

WLIA FALL REGIONAL MEETING

“LAND INFORMATION: ANY TIME, ANY WHERE, ANY PURPOSE”

Thursday, October 9, 2014

8:30 a.m.

Registration

9:15 - 9:30 a.m.

Opening Remarks

Justin Conner, WLIA President

9:30 - 9:45 a.m.

Mobile Land Records Applications in Bayfield County

Jenifer Bratsch, Bayfield County

Bayfield County has developed, in partnership with North Point Geographic Solutions, two cross platform mobile applications to make land records more accessible to people in Bayfield County. The first, launched in the summer of 2013, is a mobile land records application that serves a variety of functions including allowing users to research property ownership, find tax records, and share GPS locations on social media sites, all from their mobile device. The second is an addressing application that is in the final stages of development. This application will be used by people applying for a new address in Bayfield County. The previous process involved filling out a paper application and generally several follow-up phone calls refining the building site location. With the new app, users can go to their future building site and utilized the GPS in the mobile device to pinpoint the building site and future driveway locations hopefully minimizing some of the follow-up phone calls.

9:45 - 10:00 a.m.

Mobile Mapping in the Northwoods

Adam Grassl, Vilas County

Since mobile devices saturate the landscape, why not put them to work? Here you will be shown how the Vilas County Mapping Department has made their offerings mobile-friendly, from a mobile-optimized website to data collection using Collector for ArcGIS.

10:00 - 10:15 a.m.

Putting Maps and Apps to Work for You

Lyn Pilch, Pilch & Barnet

Learn how Vilas County harnessed the power of maps, Apple iOS and state grant funding to create a simple but powerful app for trail users. The free, easy-to-use Map It Vilas County Trails App has helped to set Vilas County apart from other trail destinations in the Midwest by offering trail users a one-stop, totally mobile information source for the county's 58 different trails. Find out how they did it – and what they're planning to do next.

10:15 - 10:30 a.m.

Batch Geocoding with Free Services

Andy Faust, NCRPC

Geocode addresses with Google, BatchGeo and others.

10:30-10:45 a.m.

Break

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

WLIA REGIONAL MEETING

HEIDEL HOUSE RESORT
IN GREEN LAKE, WI

OCTOBER 9-10, 2014



THURSDAY, OCTOBER 9

10:45 - 11:00 a.m.

ArcGIS Online – Migrating Municipalities and Private Organizations to the Web

Jon Schwichtenberg, GRAEF

Jon will demonstrate how the University of Milwaukee is beginning to use ArcGIS Online for facilities management. He will also discuss and demonstrate how small municipalities are taking advantage of the flexibility and manageability of ArcGIS Online accounts to manage their facilities. Jon will go through each setup, what was completed, how they are using it and what they expect in the future.

11:00 - 11:15 a.m.

Field Inspections with the ESRI Collector App

Felipe Avila, City of Fitchburg

With ArcGIS on line it is now quite easy to access data that can be useful in the field. With the collector app by ESRI it is now possible to take an iPad or iPhone and access the on line data and edit it for keeping track of maintenance or reporting projects. In Fitchburg we have loaded storm sewer outfalls and sidewalks to do field inspections. The outfall inspections also serve to meet reporting requirements for our MS4 discharge permit. Felipe will show how easy it is to take the posted data and do field inspections with an iPad, and to add missing features that may need to be added to the database.

11:15 - 11:30 a.m.

Using Open Source Software for Mobile Data Collection

Andy Faust, NCRPC

Are you on a tight budget but need to collect data in the field? This presentation will show you how you can use an Android phone or tablet to collect data and integrate it with your existing GIS system or a Google mashup. Collect information that is stored on your device and then sent over the air to a central server. If you have people in the field that need to collect locational information and tie that back to your GIS this presentation is for you.

11:30 - 11:45 a.m.

