State of the MAGIC States
2017 MAGIC States Clearinghouse Summit

State	Arkansas
Technology	AWS, ArcServer, ImageServer, Wordpress, SQL Server, FME, MySQL, Postgres, POSTGIS
Staffing	Shelby Johnson Director Jonathan Duran Deputy Directory Matthew DeLong Sr GIS Analyst Wes O'Donohue Sr GIS Analyst 2 X Sr GIS Analyst …TBD Maria Owen GIS Analyst Jennifer Wheeler GIS Analyst Kayla Lyons – Admin Assistant John Thornton State Surveyor Kimberly Scott – Admin Assistant
Endeavors Since We Last Met	Upgraded ArcServer from 10.2 -10.5, completed AWS scale out migration to split database role and GIS/Image Server/Web Server to separate EC2 instances, Upgraded FME Server from 2015 to 2017, reduced EBS volume footprint
Current Activities	Delivery of Statewide 1 ft ortho beginning, County Project Address Point/USPS CASS certification project. MAP21 Arkansas GIS office completed awaiting Highway Department processing completion, Municipal Boundary processes and Census reconciliation, 5 Counties left until Statewide Address Point File completed.
Planned Activities	DRM for Survey Plats, Outreach for Annexations and Administrative Boundaries in preparation for redistricting, PLSS Corner Control refinement for PLSS stewardship.
Challenges	Time and money. Local Government attrition
Extra Credit	How many MAGIC states share a border with Arkansas?
Website	gis.arkansas.gov surveyor.arkansas.gov
Other	Go Cubs..

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State	*Illinois*
Technology	3 ArcGIS Server instances, and now a single Portal (I mean, ArcGIS Enterprise?). One ArcGIS Server site still running 10.22 because of the way OGC service custom capabilities are validated. One site is at 10.4, and one running 10.5.
Staffing	Mark Yacucci Melony Barrett Dan Thurston
Endeavors Since We Last Met	Start combining forces with other sister surveys at the Prairie Research Institute. Installed an instance of ArcGIS for Portal. The plan is to begin exposing all of the services in the Clearinghouse to it, and expand services for use amongst the surveys.
Current Activities	See above.
Planned Activities	Waiting on our ArcGIS Online subscription from the University.
Challenges	Time, funding. Height Modernization funding discontinued. Future tenuous.
Extra Credit	Lots of emergency management activities!
Website	https://clearinghouse.isgs.illinois.edu
Other	

State	Iowa
Technology	DKAN/Drupal on AWS (AWS Linux, Drupal 7, DKAN, AWS S3) ArcGIS Enterprise
Staffing	No permanent staff dedicated to Clearinghouse activities. Part of Job description for Casey Kohrt (Iowa DNR GIS Librarian) and Patrick Wilke-Brown (Iowa OCIO, GIS Coordinator)
Endeavors Since We Last Met	Clearinghouse implemented using Drupal and the DKAN module
Current Activities	Promoting new Clearinghouse, management of datasets/resources by State of Iowa agencies
Planned Activities	Work with county government to leverage clearinghouse resources and repository
Challenges	Always long term funding, but promoting this as part of the State's Open Data initiative, so good for now.
Extra Credit	
Website	https://geodata.iowa.gov
Other	

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2017 MAGIC States Clearinghouse Summit

State	Kansas
Technology	- Esri State Government ELA - Combination of on-site hosting at KGS and off-site hosting at the KU Computer Center - ArcGIS Online - ArcGIS Server 10.3.1 on Red Hat Linux - Oracle 12g on Red Hat Linux (primary) - Microsoft SQL Server (as needed) - Cold Fusion Enterprise - VMware Standard Edition - Synology Network Attached Storage (NAS)
Staffing	- Ken Nelson - DASC Manager, Kansas GIO - Eileen Battles - GIS Project Manager - Kelly Emmons - Web Admin/Applications Developer - Kristen Jordan - GIS Specialist/Programmer - Brent Miller - GIS Specialist - Asif Iqbal - Systems Architect - Shawn Saving - GIS Specialist
Endeavors Since We Last Met	- Statewide LiDAR coverage available (combination of QL2/QL3) - NG911 Portal & Toolbox– new modules, tools and enhancements - Kansas Department of Agriculture Base Flood Elevation portal - Open Records for Kansas Appraisers (ORKA) – developing next generation of application - Implemented sms ArcGIS Server management tools - Implemented new NAS storage devices
Current Activities	- NG911 (911 Council, PSAPs) - ORKA (KDOR/PVD, County Appraisers) - Online Water Use Report (KDA/DWR, KWO, KGS, KS Policy Board) - Streamlined Sales Tax Project (SSTP) (KDOR) - Statewide Tax Units Database (KDOR/County Clerks) - KDOT Crash Mapper & Geodatabase - KWO Public Water Supply Mapping Portal - Kansas One Map Strategic Planning - Negotiating Esri ELA renewal
Planned Activities	- Amazon Web Services - ArcGIS Online - Uses for Portal - Statewide imagery to be flown winter 2017/2018 funded by 911 Coordinating Council - Continued LiDAR acquisition – all QL3 data to be replaced with QL2 over the next two years, potential of QL1 pilot areas, 3DEP proposal

