

An aerial photograph of the state of Oregon, showing its diverse terrain from the coastal mountains on the west to the high desert and mountains on the east. The text is overlaid on the central part of the map.

Framework Stewardship

Framework Forum

June 27, 2007

Salem, Oregon



Framework Stewardship

Today's Topics

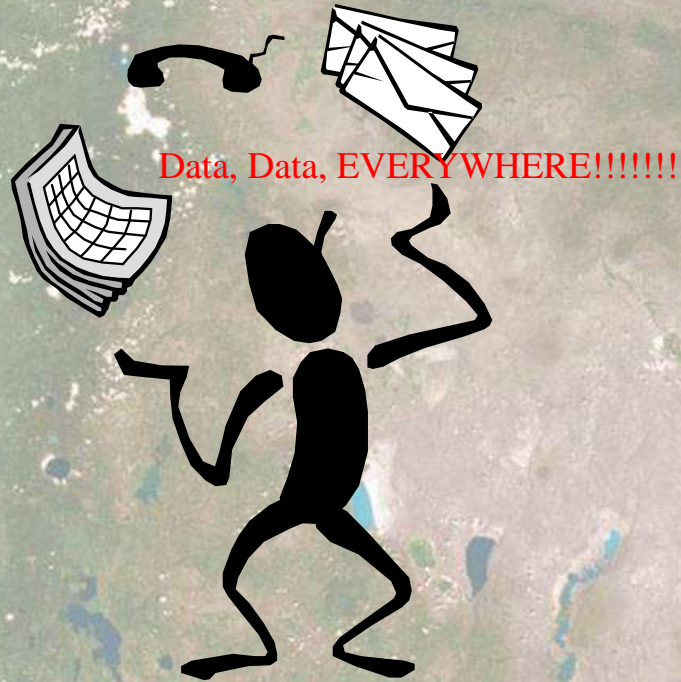
These are drafts. We need your input to craft the best approach.

- Overview & review
- Stewardship Guidance
- Determining the appropriate level of stewardship
- Model Charter

Stewardship

Oregon Framework

Oregon Framework consists of over 300 statewide geographic datasets that are considered a basic resource for common GIS application.



An aerial photograph of the state of Oregon, presented with a torn paper effect. The map shows the coastline on the left, the Willamette Valley in the northwest, and the Cascade Range in the west-central part. The text is overlaid on this map.

Data Stewardship Defined

Larry English, a well-known consultant in knowledge management, defines data stewardship as

[T]he willingness to be accountable for a set of business information for the well-being of the larger organization, by operating in service, rather than in control, of those around us.*

The larger organization here is the enterprise of government in Oregon. Within navigatOR, stewardship embraces this definition and encompasses all aspects of Framework data management and appropriate access to it.

*English, Larry. *Information Stewardship—Giving IQ and Happiness* (Business Intelligence Network, 2006).

