

# SPRING REGIONAL MEETING AGENDA

The following list of presentations is preliminary and subject to modification prior to the final program publication.

## Select your Workshop

New! Your registration includes a workshop offered the morning of Thursday, June 1. See below.

### THURSDAY, JUNE 1

**MEMBERS:** A table adjacent to registration will be available for displaying advertising materials (pamphlets, brochures, flyers, cards, etc.) during the Spring Regional Meeting. Please drop off these materials when you register for the event.

#### 8-9 a.m.

### Registration

#### 9 a.m.–12 p.m.

### Overview of the ArcGIS Platform at 10.5

#### Matt Taraldsen, Account Executive, Esri

This session will cover a conceptual and technical overview of ArcGIS 10.5. Topics to be covered include new server components at 10.5 (GeoEvent Server, GeoAnalytics Server, and Image Server); technical upgrades to increase server performance (the Data Store, tile caching); Portal for ArcGIS collaboration; a demonstration of Insights for ArcGIS; how to effectively leverage ArcGIS Pro 1.4; utilizing field data collection apps (Survey123 and Collector); and an introduction to two new scripting environments to enhance the value of ArcGIS Online: Arcade and Python API for ArcGIS Online. Some tips, tricks, and best practices on utilizing and deploying ArcGIS 10.5 will also be highlighted.

#### 9 a.m.–12 p.m.

### OpenStreetMap: A World of Data Workshop

#### Ethan Nelson, PhD Fellow in the Department of Atmospheric and Oceanic Sciences, University of Wisconsin–Madison

OpenStreetMap (OSM) is a collaborative project with the goal to map the entire planet and provide that data under an open database license. Applications of OSM data range from local planning and decision-making to humanitarian disaster relief to online base map layers. Data that exists in OpenStreetMap comes from a combination of surveyed “on-the-ground” data, aerial tracing, and coordinated imports of other compatibly-licensed data sources. This workshop will provide an overview of the OSM data structure and how to access the data, highlight some of the editing software used to add or modify data in OSM, and provide hands-on experience with a “mapathon” where participants will remotely contribute to a coordinated mapping task. Attendees are encouraged to bring a laptop and external mouse to participate in mapping.

## WLIA REGIONAL MEETING

HOLIDAY INN  
FOND DU LAC, WI

JUNE 1-2, 2017



WISCONSIN  
LAND INFORMATION  
ASSOCIATION

THURSDAY, JUNE 1

9 a.m.–12 p.m.

## To the Field, To the Cloud: Mobile Browser Apps for GIS Data Collection and Management using Open Source Web Technologies

**Ian Hanou, Owner and Director of Business Development, Plan-It Geo, LLC**

New technologies can be daunting but are also an opportunity not to be missed for anyone who can leverage web and mobile mapping applications for their work. This mini-workshop is a 3-hour session to learn the basics of cloud-based, browser-based GIS tree inventory collection and data management and a variety of open source geospatial technologies. The session will include relevant examples whether you manage trees, park amenities, public works assets, an HOA, a zoo, or environmental data.

This course will begin indoors and introduce attendees to tree inventory and other data collection using GPS vs. GIS methods, online and offline modes, browser and web services technology, and training on data management on desktop, tablet, and smartphone web browsers.

The middle portion of the class will be outdoors in a predetermined area where participants will learn to access, navigate, view, edit, add, and manage tree and other data points in a map on the cloud from mobile and tablet devices and see data updates from all participants in real-time. Offline (disconnected) data collection and syncing when on Wi-Fi will be introduced. Attendees are encouraged to bring a web-enabled device or pair up with someone. They will learn how to digitize tree locations to create X/Y coordinates without using GPS, to select a base map tile source with varying leaf-on/leaf-off conditions, and ways to deal with sunlight issues on mobile screens.

Finally, the session will conclude indoors where newly collected data from the class will be discussed. Depending on available workshop facility resources, desk and laptops will be used to analyze, query, and export data to create a local copy in Excel and GIS format, and used to create custom data-driven reports and maps. The course will wrap-up with a Q&A discussion and available resources.