Challenges	• Stable funding • Staff resources/workload
Extra Credit	Staff funding comes from two primary funding sources – annual clearinghouse operational budget and cost-reimbursable projects.
Website	www.kansasgis.org
Other	

State of the MAGIC States
2017 MAGIC States Clearinghouse Summit

State	Missouri
Technology	Dell Power Edge Server with ~200Tb attached storage running two VMs (VM Ware). Server A – Web, FTP Server, ESRI Geoportal and ESRI ArcGIS Server. Server B – Imagery Server, ESRI ArcGIS Server with Image Server Extension
Staffing	One Staff – Title: Internet Administrator; Acting as Web Designer/Server Administrator/GIS Tech/Help Desk Plus one 20 hour / week Graduate Student
Endeavors Since We Last Met	Staying afloat. Training graduate student (ongoing). Engaging with MGISAC to seek guidance/assistance in setting priorities with limited budget and staff and most importantly seek funding opportunities and potential partnerships.
Current Activities	Publishing new LiDAR and derived DEM. Training graduate student. Seeking potential partnerships and funding opportunities.
Planned Activities	Moving server hardware from Kansas City (UMKC) data center back to Columbia in the care of Arts & Sciences computer support to reduce IT maintenance charges. Planning to undertake during low use window over Thanksgiving break to limit downtime for stakeholders.
Challenges	By far the biggest is FUNDING. Learning how to do tasks with only peripheral knowledge that were previously undertaken by others. Seeking funding and partnership opportunities. Training grad student
Extra Credit	Standing up a parallel imagery service during May 2017 flood event on the Meramec River, St. Louis to ease pressure on Surdex Corp. image server due to SEMA and media traffic.
Website	http://www.msdis.missouri.edu ftp://msdis.missouri.edu http://geoportal.missouri.edu/geoportal/ http://msdisweb.missouri.edu/arcgis/rest/services/ http://moimagery.missouri.edu/ArcGIS/rest/services/
Other	If funding can be secured, investigate "cloud" options, possibly move to VMs on MU research network. Get away from owning and maintaining hardware. New visionary leadership and re-staffing.

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State	*Nebraska*
Technology	GIS
Staffing	3 full time staff
Endeavors Since We Last Met	New state GIS coordinator Updated Statewide parcel database
Current Activities	DOT data consolidation Preliminary Cost Rate Discussions with Agencies Infrastructure Optimization
Planned Activities	DNR data consolidation Imagery Purchase
Challenges	Funding for programs and projects- OCIO-GIO is a cost recovery program. Consolidation to single state domain
Extra Credit	
Website	http://www.cio.nebraska.gov/gio/index.html
Other	

State of the MAGIC States
2017 MAGIC States Clearinghouse Summit

State	*North Dakota*
Technology	• Oracle • ArcGIS Server • ArcGIS Online ("Visual ND") • FME Server • DKAN ("Hub Data Portal")
Staffing	• DBAs – 2 shared • System Administrators – 4 shared, Linux & Windows • Web Developers – shared staff and Vendor Pool • Policy Makers – GIS Technical Committee • Coordinators – Bob, some state agencies • Managers – Bob, within his agency (IT Department) • GIO – nada • Analysts – Vendor Pool
Endeavors Since We Last Met	Data • 2016 NAIP - .6m (2.45TB) Systems • Upgraded to ArcGIS Server 10.4.1 • Moved DKAN from on-premises to SaaS Coordination • Muni-boundary legislation passed (for BAS) • Portal and ArcPro Training • PT staff augmentation in place
Current Activities	Data • Parcels – proof of concept • Google Imagery – statewide, 6" pixels, 1m accuracy Systems • Move to ArcGIS Server 10.5.1 and FME Server 2017 • Converting from 3-tier to 2-tier SDE connections • Migration to shared, newer version of Oracle Coordination • Continued contractor-based staff augmentation • Planning 2017 state GIS Conference • Early stages of state BAS • Support for Governor's "Main Street Initiative" and "IT Unified Shared Services"
Planned Activities	Data • Develop parcel approach • 2017 NAIP (.6m)

	Systems
	    • Pilot moving from Oracle to SQL Server
	    • Investigate Portal
	Coordination
	    • Grow use of open data platform
	    • Continued providing of training and workshops
	    • Updated Executive Order – defines GIS coordination

Challenges	• Lack of staff • Budget concerns
Extra Credit	Funding was received for 2017-2019, though reduced
Website	www.nd.gov/gis
Other	Bob Nutsch 701-328-3212 bnutsch@nd.gov @bobnutsch