Beyond Beta - Organizational Implementation of ArcGIS Spatial Apps

By Kerry Lyste
Field Data from my workflow – how can this be incorporated in a Cloud-based App?
Cultural Resources – Sacred Sites and Traditional Cultural Properties

Stillaguamish Sacred Sites
The Organization View:

Like the fish... technology does not stand still. New challenges will arrive... why should we upgrade? Is optimism and mettle a fatal flaw or strength?

How to Build an ArcGIS Server (and other things you need to know...)

STILLAGUAMISH TRIBE OF INDIANS

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Why Go Online With Cloud-based Data Resources?

- Leadership (The Board of Directors) would like to have a comprehensive source of information on properties.
- Technology is intoxicating, and it brings people and departments together.
- Efficiency...............A reluctant acknowledgment: it really helps with workflow compared to desktop (ex: DAHP WISSARD).
- We all have products we have developed through the years that we need to share.
- Economic Development – how can my organization maximize potential?

What Are Some Potential Roadblocks to Successful Implementation?

- Human Resources – how much can be done with the current support staff?
- IT – is the expertise and inter-departmental cooperation in place to insure smooth transitions in upgrades and initial implementation?
- Security – is leadership comfortable with your security model? Are you comfortable with it? What can be improved?
- How much ArcGIS Online should you use? How much will the credits cost?
- What will be involved to upgrade server platforms and GIS software?
- Scope Creep – will growth out-strip your ability to support it? (ex: Mobile Apps; Collector)
Department

Planning

FOLDER-DATA-SERVICES (each item is a separate service)

Properties- linked files

Housing

Housing Properties; GPS; utilities, etc.

Facilities

Buildings; Utilities, etc

STECCO

Speculation? Investments/ Parcels/ Census/ Big Data

Natural Resources

Properties-linked files

Cultural

Watershed; Water quality; etc.

Habitat/Resources/etc

Historic (T-sheets; GLO; 1933 Aerials; 1910 Firemaps)

Stilly ID; DAHP; Parcels; Field data;
What are the Keys to Successful Implementation?

• A foundation to build from. Take inventory and make decisions now that will allow the tribe to grow over the next 10 years. Build the Geodatabase/s as best you can out of cast iron.
• The server foundation – make sure you have worked with IT to make the right decisions that provide stake holding and a solid foundation that will allow the organization to grow as well as maintain the infrastructure. Make sure that you have enough knowledge or that you can bring in the consultants that you need.
• User Needs Assessment – if you can not do this invest in having someone come in and do it for you. Inventory each department and find out what kind of services and supporting data is necessary to accomplish measureable objectives that can be accomplished at incremental mileposts.
• Training – bring in or in-house train key employees in each department that can perform periodic updates on data as well as assess geospatial needs in their programs.