Attendees can explore the following applications ahead of time:

- <https://pg-cloud.com/hgv/> — an HOA GIS map with themes for trees, built infrastructure, and community assets for maintenance tracking
- <https://pg-cloud.com/tpDemo/> — sample tree inventory data with tools to add, edit, manage and run reports
- <https://pg-cloud.com/Milwaukee/> — Milwaukee County Parks & Zoo tree inventory app
- <https://pg-cloud.com/ACB/> — Alliance for the Chesapeake Bay “Project Clean Stream”
- <https://pg-cloud.com/Wachtel/> — local tree care and consulting firm, established 1935
- [https://pg-cloud.com/UW\\_Platteville/](https://pg-cloud.com/UW_Platteville/) — local university online tree map

11 a.m.–12 p.m.

## Municipalities SIG

**Adam Dorn, Facilitator**

The Wisconsin Municipal GIS User Group (MUGG) is a WLIA Special Interest Group. We seek to collaborate and learn how to make GIS better for Wisconsin Cities, Villages and Towns. Participation is open to anyone who directly or indirectly supports municipal GIS. Participation can take a variety of forms including the online group ([www.wlia.org/special-interest-groups/mugg/](http://www.wlia.org/special-interest-groups/mugg/)), the annual user group meeting, the municipal track at the WLIA Annual Conference, or one of the SIG meetings at WLIA events. Please check out videos from past Municipal GIS User Group meetings on the WLIA YouTube page ([www.youtube.com/user/WisLandInfo/](http://www.youtube.com/user/WisLandInfo/)).

11 a.m.–12 p.m.

## Registration continues

12-1 p.m.

## Lunch

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**THURSDAY, JUNE 1****1-1:15 p.m.****Opening Remarks**

Opening Remarks — Emily Champagne, WLIA President

**1:15-1:30 p.m.****Local Official Remarks**

Terry Dietzel, Land Information Officer, Fond du Lac County

**1:30-1:45 p.m.****WISE-Decade/Census Programs Update**

Tony Van Der Wielen, GIS Applications Team Manager, Legislative Technology Services Bureau

**1:45-2:15 p.m.****Legislative Update**Zach Nienow, Project Manager, Geospatial Services, Ayres Associates;  
Eric Damkot, IS Manager/LIO, Washington County**2:15-2:30 p.m.****Break****2:30-3 p.m.****How Many Calls Does it Take to Fix a Pothole?**

David Buehler, GIS Coordinator, City of Marshfield

The City of Marshfield has recently launched its GeoReporting System 2.0. The GeoReporting System is an in-house solution for reporting location based concerns, managing the event, and processing them for analytics to make better decisions. This presentation will cover each component of the system, successes and shortcomings, and general things to consider if you were to attempt this on your own.

**3-4 p.m.****Next Generation 9-1-1 (NG911) and Wisconsin GIS: Start the Conversation Now**

Panel Discussion with facilitator Justin Conner, Land Records Coordinator, Wood County; Andy Faust, Senior GIS Analyst, North Central Wisconsin Regional Planning Commission; Eddie Lau, Senior Solutions Architect, Emergency CallWorks; Brian Kreklau, Wisconsin Department of Administration; Cullen Peltier, Brown County Director of Public Safety Communications; Jessica Jimenez, Program and Policy Analyst, Wisconsin Department of Justice

Next Generation 9-1-1 (NG911) refers to an initiative aimed at updating the 9-1-1 service infrastructure to improve public emergency communications services in a wireless mobile society. Surrounding states have already completed or begun the process of implementing NG911, while Wisconsin still lags behind. Established by the State Interoperability Council (interop.wi.gov) in May 2016, a NG911 Workgroup set out to develop a strategic plan for NG911 implementation in Wisconsin. Even with a plan in place more questions than answers remain. One thing is clear, GIS is a mission-critical element of NG911. This panel will discuss the current effort to implement NG911, where it stands in Madison and potential impacts to the land information community.

