

Title	<i>WPA Mineral Surveys</i>
Abstract	<i>Mineral surveys were collected in Arkansas from 1938 through 1940 under the Work Projects Administration (WPA). Part of Roosevelt's New Deal, this project surveyed the State's natural resources. The mineral surveys are hand-written reports on mineral commodities, surrounding geology, lithologic maps, stratigraphic columns, cross sections, and cultural features. The Arkansas Geological Survey was awarded a data preservation grant to scan these reports and make them accessible to the public on the agency's website. The web application became available in March 2015 and utilizes free and/or opensource technologies including GeoServer, the Google Maps API, SQL Server Express, FlexPaper, and ASP.net. geology2.ar.gov/WpaMinSurveys/</i>
Please Select	<i>Professional</i>
What type of poster presentation is this?	<i>Best Interactive Website (Instead of a poster this category will have a computer available with the interactive web application.)</i>
Presenter Name	<i>Nathan Taylor</i>
Presenter Email	nathan.taylor@arkansas.gov
Presenter Phone Number	5016830185

Title	<i>Pulaski County Flood Hazard Mapping Application</i>
Abstract	<i>This application allows a user to view the digital flood insurance rate map (DFIRM) layers published by FEMA for Pulaski County, effective July 6, 2015. Users can search the map by address, street, intersection, parcel, or FIRM panel. Some of the unique aspects about this application are that it can run on a desktop or mobile device, and it mashes together layers from PAGis and FEMA web map services so that the data presented is always up to date. The pop-up identify window for the FIRM panel layer has hyperlinks to scanned FRIM panels and to download DFIRM data directly from FEMA. Another distinguishing feature of the application is the simplified pop-up menu at for the flood hazard area layer. The pop-up result is a union of city and county polygons containing the flood plain administrator contact info, tax parcels containing the property ownership info, the FIRM panel number, and the DFIRM hazard designation.</i>
Please Select	<i>Professional</i>
What type of poster presentation is this?	<i>Best Interactive Website (Instead of a poster this category will have a computer available with the interactive web application.)</i>
Presenter Name	<i>James Holley</i>
Presenter Email	james.holley@pagis.org
Presenter Phone Number	5013771270

Title	<i>Characterization and Classification of Discrete Clusters of Earthquakes from 2008 - 2015 in North-Central Arkansas</i>
Abstract	<i>North-central Arkansas has seen a significant increase in both unconventional resource development within the Fayetteville Shale Play and seismicity since 2009. The study area is historically seismically active, but it has seen an increase in seismic activity since 2009 that is likely a combination of both natural and human-induced clusters and even swarms of earthquakes (including the Guy-Greenbrier earthquake swarm of 2010-2011). We review earthquake catalogs from the Center of Earthquake Research and Information (CERI) and the Arkansas Geological Survey (AGS) to obtain key characteristics including location, magnitude, and depth of the earthquakes within each discrete cluster. Then we determine if a spatial and temporal correlation existed between discrete individual clusters of earthquakes that had occurred within 10km of an active Class II saltwater disposal well, or within 5km of production wells undergoing hydraulic fracturing during the time of the seismic activity.</i>
Please Select	<i>Professional</i>
What type of poster presentation is this?	<i>Best Cartographic Design</i>
Presenter Name	<i>Jerry Clark</i>
Presenter Email	jerry.clark@arkansas.gov
Presenter Phone Number	5012961877

Title	<i>Current Status of Shortleaf Pine Restoration for the Ozark-St.Francis National Forests</i>
Abstract	<i>This analysis covers the last 10 years of management activities that promote a healthy shortleaf pine ecosystem. Treatments to improve, maintain, or restore forest include thinning, regeneration, herbicide application, prescribed burning, or a combination of these activities. These treatments are intended to provide conditions suitable for shortleaf pine, in areas where historical records indicate were either shortleaf pine forests or pine-oak savannahs, and where fire suppression has led to encroachment of fire-intolerant hardwood species.</i>
Please Select	<i>Professional</i>
What type of poster presentation is this?	<i>Best Applied Project</i>
Presenter Name	<i>Brian Barns</i>
Presenter Email	bbarns@fs.fed.us
Presenter Phone Number	4799647203

