

SAGIC GIS Symposium 2026 Agenda

Meeting Date: Wednesday, October 7, 2026
Meeting Place: Hill Farms State Office Building
 Rooms S152/156
 4822 Madison Yards Way
 Madison, WI 53705
Meeting Time: 9:00 a.m. to 5:00 p.m.



MORNING

9:00-9:15 a.m.	Opening Remarks / Meeting Logistics / What is SAGIC?	Alex Krebs (DMA-WEM)
9:15-9:45 a.m.	Wisconsin NG911 Program Update from the GIS Perspective During this presentation we will go over the outstanding contributions the local data providers have made to the Statewide Next Generation 911 GIS Dataset as well as look forward to the next steps for our project which includes the first signs of reaching our goal of end state NG911 systems across all of Wisconsin.	Zach Hassler (DMA-OEC)
9:45-10:00 a.m.	What's the (Address) Point? A Status Update and Summary of our Statewide Address location Dataset In this presentation I will provide an update on where we stand with the long-term goal of obtaining complete, high-quality, emergency response address locations from all 72 counties. We'll discuss potential future uses for the dataset such as an address locator for geocoding. How might your organization use and benefit from the dataset?	Andy Swartz (DHS)
10:00-10:20 a.m.	Break	
10:20-10:50 a.m.	2030 U.S. Census Redistricting Data Program This presentation will focus on the U.S. Census Bureau's 2030 Redistricting Data Program. This program is essential for the improvement of U.S. Census block geography, the foundational geography utilized in local and legislative redistricting.	Zach Robinson (LTSB)
10:50-11:05 a.m.	SAGIC State Boundary Task Force update An unofficial group of SAGIC members interested in Wisconsin's State Boundary have been meeting since October 2025 to discuss business-related issues. Our focus was to learn how GIS users apply the Wisconsin state boundary in GIS and provide guidance when choosing a state boundary GIS data source. This session will summarize the results of our work and provide some recommendations for future work.	Christine Koeller (WisDOT)
11:05 - 11:50 a.m.	ArcGIS Indoors Data sets are frequently spread over multiple units and formats, from paper records to digital files, to institutional knowledge. Combining this information into one cohesive, coherent and complete source was challenging. Creating a resource that is appealing and clearly understood? Almost impossible. Using the technological abilities of ArcGIS Indoors and ArcGIS Enterprise, a highly collaborative and geographic approach, and focus on field accessibility, Campus Mapping (a part of Facilities Planning & Management's Physical Plant) has embarked on creating accurate and updated maps to improve efficiency across campus. Whether it's providing maintenance workers with floor aware building models, mapping underground utilities for safe and efficient repairs, or visualizing custodial cleaning routes, our comprehensive maps provide inventories, locations, and attributes that help with operations. Streamlining the process and providing a full picture of both indoor and the outdoor landscape has provided stakeholders with information to make data driven decisions. The framework we have developed is scalable for future improvements and operational needs.	Paige Taft (UW Madison)
11:50 a.m.-12:00 pm	Check In/Announcements	
12:00-1:30 p.m.	LUNCH on your own	