**4-4:30 p.m.****Break****WLIA REGIONAL MEETING****HOLIDAY INN  
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**THURSDAY, JUNE 1****4:30–5:30 p.m.****LION Meeting (open to all)****Jeremiah Erickson, Chair, Land Information Officers Network (LION)****6:15–8:30 p.m.****Social Night – \$25 or Meal Only – \$15**

Join us for burgers and a fun game of FootGolf which is a combination of the popular sports of soccer and golf. The game is played with a regulation #5 soccer ball at a golf course facility on shortened holes with 21-inch diameter cups. The rules largely correspond to the rules of golf. 9 Holes of FootGolf will take approximately 1 hour and 15 minutes to complete. It will be held at Rolling Meadows Golf Course across the street from the Holiday Inn. There is also a cash bar available for beverages.

Here's a video of FootGolf: <https://youtu.be/QdSjECexZZY>

Please bring your soccer ball if you have one!

Food will be served from 6:15–7:30 p.m.

FootGolf will be played from 7–8:30 p.m.

You can register online at: [www.wlia.org/spring-regional-meeting/social-night/](http://www.wlia.org/spring-regional-meeting/social-night/)**FRIDAY, JUNE 2****8:30–9 a.m.****Registration****8:30–9 a.m.****Women in GIS SIG****Jennifer Borlick, GIS Manager at Rock County and Kelly Felton, Cartographer & LIO at Sauk County; Facilitators**

This special interest group was created to collaborate with and encourage women in GIS and other related fields in Wisconsin. This group is open to those who would like to work in those endeavors. While our group is mostly forum based, we are having this SIG meeting to allow members to meet face-to-face to share experiences and inspiration.

**9–9:30 a.m.****The Public Land Survey System and its Role in Parcel Mapping****Bryan Meyer, County Surveyor, La Crosse County; Brenda Hemstead, Data Services; Howard Veregin, State Cartographer, State Cartographer's Office**

The Public Land Survey System (PLSS) is the foundation for determining the location of nearly every property description in Wisconsin. Without a properly maintained network of PLSS corner monuments, there is increased risk of property disputes, inequitable taxation, disagreements about resource rights, confusion over easement locations, and unnecessary expenditures by private citizens and local governments. By law, remonumentation (re-establishment of monuments that have been lost or destroyed) and maintenance of the PLSS network is the responsibility of the county through the County Surveyor position. Wisconsin's PLSS landscape is diverse: some counties have full-time County Surveyors but many do not; some counties have completed PLSS remonumentation while others are still moving forward with that effort; some counties have integrated accurate PLSS corner data into their parcel map while others have not.

The overall purpose of this presentation is to explain the importance of PLSS to ensure accuracy in parcel mapping. The presentation has several parts to it:

- A discussion of the basic character of the PLSS as found in Wisconsin.
- Statistics and analysis of county PLSS remonumentation and maintenance efforts.
- Availability of survey-grade PLSS corner data at the county level and in PLSSFinder.
- Statistics on participation in the Wisconsin Land Information Program's Strategic Initiative Grants for Benchmark #4 (PLSS remonumentation and integration).
- The benefits associated with a statewide PLSS dataset.
- Educational and advocacy efforts of the Wisconsin "PLSS Work Group."

Participants will leave this session with a better understanding of PLSS and its importance to parcel mapping in Wisconsin.

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FRIDAY, JUNE 2

9:30-10:15 a.m.

## Data Collections that Stand the Test of Time: Thoughts on the management and accessibility of Geospatial Data

**Jaime Martindale, Map/GIS Librarian, Robinson Map Library University of Wisconsin–Madison**

This presentation addresses three primary themes centered on the management and accessibility of geospatial data. Experience in developing a significant collection of data at the University of Wisconsin–Madison has brought these notions to light: (1) there are benefits to centralized access to data, (2) metadata plays an important role in discovery of content online, and (3) the human role in the curation and preservation of data is an important one. Interleaved within the context of an academic data archive and coupled with the basic principles of digital data management in libraries, these themes may eventually provide useful discussion points as Wisconsin moves toward a statewide comprehensive solution to data access.