Data Life Cycle

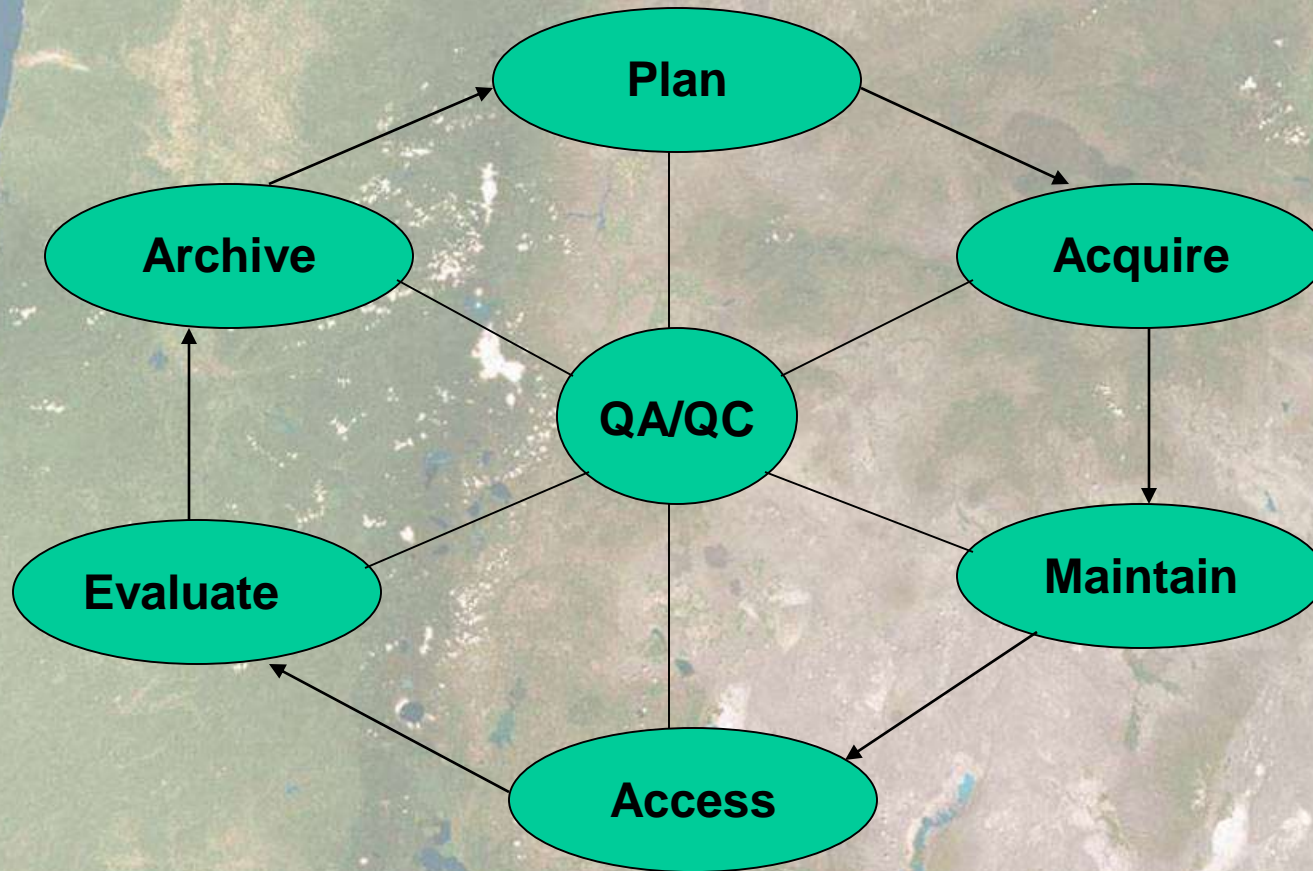


Diagram taken from *Data Management for Data Stewards*, BLM Course Manual, Course No. 0688.

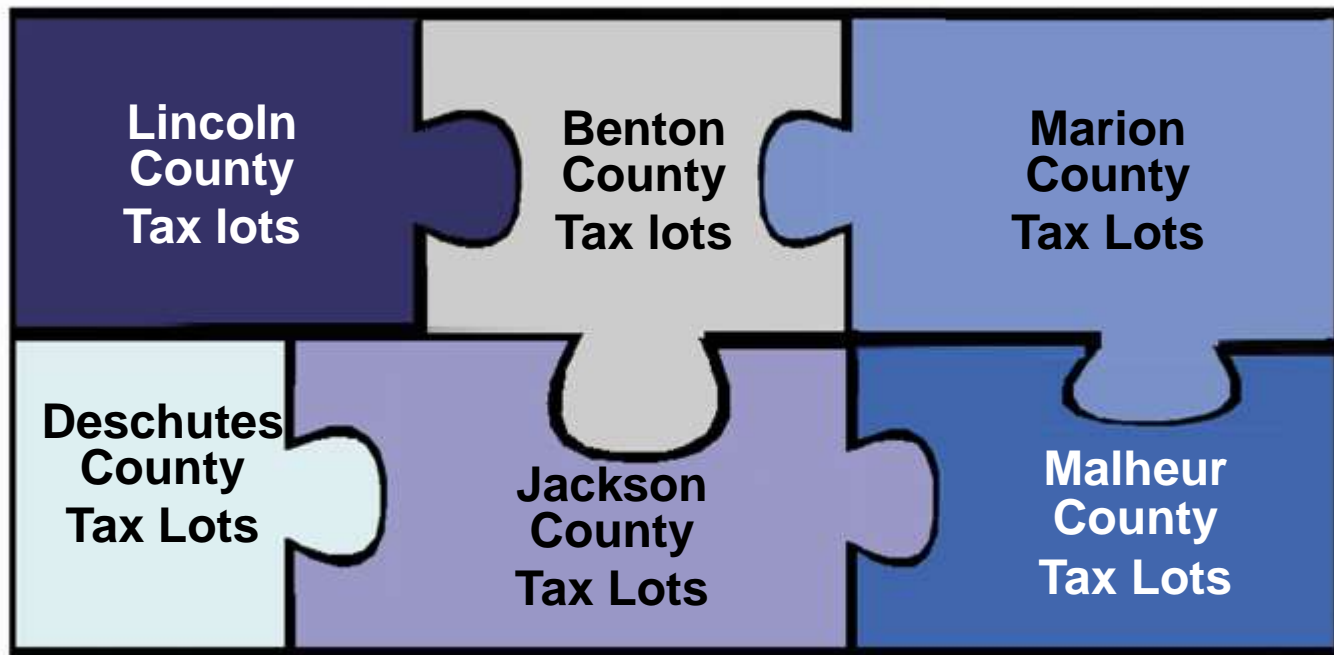
An aerial photograph of a state, likely Oregon, with a blue border. The map shows a mix of green forested areas, brownish-tan agricultural or developed land, and blue water bodies. The text is overlaid on the map.

