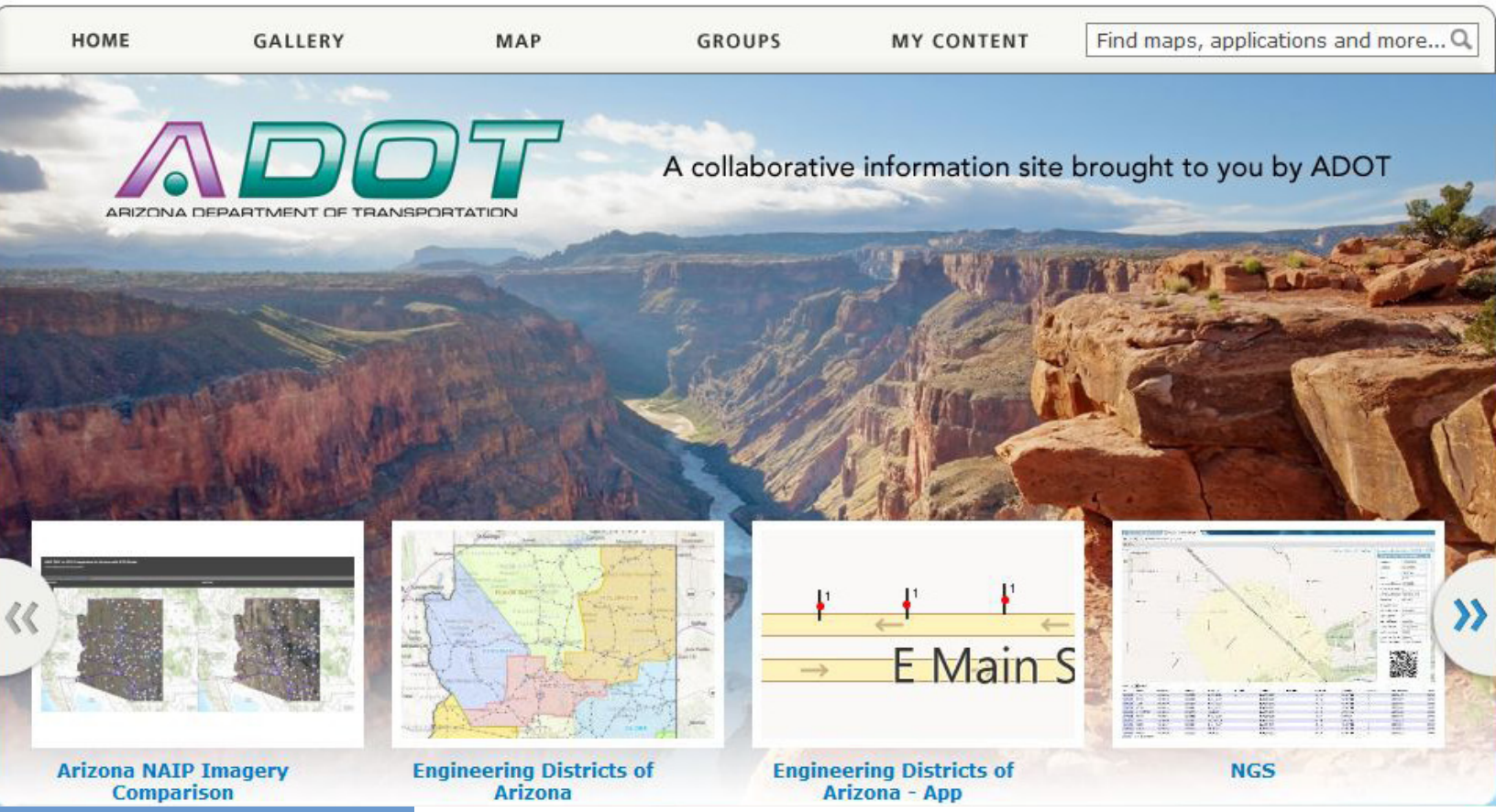
A.I.I. | AASHTO Innovation Initiative



FAST FACTS:

APLAN

State: Arizona

Project/Platform Name: APLAN

URL: http://adot.maps.arcgis.com/home/index.html

Primary Benefits: Helps other departments and divisions within ADOT that have not had GIS support capabilities to become GIS savvy. • Business units are able to see their data viewed in a spatial format, improving understanding. • Gives decision-makers a means for more informed decisions. • Improves collaboration within the agency and promotes the use of spatial datasets for analysis purposes. • Demonstrates, in meetings with the public, the power of new mapping capabilities offered by ADOT. • Improves customer satisfaction by making spatial data accessible through multiple media sources and for a variety of purposes. This includes dynamic maps and data, which were previously available only in static form.

Popular Maps:

2010 Urban Areas–Map displays the 2010 census urbanized areas overlaid with city limits and smoothed urban areas. This map will be used by our planners to help determine new COG/MPO boundaries.

TCS Ramps–Map displays the network of Traffic Count Locations within Arizona. They were broken up by category for ramp, cross ramp, and frontage road.

Travel Surface Type/IRI–Map displays the travel surface type for the mainline of the state highway system. Examples include gravel and asphalt concrete. The IRI data represents the roughness condition of the roadway per category. This helps planners make better decisions when it comes to road maintenance.

Documents Produced:

APLAN Position Paper–Describes best practices for data and maps. It also goes into detail on how APLAN will be used at ADOT.

Lessons Learned to Date:

Consider the business units' daily requirements and needs and try to incorporate them in AGO. Make AGO the central GIS repository for data usage and mapping for non-GIS personnel. Get top management and department heads familiar with the product early on and continue having demonstrations to help share the product's capabilities. Ensure business units work with their IT departments early on to ensure successful implementation and any customization that might need to be coded.

Project Affiliates:

Nevada Department of Transportation: Collaboration with NDOT on the proposed I-11 corridor project

AECOM: Consultant on the proposed I-11 corridor project

Maricopa Association of Governments: Used APLAN to share data on sample panels and HPMS alignment by city agencies with the MAG boundary

Project Key Contacts:

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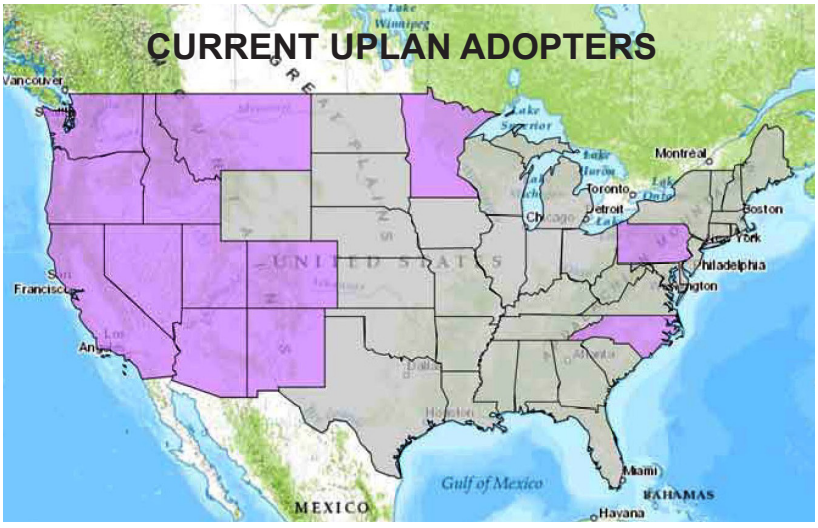

Visit
aii.transportation.org
and click on
UPLAN PHASE II

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