10:15-10:30 a.m.

## Break

10:30-11 a.m.

## Will WisconsinView get Trumped?

**Dr. Sam Batzli, Senior Information Processing Consultant, University of Wisconsin–Madison**

Since 2004 WisconsinView has received a modest grant from the USGS via AmericaView to help coordinate access to remote sensing imagery and educational materials for the State of Wisconsin. Over the years, the overall annual budget for WisconsinView has declined from 89k to 23.5k. The program runs mostly through good will and with good relationships among federal, state, regional, and local entities. Now under the current federal administration it faces complete elimination. AmericaView is not in the USGS portion of the President's budget. Fortunately, over the years, the program has leveraged other federal funding (NOAA and NASA) to keep data access alive. However, these agencies are also facing cuts. Meanwhile, the University gets less and less of its funding from the State. In 2015-2016, UW–Madison received only 15% of its funding from the State of Wisconsin. The future of free data access from WisconsinView is uncertain. Nevertheless, there are more ways than ever to get access to satellite imagery and aerial photography of Wisconsin through WisconsinView. This presentation will show how you can access an API or use WMS or WMTS to view NAIP and today's Landsat imagery in your browser, GIS application, or even on your phone. Perhaps it is time to charge for data, or pass the hat, or launch a "kick-starter." Suggestions for a future funding model for WisconsinView are welcome.

11-11:45 a.m.

## DOA Session — WLIP Program Plan Implementation

**Mike Friis, Program Manager; Peter Herreid, Grant Administrator, WLIP;**

**Jim Giglierano, Geographic Information Officer**

DOA will update on the status of revisions to draft 2018 Strategic Initiative grant benchmarks following the 2016 WLIP Survey, statewide parcel map development, collaboration with the UW–Madison Robinson Map Library to make more county data publicly available online, cooperation with the WLIC workgroup on a potential future geoportal/repository, and the status of current and future USGS 3DEP LiDar projects. There will be ample time for Q&A.

12-2 p.m.

## WLIA Board Meeting

2-4 p.m.

## WLIC Meeting

**Adam Derringer, Chair**

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# SPRING REGIONAL MEETING

## HOLIDAY INN FOND DU LAC

625 W. Rolling Meadows Drive, Fond du lac, WI 54937  
 920-923-1440 – call directly to make a room reservation  
<https://www.ihg.com/holidayinn/hotels/us/en/fond-du-lac/fldwi/hoteldetail>

## HOLIDAY INN EXPRESS HOTEL

55 Holiday Drive, Fond du lac, WI 54937 (located next door to Holiday Inn)  
 920-322-0460 – call directly to make a room reservation  
<https://www.ihg.com/holidayinnexpress/hotels/us/en/fond-du-lac/fldes/hoteldetail>

**LODGING RESERVATIONS:** Room rates at either hotel: \$82 single or double for Government attendees or \$102 single or double for non-government attendees. \*\*Note that the room rate includes a hot breakfast buffet at the hotel you choose. Reserve your room by calling the hotels directly and mention the WLIA room block when making a reservation.

\* **Make your room reservation by May 1 for best availability.** After that they will offer the group rate as long as rooms are available.

**TO REGISTER:** Please go online to register at <https://www.wlia.org/spring-regional-meeting/registration/> to register for the Regional Meeting, June 1-2, Fond du lac, WI

## REGISTRATION FEES

Thursday, June 1 and Friday, June 2	\$95 Member	\$110 Non-Member	\$15 Student
Thursday, June 1	\$65 Member	\$75 Non-Member	\$10 Student
Friday, June 1	\$35 Member	\$40 Non-Member	\$10 Student
Thursday Social Night — Rolling Meadows	\$25 Foot Golf and Meal	\$15 Meal Only	

**Register online at <https://www.wlia.org/spring-regional-meeting/registration/> and pay by credit card or check.**

Questions? Contact Ann Barrett, Executive Services Manager at [abarrett@uniontel.net](mailto:abarrett@uniontel.net) or 800-344-0421.