



Innovate! Data Integration Tool

Innovate! developed a Data Integration Tool for obtaining, integrating, and standardizing parcel data maintained in various formats from 28 counties across Washington, Oregon, Idaho and Montana. The data are post-processed with several natural resource layers and served alongside complementary layers such as soils, the National Hydrography Dataset, Public Land Survey System and Aerial Imagery. This system enhances the value of the data for land use professionals across diverse disciplines including: utilities, forestry, planning, and state and local government. This system can be easily expanded to accommodate additional parcel data and cost-share partners, and it can be customized for a client's specific area of interest. The Data Integration Tool was purpose built for integrating parcel data but could also be used to combine many different vector data sets into one standardized format.

THE CHALLENGE

Innovate! provided an integrated GIS solution for the Idaho Forest Group (IFG). Based on a series of requirements gathering meetings, key datasets and use-cases were identified. The requirements gathering session identified the scope of services and deliverables. Innovate! provided IFG with a range of alternatives.

THE SOLUTION

For the Northwest Seamless Parcel Data project, GIS data was acquired from 28 counties in Idaho, Washington, Oregon and Montana. We standardized the data using a customized data harvester built using ArcObjects and .NET and MS SQL. The harvester was originally developed by INSIDE Idaho to build statewide roads, structure, parcels, and emergency service zones. Innovate! also worked with IFG's information technology staff to install ArcGIS Desktop and ArcGIS Server on the IFG GIS server. This task included setting up a web based map viewer and making the Northwest Parcel data available on the staff's iPhones, Android Phones and tablets. The application includes an Offline Mode, and allows GPS integration. This task included setting up a web map viewer for demonstration purposes. We then supported the migration and integration of data from a paper based system to a complete digital system supporting both desktop and mobile devices with connected and disconnected editing.



Partner Networks:



www.InnovateTeam.com

HIGHLIGHTS

- Integrated GIS solution
- Data standardization across 28 counties using custom data harvester
- Requirements gathering including identification of scope of services and deliverables
- Scalable and cost-effective solutions alternatives
- Data enhancements for land use professionals
- ArcGIS Server
- Web based map viewer
- Mobile device support including Offline Mode and GPS integration
- For more information on how Innovate! can support you, contact Frank Roberts*
- (208) 699-2712*

http://cloud.insideidaho.org/webapps/util/LogViewer.aspx?fn=etl/20161105_0.html

The harvester was originally developed by INSIDE Idaho to build statewide roads, structure, parcels, and emergency service zones. In this ETL Report the green table cells represent fields that are mapped according to the INSIDE Idaho field mapping table and verified to exist in the source dataset.

ETL Report

[adams_co_id](#) | [asotin_co](#) | [baker_co](#) | [benewah_co](#) | [bonnergis](#) | [boundarygis](#) | [clearwater_co](#) | [columbia_co](#) | [flatheadMT](#) | [garfield_co](#) | [idahoco](#) | [kcgis](#) | [lakeMT](#) | [latah_co](#) | [lewis_co](#) | [LincolnMT](#) | [MineralMT](#) | [MissoulaMT](#) | [npogis](#) | [pendoreille_co](#) | [RavalliMT](#) | [SandersMT](#) | [shoshone_co](#) | [spokaneWA](#) | [stevens_co](#) | [umatilla_co](#) | [union_co](#) | [valley_co](#) | [wallawalla_co](#) | [wallown_co](#)

	P A R C E L I D	G I S S T E W	A S R A C R E S	O W N E R 1	O W N E R 2	M A I L A D D 1	M A I L A D D 2	M A I L C I T Y	M A I L S T A T E	M A I L Z I P	M A I L C N T R Y	S I T E A D D	S I T E C I T Y	S I T E Z I P	C A T E G O R Y 1	I O I V A L U E	D E S C R I P T O R
adams_co_id	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
asotin_co	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
baker_co	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
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boundarygis	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
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columbia_co	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
flatheadMT	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
garfield_co	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
idahoco	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
kcgis	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
lakeMT	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
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lewis_co	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
LincolnMT	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
MineralMT	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
MissoulaMT	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
npogis	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
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RavalliMT	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
SandersMT	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
shoshone_co	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
spokaneWA	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green