Framework Stewardship

Three Major Roles

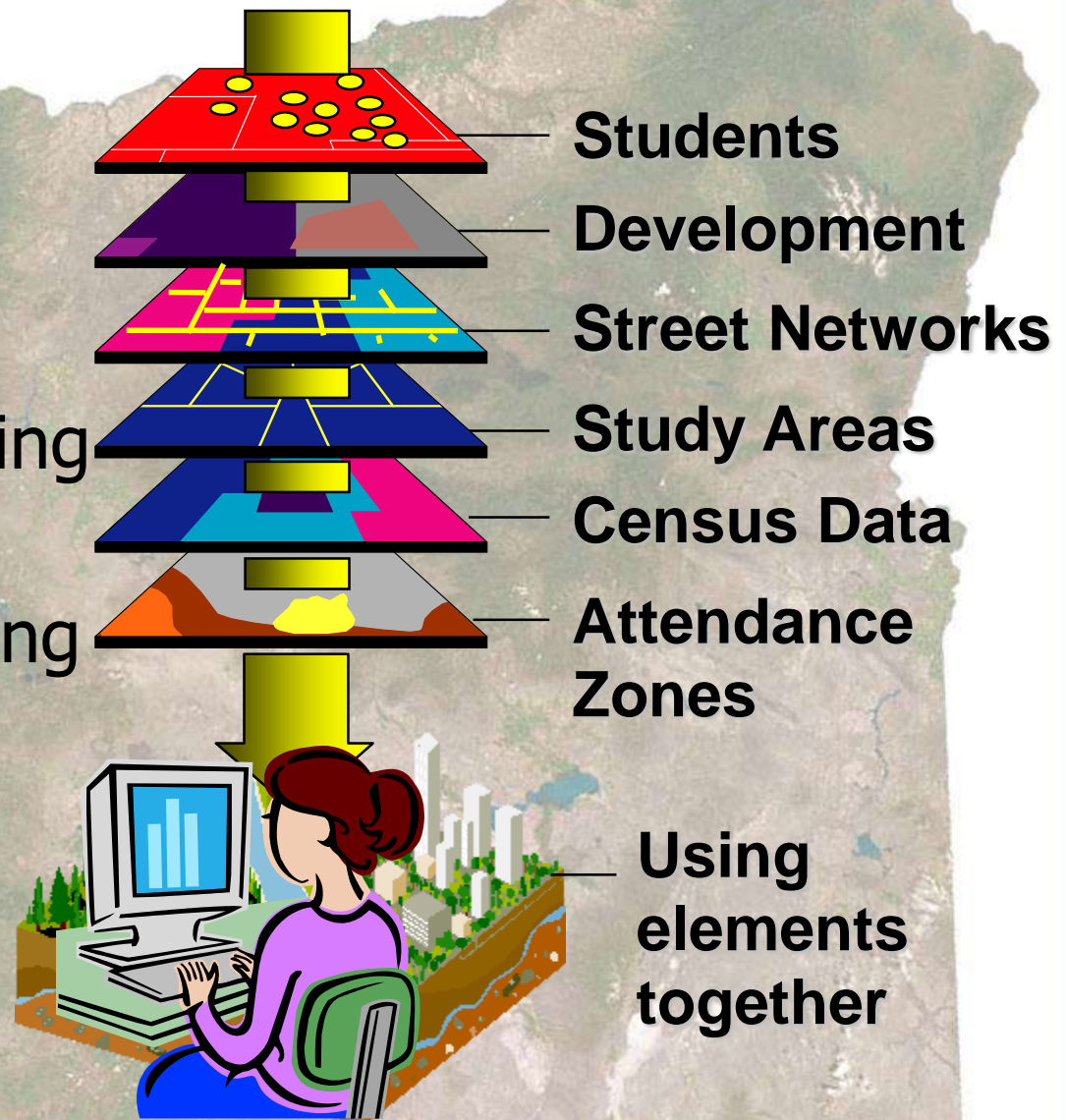
- 1. Custodial stewards** create spatial data
- 2. Horizontal stewards** integrate chunks of data contributed by custodial stewards into statewide datasets (Framework)
- 3. Vertical stewards** assures spatial registration and harmonious database models among Framework datasets

