



# Wisconsin Land Information Association

## Fall Regional Meeting Agenda

• October 20 & 21, 2009 • Florian Gardens Banquet Facility, Eau Claire, WI •



### Cross-Jurisdictional GIS Cooperation

#### Agenda: Tuesday October 20<sup>th</sup>, 2009

8:00 - 8:45 **Registration**

8:45 **Opening Remarks**

*Presented by Andrea Fagan*

9:00 - 9:20 **Keynote: Maximizing the Benefits of GIS in an Era of Limited Resources**

*Speaker: Gregg Moore, Eau Claire County Board Chair and Chair of Wisconsin Geographic Information Coordination Council*

Geospatial data and technology are critically important for meeting societal needs and improving our quality of life. Policy makers struggle to promote and support GIS initiatives while coping with on-going budgetary and economic challenges.

9:20 – 9:45 **Introduce new State Cartographer**

*Speaker: Howard Veregin, State Cartographer*

Please welcome the new Wisconsin State Cartographer Howard Veregin. Howard will provide his views on GIS and LIS as well as his vision for the State Cartographer's Office.

9:45 - 10:15 **Developing decision support systems across a multi-jurisdictional landscape**

*Speaker: JC Nelson, USGS - LaCrosse*

The ability to work in an environment that fosters data exchange and integration is an ideal setting for any scientist. The Upper Mississippi River is an excellent example of such an area. The area is managed by federal, state, local, authorities as well as having a very strong non-profit stakeholder influence. In all cases, data management techniques, data collection processes, data sharing policies and data completeness differ. This makes for developing a scientifically based decision support system very difficult. Efforts around the region including the Wisconsin GIS Inventory and the USGS Geospatial Liaison program are helping bridge the data barriers that were and are being faced.

10:15 – 10:30 **Break**

10:30 – 11:15 **Revolution Underway: The GIS Driven Transformation of Emergency Preparedness and Response in Minnesota**

*Speaker: Steve Swazee co-chair of the Emergency Preparedness Committee of the Minnesota Governor's Council on Geographic Information*

During the past two years, membership of the Emergency Preparedness Committee (EPC) of the Minnesota Governor's Council on Geographic Information has grown from 17 to 175 as individuals from the GIS, Emergency Management (EM), and Public Safety (PS) communities have joined forces to harness the revolutionary capabilities of GIS for emergency preparedness and response. This lecture will review the diverse and significant ways this geospatial effort is being implemented: promotion of the U.S. National Grid, delivery of specialized training programs for GIS and EM/PS professionals, progress on a FGDC structures grant, creation of a GIS virtual work environment using social networking tools, standup of a GIS Go Team, and development of a Minnesota Common Operating Picture. By collaboratively building on these efforts, Wisconsin and Minnesota could create cross border geospatial cooperation that meaningfully helps their respective EM/PS communities.

11:15 – 12:00 **PSA HIFLD to the Region**

*Speaker: Tony Adduci, HIFLD*

Tony will provide background information on the Homeland Infrastructure Foundation Level Data Working Group (HIFLD) and its support to the Protective Security Advisors (PSA) located throughout the United States and what it means to state and local government. Tony will discuss the support functions, which include GIS data collaboration and exchange, homeland security and emergency preparedness functions, support



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during disaster responses and vulnerability assessments of Critical Infrastructure/Key Resources (CIKR). These support functions are provided to federal, state and local government agencies as well as private industries.

12:00 – 1:45

### **Lunch (included) & Town Meeting / Committee Updates**

1:45 – 2:30

### **How GIS Spans Boundaries to Protect One of the World's Premier Freshwater Estuaries**

*Speaker: Patrick Robinson UW-Extension & Mike Koutnik ESRI*

On May 30, 2008, Governor Doyle announced that he had nominated the St. Louis River estuary area, near Superior, as the 28<sup>th</sup> National Estuarine Research Reserve (NERR). The Wisconsin Lake Superior NERR will become the second fresh-water site in the NERR system, administered by the National Oceanic and Atmospheric Administration (NOAA). This presentation will first introduce you to the Wisconsin NERR, and how inter-organizational cooperation is vital to a NERR's success. You will then learn about how GIS supports the development and operations of the NERR, and how GIS use facilitates cooperation.

