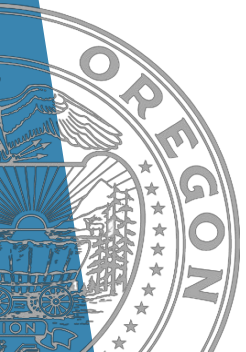
- Address point to Parcel
- Building footprints

## ➤ Cross-System/Database

- CAMA (Computer-Assisted Mass Appraisal) to GIS



AC	AO	AS
PARCEL_0	PARCEL_0	PARCEL_0
418470	CASE F 01	BEACH
2400	LUBY, DOP	BEACH
3085	LUBY, DOP	BEACH
2400	BROOKSHE	BEACH
2400	HOLMES, I	BEACH
32670	CASE F 01	BEACH
22820	WISSER, S	BEACH
1224	WISNERT, BEACH	
10217	BEACH CUB	BEACH
2500	BEACH CUB	BEACH
2744	WISSA LEC	BEACH
2500	LOVE-GHP	BEACH
2500	SULLIVAN	BEACH
200	RAB BEACH	BEACH
2500	RAB BEACH	BEACH
2500	BOTTEN, J	BEACH
2500	BARRETT, BEACH	
2500	GARVET, T	BEACH
1981	WILLIAMS	BEACH





# Questions?

Contact: [rachel.l.smith@das.oregon.gov](mailto:rachel.l.smith@das.oregon.gov)