Desktop to Mobile Using AGOL

Jennifer Tovar, Town of Greenville

In 2010, the Town of Greenville surpassed the population milestone of 10,000. With only a single GIS staff member, the Town was challenged to search for a method that would expand the functionality of their existing GIS in order to provide field workers with tools to run more efficiently. They needed a method to distribute their current geospatial information to their field workers for viewing and updating purposes as well as provide them a way to collect new infrastructure data. ArcGIS Online was selected because of its ability to spatially analyze and distribute data efficiently while providing a low-cost solution. It was decided to partner with GISinc and utilize their ArcGIS for Local Government Jumpstart Package. This presentation will discuss the challenges, solutions, results, and future plans the Town has using ArcGIS Online.

11:45 a.m. - 12:00 p.m.

Wisconsin Coastal Guide

David Hart, Wisconsin Sea Grant Institute

Interactive map for coastal heritage tourism. The app is built on open source platform.

12-1 p.m.

Lunch (included)

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THURSDAY, OCTOBER 9

1-2:00 p.m.

Polaris: Trail & Routes Mobile Applications**Bob Krostue, Polaris Industries Trail Ambassador, RiderX**

Across the country, thousands of snowmobilers are using the Polaris RiderX Snow Trails App and giving it outstanding reviews. Using a smart phone or other mobile device, they are able to find new places to ride and plan trips. It also encourages non-members to join local clubs and state organizations. While out riding, the app shows your GPS location on designated trails and open riding areas, plus live weather radar, snow depth, local food, fuel and lodging, and the nearest Polaris dealers. Using the built-in GPS capability, you can also track and save rides to share with friends by email and other social media.

2-2:45 p.m.

This is Not Your Father's Open Source**Paul Wickman, Flat Rock Geographics**

If you still hold the perception that you must choose between Esri or open source then listen up! After opening with a summary of the recent FOSS4G 2014 in Portland, OR Paul will describe how certain commercial grade open source software compares to and fits into the Esri stack (GeoServer/PostGIS, ArcGIS Server/ArcSDE, etc.). He'll end by reviewing specific open source tools that Esri produces and contributes to.

2:45 - 3:00 p.m.

Break

3- 3:30 p.m.

Eyes in the Sky: The Promise and Challenges of Small Unmanned Aerial Vehicles (UAVs) for Applied Research**Dr. Eric Compas, UW-Whitewater**

Wondering if you should jump into the "drone" fray? This spring, our campus received Wisconsin Space Grant Consortium funds to explore the use of low-cost UAVs for producing high spatial and temporary imagery. We'll discuss the choices we've made in buying and building drones and the initial results of our experimentation with imagery and software. We'll also talk about the legal challenges of researching with drones and status of current FAA regulation. Of course, we'll also have a couple of drones on hand to look over and discuss how this (amazing!) technology works.

3:30 - 4:15 p.m.

UAS for Research: Doing it right, doing it safely**Dr. Joe Hupy, UW-Eau Claire**

Unmanned aerial systems (UAS) are increasing in use and importance within the scientific research community. With that increasing popularity, however, comes an increasing amount of controversy on how these platforms are being used, and will see use in the future. Therefore, it is of the utmost importance that a proper set of safety procedures and protocols are met when acquiring data with a UAS. This presentation will go over the components of a UAS, detailing the need to maintain multiple fail-safe redundancies in both the UAS platform, and in the team operating the unit. Strong emphasis will be placed on the difference between Radio controlled (RC) flight operation and autonomous flight operations.

4:15-5:15 p.m.

LION Meeting**THURSDAY EVENING EVENT**5:45-6:30 p.m. **Dinner on your own**7:15-9:00 p.m. **Lawn games; BYO beverages; Bonfire; Networking (no charge)****WLIA REGIONAL MEETING**HEIDEL HOUSE RESORT
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FRIDAY, OCTOBER 10

8:30 - 9:15 a.m.

Real World Examples of Commercial Grade Open Source

Paul Wickman, Flat Rock Geographics

In a more in depth technical discussion Paul will presented real examples on how easy it has become to employ open source tools such as TileMill, MapBox and CartoDB and how they can successfully integrate with the Esri platform.

9:15 - 9:45 a.m.