2:30 – 3:00

### **Break**

3:00 – 3:45

### **Building the Case for a Wisconsin Coastal Atlas**

*Speaker: Dave Hart GIS Specialist UW Sea Grant Institute*

While Wisconsin has long been applying geospatial technologies to coastal issues, we are only beginning the process of building a coastal web atlas (CWA). Over the past 15 years, the University of Wisconsin Sea Grant Institute in collaboration with the Land Information and Computer Graphics Facility at UW-Madison have developed many coastal GIS applications and experimented with several platforms for web mapping and spatial data catalogs. The Wisconsin Coastal GIS Applications Project (<http://coastal.lic.wisc.edu/>) has yielded many benefits, but it is not taking full advantage of current "Web 2.0" technologies. Because of the emergence of CWAs, it is now a good time to extend coastal GIS beyond a campus research and outreach project to a broader platform for discovering, accessing, integrating, and utilizing coastal geospatial data in Wisconsin. This presentation will explore the evolution of coastal GIS in the state; examine the benefits and drawbacks of the different web mapping/spatial data catalog-portal approaches we have developed; and share our strategy for building a coastal web atlas.

3:45 – 4:30

### **GIS Wildfire Management – Cross Jurisdictional Partnerships and Applications**

*Speaker: John Hintz, DNR Area Forestry Staff Specialist and Justin Conner, GIS Specialist, Wood County*

Annually, wild fires pose a threat to human life, property, and natural resources in the state of Wisconsin. To effectively plan for and respond to wildfires the Department of Natural Resources Bureau of Fire Protection works with a variety of partners including municipalities, local fire departments, and County agencies. One critical tool in planning and responding to wild fires is a countywide emergency atlas that is used in all aspects of fire response. The atlases provide a base map that shows roads, structures, emergency management zones and a variety of other information. This presentation will focus on the cooperative effort of the Wisconsin Department of Natural Resources and Wood County to create an emergency atlas, and how this effort has led to other cooperative efforts that have ultimately improved the safety of Wood County residents. This project has positioned the DNR and the County for future cooperative efforts and partnerships, and resulted in the creation of an award winning emergency service atlas.

4:30

### **LION Meeting**

4:30 – 7:00

### **ADC Reception**

Location: The Reception will be held at the Florian Gardens Banquet Facility, located within walking distance of the Metropolis Hotel one block away at 2340 Lorch Ave.



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### Agenda: Wednesday October 21st, 2009

7:30 – 8:30

#### Committee Meetings

7:45 – 8:30

#### Registration

8:30 – 9:00

#### Parcel Task Force Findings and Final Recommendations

*Speaker: Doug Avoles Vernon County LIO and Bill Cozzens Waukesha County*

The WLIA Parcel Task Force has been working over the past two years to examine the need for a parcel data exchange model(s) between local custodians and WI State Agencies. This effort has consisted of examining general trends toward using a standard exchange model by other states, assessing WI State Agency parcel data needs, developing a set of recommended best practices, and most recently working with the State GIO on the set-up of a parcel data repository. A final report is being drafted and the Task Force presentation will highlight key points as well as present a list of tasks that need to be accomplished in order to make the State parcel data repository a sustainable success.

9:00 – 9:30

#### Wisconsin Geospatial Data Repository

*Speaker: Erik Mickelson and Lee Samson - Office of the GIO, Wisconsin Department of Administration*

The Wisconsin Spatial Data Repository is a new facility for aggregating, integrating, and distributing statewide geospatial data. This presentation will provide an introduction to the cooperative development of this resource, discuss the continuation of WLIA Parcel Data Task Force efforts in the form of emerging Repository services, and explore operational relationships across the State of Wisconsin's many jurisdictions, data custodians, data consumers, and statewide geospatial sharing resources.