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AFTERNOON

1:30-2:30 p.m.	Panel Discussion: Digital Accessibility We will hear from GIS professionals navigating web accessibility standards to meet the Web Content Accessibility Guidelines (WCAG) 2.1 regulation by the extended deadline of April 26, 2027. GIS staff from various State agencies are working to make their PDF maps, web maps, and other GIS and web content meet their respective agency's expectations. Come connect and learn about this important topic. A Q&A session will follow opening remarks.	Colter Sikora and Andy Swartz (Moderators) Panel: Andrea Bohn (WHS) Christine Koeller (WisDOT) Jesse Papez (DNR) Hunter McCormick (DOA)
2:30-2:45 p.m.	Static Map Accessibility DNR IT GIS and Web sections collaborated to develop resources to assist staff with the design and publication of accessible digital static maps. The guidance provides best practices to ensure map products at DNR are well designed and accessible to the broadest audience possible. This presentation will provide an overview of project scope and resources consulted. We'll explain how we organized the guidance to follow Web Content Accessibility Guidelines (WCAG) 2.1 core principles. We'll also discuss some challenges we encountered and how we worked through them.	Jonathan Kult (DNR)
2:45-3:05 p.m.	Break	
3:05-3:50 p.m.	LiDAR and Tree Detection Classification Recent advances in LiDAR and other remote sensing technologies have greatly expanded our capacity for conducting highly detailed and accurate urban forest inventories. However, many of these new workflows require bespoke data acquisition or access to costly private data, which is often inaccessible to public agencies due to budget constraints and bureaucratic procurement rules. Therefore, forestry research staff at the Wisconsin Department of Natural Resources set out to determine if an urban tree inventory could be compiled using standard desktop processing tools (e.g., R and Python) relying solely on publicly available data. This presentation will demonstrate how data ranging from municipal and county to state, national, and global scales were deployed to inventory publicly and privately owned trees across Milwaukee County, Wisconsin. I will also show how existing urban forest inventory data was used to classify trees by genera, with many accuracy rates exceeding 80%. This work serves as a starting point for similar inventories in other locations and highlights the potential and limitations of this approach.	Robert Small (DNR)
3:50-4:05 p.m.	Box Geolocator – Integrate Box with ArcGIS The Challenge: Field crews capture thousands of geotagged images during construction projects, but traditional workflows are inefficient and error prone. Users must manually download images from Box, extract GPS coordinates using ArcGIS Pro (which only supports JPEG/JPG and TIFF formats), associate project metadata with each point, and upload to Feature Classes - a time-consuming process that creates bottlenecks and delays data availability. The Solution: This automated AWS Lambda solution eliminates manual work by detecting Box image uploads in real-time via webhooks, automatically extracting GPS coordinates from multiple formats (including HEIC), and instantly creating ArcGIS feature points with associated project metadata. The system handles file lifecycle events to keep data synchronized, providing real-time processing, zero manual intervention, consistent data integrity, and the scalability to handle thousands of images without user bottlenecks.	Mahtab Alam (WisDOT)

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4:05-4:35 p.m.	Wisconsin Safety and Transportation Analysis Resource (WiSTAR) The Wisconsin State Patrol, in partnership with the Traffic Operations and Safety (TOPS) Laboratory at the University of Wisconsin-Madison, has developed WiSTAR, a large-scale data warehouse for collecting, integrating, and analyzing statewide traffic safety enforcement data. A pilot project incorporating pre-adjudicated traffic citation and warning data from 35 agencies concluded in 2025 and demonstrated both the technical feasibility and analytics capabilities of the system. A statewide rollout to all 550+ Wisconsin law enforcement agencies commenced in 2026, with more than 150 agencies participating so far. In addition to supporting statewide data integration and analytics, WiSTAR provides mapping and visualization tools that allow users to explore enforcement activity alongside other transportation and safety-related datasets. This presentation will provide an overview of the WiSTAR system, including its data management approach, mapping and visualization capabilities, the agency participation process, and emerging use cases. Attendees will be invited to provide feedback on applications and future opportunities for the system.	David Harvey (WisDOT) Steven Parker (UWSA)
4:35-4:50 p.m.	Using ArcGIS Assistant to Speed Up AGOL Content Development ArcGIS Assistant is a community-driven application developed by a team from Esri Professional Services. The application can streamline certain administrative tasks for ArcGIS users. This talk will provide a brief overview of the Assistant's capabilities and demonstrate how the Universities of Wisconsin has used it to expedite the development of ArcGIS Online content.	Paul Boehnlein (UWSA)
4:50-5:00 p.m.	Post-Symposium Survey and Wrap-up	Alex Krebs
5:00 p.m. start	Social at Café Hollander	

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Parking & WiFi

Parking is available at the Hill Farms Parking Garage for \$2.00/hour

Public WiFi is available in the building



State Agency Abbreviations

BCPL	Board of Commissioners of Public Lands
DOA	Dept of Administration
DATCP	Dept of Agriculture, Trade and Consumer Protection
DCF	Dept of Children and Families
DHS	Dept of Health Services
DMA-OEC	Dept of Military Affairs Office of Emergency Communication
DMA-WEM	Dept of Military Affairs Wisconsin Emergency Management
DNR	Dept of Natural Resources
DPI	Dept of Public Instruction
DOR	Dept of Revenue
DWD	Dept of Workforce Development
LTSB	Legislative Technology Services Bureau
PSC	Public Service Commission
SCO	State Cartographers Office
UWSA	Universities of Wisconsin
WDT-OOR	WI Tourism - Office of Outdoor Recreation
WEC	WI Elections Commission
WGNHS	WI Geological and Natural History Survey
WHS	WI Historical Society
WisDOT	WI Dept of Transportation

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WTCS	Wisconsin Technical College System
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