Horizontal Integration



Vertical Integration

- Siting new facilities
- Enrollment forecasting
- Long-range demographic planning
- School redistricting





Stewardship Program Document

- Overview of stewardship in Framework
- Governance & Roles
- Implementation
 - Continuous improvement
 - Challenges
- Documents & Guidance



Stewardship

What's Involved?

- Establish a Steward Group
- Determine level of stewardship
- Adopt a Charter
- Write a Stewardship Plan
- Develop workflow processes documented in SOPs
- Provide feedback to FIT to improve stewardship guidance and implementation

An aerial photograph of the state of Oregon, showing its coastline on the left and various geographical features like mountains and rivers. The text is overlaid on the map.

Stewardship

Stewardship Classes

The Stewardship Workgroup recommends three classes of stewardship for Framework elements:

- Class A: high degree of formality
- Class B: moderate degree of formality
- Class C: low degree of formality



Stewardship

Stewardship Classes

“Formality” refers to documentation:

- Stewardship Charter
- Stewardship Plan
- Standard Operating Procedures
- Business Rules

The higher the class, the more detailed the documentation and the more formal its execution.



Stewardship

Stewardship Classes

Class A

- Stewardship Charter: multiparty
- Stewardship Plan: complex & detailed
- Standard Operating Procedures: required
- Business Rules: framework-driven



Stewardship

Stewardship Classes

Class B

- Stewardship Charter: one or two parties
- Stewardship Plan: less complex
- Standard Operating Procedures: required
- Business Rules: charter-driven



Stewardship

Stewardship Classes

Class C

- Stewardship Charter: one party
- Stewardship Plan: simple
- Standard Operating Procedures: recommended
- Business Rules: internal

Stewardship

Stewardship Classes

Documentation	Class A	Class B	Class C
Charter	multi-party	few parties	one party
Plan	complex	less complex	simple
SOP	required	required	recommended
Business Rules	framework	steward group	internal

An aerial photograph of the state of Oregon, showing its coastline on the left and various landmasses and water bodies. The text is overlaid on the central and upper portions of the map.

Stewardship

Stewardship Classes

Expert Key:

- A consistent method used to assign stewardship classes to framework elements
- Base map elements always Class A
- Criteria:
 - Number of agencies providing data
 - Frequency of change
 - High “dependency” score

Stewardship Charter: Purpose

Provides for the **accountable**, **thorough**, and **documented** stewardship of each Framework element.



Stewardship

Charter: Objective

Properly **maintain, distribute** and **provide** appropriate access to a current Framework element **indefinitely**, as well as create and maintain **metadata** conforming to or exceeding current applicable standards.

I have four feet and fur too.
We must be cousins.



