TIG | Technology Implementation Group

FAST FACTS:

IPLAN

State: Idaho

Project/Platform Name: IPLAN

URL: http://iplan.maps.arcgis.com

Primary Benefits: Spatially displays data compiled from various internal and external sources so that agency executives are informed, staff is empowered, citizens are engaged and workers are connected from any location. • Facilitates positive working relationships, communicates needs, helps others understand issues and reduces duplication of work between ITD and State agencies. • Offers the ability to look at data in ways not analyzed before. • A significant problem at ITD currently is operating in a “data rich” but “distribution poor” environment. Staff do not know what information is being collected or made available by the Department. IPLAN will help resolve this by providing for centralizing and revealing enterprise data in one easily accessible location.

Development Process:

Contact date: April 2011

Initial data population: April 2012-present

Tech assistance/TIG team workshop date: November 15, 2012

Primary workshop attendees: AASHTO TIG Team, Enterprise Architect, GIS Manager, IT Information Services Manager, 2PM Manager, Senior Environmental Planners, FHWA Community Planner, Senior Transportation Planners, Mobility Services Manager, 2PM Engineer-in-Training; IT Administrator; 2PM Transportation Planning Coordinator, Enterprise Architect Manager, Economist, Bridge Section Leader, Highway Operations Manager, Office of Transportation Investments Manager, GIS Analyst, Project Manager, Board Secretary, Environmental Planners, Motor Vehicles Division Administrator, Motor Vehicles Program Manager, District Engineers

Unique Feature:

The IPLAN project team struggled to obtain buy-in from the Board for approval to move forward. The technology was of interest only if return-on-investment (ROI) could be documented to the Board's satisfaction.

Popular Maps:

ICAPS Access Management Map–Displays Investment Corridor Analysis Planning System (ICAPS) Access Management tiers for Idaho roads. ICAPS is a framework for performance-based planning and investment analysis that is route-dependent, user-focused, data-driven, and strategically-focused, and better communicates ITD's performance and accomplishments. The data is current as of 9/1/2012. The original data was provided by the ITD Transportation Systems Section. http://iplan.maps.arcgis.com/home/webmap/viewer.html?webmap=3de468dc635e48ce89ed6a28dffbaea0

Idaho Airports–This map displays Idaho's Airport locations, runway linework, the navigable airspace buffer around each, and a link to each airport/facility directory sheet. http://iplan.maps.arcgis.com/apps/OnePane/splash/index.html?appid=9959759761c44c238c6f784a2b86e6c1

Idaho Transportation Improvement Program (ITIP)–This map shows location and information about current and planned transportation improvement projects in Idaho. Included is a time-range application that cycles over five years displaying projects that are active to illustrate how the ITIP progresses. http://iplan.maps.arcgis.com/apps/OnePane/azuretime/index.html?appid=1f8c95ed6d574672baa06d0449629711&webmap=5222fa296ca74282a317ca513c8ede36

Documents Produced:

Enterprise Architecture (EA) Assessment Document–Assesses how all parts of the IT infrastructure need to behave to support the enterprise needs and goals. This includes strategic alignment, business, data, systems, technology, and security architecture.

Solution Recommendation Document–Describes the recommended solution that IPLAN be implemented through ArcGIS Online. Includes system requirements, cost options, and the architecture assessment derived from a gap analysis.

Lessons Learned to Date:

Executive Support–Significant effort was invested in establishing internal 'buy-ins' on the technology which included proving cost/benefit advantages and how external collaboration would be enhanced. Now that executive approval has been received with a specific goal in place, moving toward achieving that goal is easier.

Establish Standards Early–Communicate minimum standards for statewide display of data attributes between internal departments of the DOT and external agencies' data.

Seeing is Believing–The ability to demonstrate IPLAN's potential, even with static data at this point, helped generate tremendous support as outreach to potential data suppliers/consumers began. Those stakeholders quickly realized potential value added to their daily business–recognition not easily gained through words and PowerPoint slides alone.

Project Affiliates:

FHWA Idaho Division; BIO-WEST, Inc.; Idaho Department of Fish & Game

Project Key Contacts:

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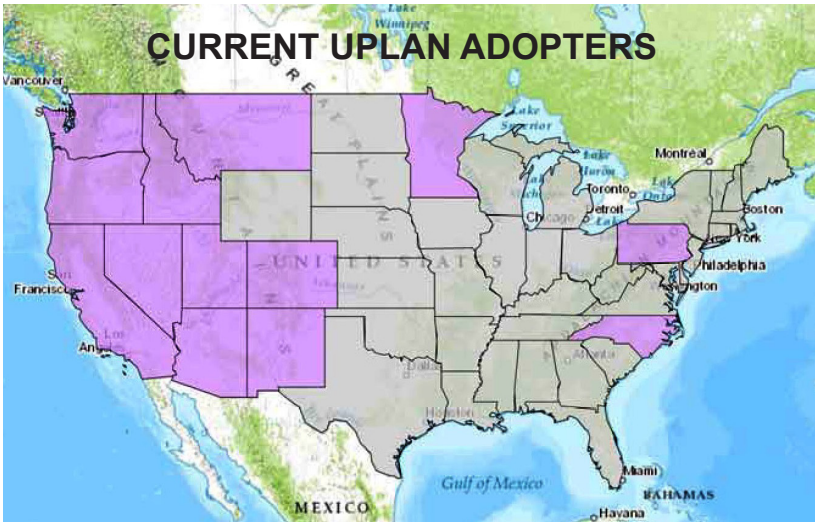

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