Multi-Jurisdictional GIS & Asset Management - A New Approach to an Old Problem

Cristina Richards, Ozaukee County and Scott Daniel, Ruekert & Mielke

As government continues to deal with budget constraints, staff reductions and the demand for expanded services, one Wisconsin County has found a way to share the investment they have made in the development of a web-based GIS. By hosting local municipal data and providing the ability for each City, Village, and Town to develop online tools to manage their infrastructure assets, Ozaukee County recently launched a "one-of-a-kind" GIS web application for their county staff and 6 local municipalities. With instant and remote access to various geographic layers and assets – such as utilities, trees, signage, zoning, documents, inspections, etc. – county and municipal staff are able to respond more quickly, and with more accurate information, to inquiries by citizens or department staff. A special viewer with limited datasets is also available for public access. This presentation will review the process the county went through to gain financial and management support, and a "live" demonstration of the application and the various online tools.

9:45 - 10:00 a.m.

Break

10:00 - 11:00 a.m.

Making Census Data More Accurate in Wisconsin

Tony Van Der Wielen, Jim Beaudion, Ryan Squires, Grace White- Legislative Technology Services Bureau

The Legislative Technology Services Bureau has created a utility to streamline the US Census Boundary Annexation Survey (BAS) and data submission process. The BAS program is intended to collect annexations, and update existing boundaries in the US Census Bureau's municipal dataset. The utility allows the users to input high accuracy local municipal boundary data, automatically create/attribute the required change layer, assist in finding annexations unknown to Census, and enter the required documentation. The output is a zip package that only needs to be submitted to the US Census Bureau. This session will demo the software, provide information on the BAS and Consolidated BAS (CBAS) and will answer any question about overall statewide participation and project goals.

11:00 a.m. - 12:00 p.m.

Getting Data Under Control: Mapping and Exploiting Your Imagery and Point Clouds

Brandon Tourtelotte, Hexagon Geospatial

With so much Geospatial data available, it is critical to solve the issue of scattered, underutilized, and redundant data. This presentation will describe many of the issues to be considered in any strategy to efficiently centralize, manage and deliver volumes of geospatial data to a large audience.

12:15 - 2:15 p.m.

WLIA Board Meeting

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TO REGISTER: Please use this form or go online to register at <https://www.wlia.org/fall-regional-meeting/registration/> or email abarrett@uniontel.net or fax: 715-366-4501 to register for the Regional Meeting, October 9-10, Green Lake, WI



HEIDEL HOUSE RESORT

643 Illinois Avenue, Green Lake, WI 54941
800-444-2812 or (920) 294-3344
<http://heidelhouse.com/>

LODGING RESERVATIONS: Room rates: \$70 single/\$99 double for Government attendees or \$89 single/\$109 double for Non-government attendees. Reserve your room by calling 800-444-2812 and mention the WLIA room block when making a reservation. They are also offering our group rate 2 days pre and post meeting dates based on availability. ***Make your room reservation by September 12th for best availability.** After that they will offer the group rate as long as rooms are available.

DIRECTIONS TO HEIDEL HOUSE RESORT:
<http://heidelhouse.com/>

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REGISTRATION FORM

NAME _____ TITLE _____

ORGANIZATION _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

PHONE _____ COUNTY _____

EMAIL _____

Thursday and Friday, October 9-10

\$95 Member

\$110 Non-Member

\$15 Student

Thursday, October 9

\$65 Member

\$75 Non-Member

\$10 Student

Friday, October 10

\$35 Member

\$40 Non-Member

\$10 Student

Thursday Evening - free this time!

\$0 Member

\$0 Non-Member

PAYMENT OPTIONS

Please make check payable to WLIA; and mail to WLIA, P.O. Box 389, Wild Rose, WI 54984 or pay by credit card:

CREDIT CARD

Fill in information, mail to WLIA or fax to: 715-366-4501: Visa MasterCard American Express

Cardholder Name _____

Credit Card Billing Address _____

Number _____ CVV No. _____ Exp. Date _____

Signature _____

Amount \$ _____

Cancellations: You may cancel by Friday noon, October 3, 2014 for a full refund. After October 3 there are no refunds.

Questions? Contact Ann Barrett at 800-344-0421 or abarrett@uniontel.net

WLIA may record or tape presentations at this meeting. You may be recorded and this may be publicized.