Title	<i>Data You Hope You Never Have to Use</i>
Abstract	<i>After a tornadic event, homes are demolished and the landscape is changed with no recognizable landmarks remaining. The Western Arkansas Planning & Development GIS Department collaborated with the Crawford County Department of Emergency Management to register, locate and GPS storm shelters in Crawford County and its municipalities to aid first responders in the event of a tornado. This project covers the public service announcements (PSA) to notify home owners of the website, mail and phone registration process as well as field collection of shelters including photos, data transfer and input to current maintenance of data.</i>
Please Select	<i>Professional</i>
What type of poster presentation is this?	<i>Best Applied Project</i>
Presenter Name	<i>Shannon Scott, GISP</i>
Presenter Email	sscott@wapdd.org
Presenter Phone Number	4797852651

Title	<i>Blanchard Caverns and a Billion Points of Light</i>
Abstract	<i>Through a Cost Share Agreement with the University of Arkansas Center for Advanced Spatial Technologies, the Ozark-St. Francis National Forests utilized their expertise and experience with laser scanning to collect billions of measurements in a point cloud to obtain a 3D perspective of Blanchard Caverns. This information will be used for future facility updates, simulation of cavern lighting for future lighting updates, and 3D simulation viewing for the public and marketing. The data will also be used to provide advanced spatial data to analyze for local and regional environmental effects of activities taking place around Blanchard Caverns.</i>
Please Select	<i>Professional</i>
What type of poster presentation is this?	<i>Best Applied Project</i>
Presenter Name	<i>Tammy Hocut</i>
Presenter Email	thocut@yahoo.com
Presenter Phone Number	8704465122

Title	<i>2011 & 2014 Tornado</i>
Abstract	<i>We will be presenting a map showing the tornado paths of 2011 and 2014. The information on the map will allow everyone to see the overall area of each tornado and how much they overlapped each other.</i>
Please Select	<i>Professional</i>
What type of poster presentation is this?	<i>Best Data and Analytic Presentation</i>
Presenter Name	<i>Deena Beaty & Michele Wilcox</i>
Presenter Email	deena.beaty@faulknercounty.org
Presenter Phone Number	5014504905

Title	<i>Property Tax Impact of the Fayetteville Shale Play on School Districts</i>
Abstract	<i>This will show over time the wells drilled by year in the Fayetteville shale counties coupled with the property taxes(mineral interests are considered real property in Arkansas) that this triggered. the viewer will be able to see the impact the play has had on local school revenues.</i>
Please Select	<i>Professional</i>
What type of poster presentation is this?	<i>Best Data and Analytic Presentation</i>
Presenter Name	<i>Robert McGee</i>
Presenter Email	Robert.McGee@acd.state.ar.us
Presenter Phone Number	5013249114

Title	<i>Interstate 69 Corridor Status</i>
Abstract	<i>In August 2007, I-69 was selected by the United States Department of Transportation as one of the six "Corridors of the Future". The Arkansas State Highway and Transportation Department has been collecting and maintaining data related to the progression of the project. This poster shows the representative corridor and the different stages of completion.</i>
Please Select	<i>Professional</i>
What type of poster presentation is this?	<i>Best Cartographic Design</i>
Presenter Name	<i>Greg Cullum</i>

Presenter Email	gregory.cullum@ahtd.ar.gov
Presenter Phone Number	5015692939

Title	<i>Creating Friction for a Safer Drive</i>
Abstract	<i>The Arkansas State Highway and Transportation Department has been improving pavement surface texture to improve driving in wet conditions. This poster shows the analysis run on a portion of Interstate 30 in Clark County 5 years prior to surface friction improvements and 5 years after surface friction improvements.</i>
Please Select	<i>Professional</i>
What type of poster presentation is this?	<i>Best Data and Analytic Presentation</i>
Presenter Name	<i>Sharon Hawkins</i>
Presenter Email	sharon.hawkins@ahtd.ar.gov
Presenter Phone Number	5015692205

Title	<i>IDrive Arkansas</i>
Abstract	<i>The Arkansas State Highway and Transportation Department developed a website www.idrivearkansas.com specifically designed to make the public aware of construction, traffic, weight restricted highways/bridges, welcome centers/rest areas and weather while they're traveling Arkansas. The website is designed as a "one-stop shop" for travelers across the state so that they will know what to expect as they drive Arkansas.</i>
Please Select	<i>Professional</i>
What type of poster presentation is this?	<i>Best Interactive Website (Instead of a poster this category will have a computer available with the interactive web application.)</i>
Presenter Name	<i>AHTD GIS and Mapping</i>
Presenter Email	gregory.cullum@ahtd.ar.gov
Presenter Phone Number	5015692939