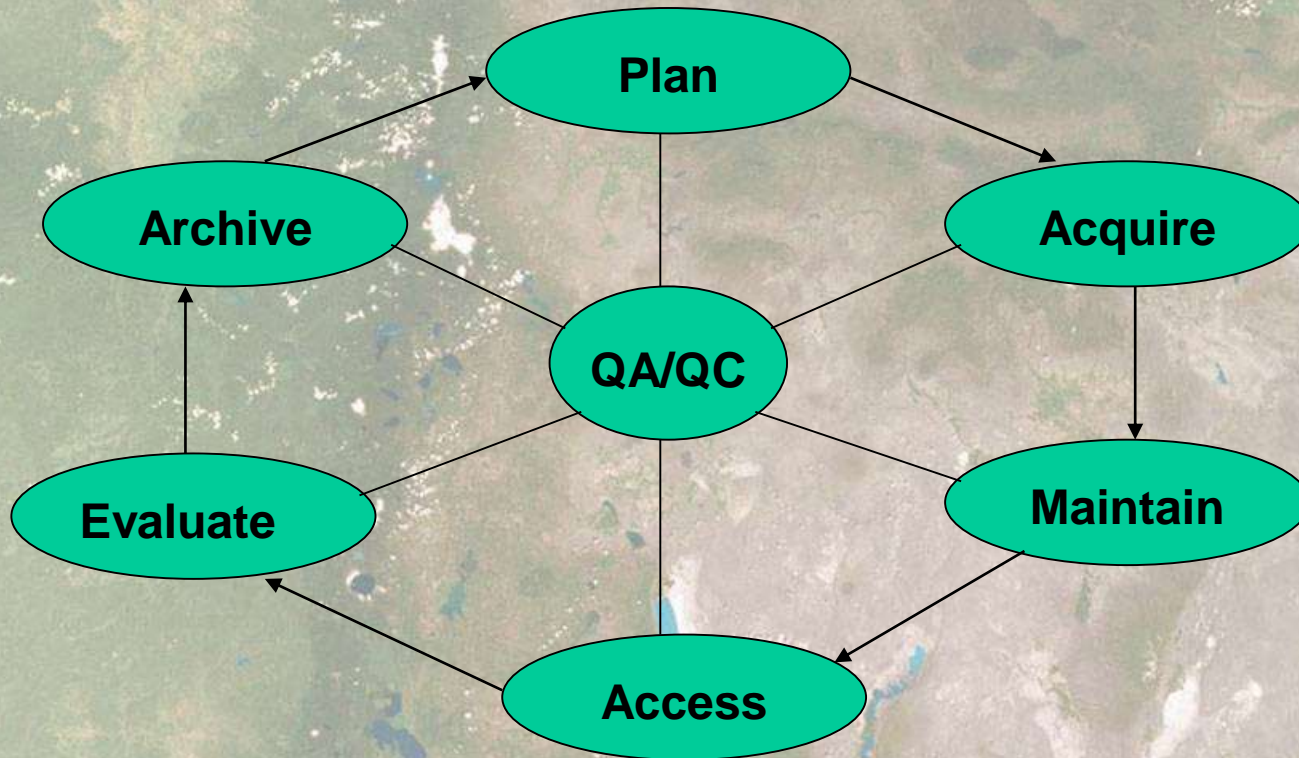
Read all the
metadata!

I'm not a mouse.



Stewardship Charter: Scope

The entire data lifecycle for each framework element





Stewardship

Charter: Responsibilities

Each member of a workgroup agrees to:

- Participate in Stewardship meetings
- Chair or participate in Framework groups as appropriate
- Represent and Communicate with stakeholders and constituent groups
- Adhere to Stewardship Best Practices and Framework Stewardship guidance
- Facilitate, document and adhere to work flows and procedures.



Stewardship

Charter: Responsibilities

As a workgroup, the members will:

- Establish and adhere to a comprehensive Stewardship Plan (Specifics, SOP, Business Rules)
- Pursue funding and resources to fulfill stewardship responsibilities

Stewardship Charter: Succession

IF YOU CAN NO LONGER PERFORM YOUR STEWARDSHIP RESPONSIBILITIES, AN ORDERLY TRANSFER TO A SUCCESSOR IS PARAMOUNT TO MAINTAIN STABILITY.



DON'T LET THE BALL DROP

An aerial photograph of the state of Oregon, presented with a torn paper effect. The map shows the coastline on the left, major cities, and various geographical features like mountains and rivers. The text is overlaid on the map.

Framework Stewardship

Next Steps

1. Collect feedback and test expert key
2. Complete guidance: Model Stewardship Plan; SOP examples
3. Work the guidance through GPL, FIT, PAC, OGIC, CIOMC and CIOC
4. Use **navigatOR** logo as evidence of Framework rigor.

An aerial photograph of the state of Oregon, showing its geographical features like the coast, mountains, and rivers. The word "Resources" is overlaid in large red text at the top center.

Resources

- <http://gis.oregon.gov>
- Gail Ewart, Framework Coordinator
503-378-3157 gail.ewart@state.or.us
- Stewardship Workgroup
 - Gail Ewart, GEO
 - Chris Shirley, DLCD
 - Darlene Gowen, ODOT
 - Sheri Schneider, USGS liaison

Want to help? Contact Gail.