9:30 – 9:45

#### Break

9:45 – 10:30

#### Using Grassroots, Standards-Based GIS to Support Cross-Jurisdictional Activities

*Speaker: Ron Bruder Applied Data Consultants and Levi Felling Applied Data Consultants*

Most programs established to promote common geospatial operational and data standards are driven by broad, top-down initiatives that include lofty, inaccessible goals requiring unrealistic stakeholder input and cooperation. This session will explore some of the ways in which the implementation of basic GIS standards, such as WMS and WFS, can and has served as a successful component of cross-jurisdictional cooperation.

10:30 – 11:15

#### GIS in the "Cloud:" Web 2.0 and Other Emerging Trends

*Speaker: Mike Koutnik, ESRI*

Ubiquitous web mapping. Crowd sourcing. Cloud computing. Software-as-a-Service. Social media. Shared services. What does it all mean? And what does it mean for GIS? This presentation will first explore two important emerging complimentary concepts in computing: Cloud Computing and Web 2.0. We will then discuss how GIS can leverage these concepts and how GIS will evolve as a result.

11:15 – 11:30

#### Break

11:30 – 12:00

#### The State of Web Mapping Services in Wisconsin

*Speaker: Jerry Sullivan, Wisconsin DNR*

Environmental planning requires integration of diverse geospatial data which rarely lies within a single jurisdiction. This paper reviews the state of Arc Internet Map Server, ArcGIS Server, other web mapping, Open Geospatial Consortium Web Mapping Services (WMS), and OGC Web Feature Services (WFS) to support environmental planning throughout Wisconsin. Reviewed sites included *all discoverable* county, regional planning commission, state agency, federal agency, and university sources.

12:00 – 3:00

#### WLIA Board of Directors Meeting



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### Registration Sheet

**To Register:** Please email Ann Barrett at: [abarrett@uniontel.net](mailto:abarrett@uniontel.net) or fax: 715-366-4501 or call: 800-344-0421 to register for the Regional Meeting October 20<sup>th</sup> & 21<sup>st</sup> in Eau Claire, WI. Please indicate which days you plan to attend on registration sheet\*.

**Lodging Reservations:** WLIA has a block of rooms on Monday and Tuesday, October 19th & 20th for \$70 single or double. To make your hotel room reservations, please call the hotel directly at: 1-888-861-6001 and mention you would like to book a room from the WI Land Information Association block. Their web site is: <http://metropolishotel.com/>

**Directions to Metropolis Hotel:**

5150 Fairview Drive, Eau Claire, WI 54701 <http://metropolishotel.com/index.cfm?event=driving>

**Meeting Room Location:** All meetings both days and the ADC reception will be held at the Florian Gardens Banquet Facility which is located within walking distance of the Metropolis Hotel or one block away at: 2340 Lorch Avenue Eau Claire, WI 54701 <http://www.thefloriangardens.com/>

**Cost:** Make check payable to WLIA and mail to: WLIA, P.O. Box 389, Wild Rose, WI 54984. Check must arrive prior to October 15<sup>th</sup> or you may pay by MasterCard or Visa below.

**Cancellations:** You may cancel by Friday noon, October 16<sup>th</sup> for a full refund. After October 16<sup>th</sup> there are no refunds.

**REGISTRATION FORM:**

Name \_\_\_\_\_

Title \_\_\_\_\_

Organization \_\_\_\_\_

Address \_\_\_\_\_

City, State Zip \_\_\_\_\_

Email \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

**CHECK ATTENDANCE\*:**

October 20 <sup>th</sup> , Tuesday Meeting	<input type="checkbox"/> \$60.00 member	<input type="checkbox"/> \$70.00 non-member	<input type="checkbox"/> \$10.00 student
October 21 <sup>st</sup> , Wednesday Meeting	<input type="checkbox"/> \$25.00 member	<input type="checkbox"/> \$35.00 non-member	<input type="checkbox"/> \$10.00 student

**PAYMENT:**

Please make check payable to WLIA  
OR

MasterCard or  Visa

Card Number \_\_\_\_\_ Exp. Date \_\_\_\_\_ Signature \_\_\_\_\_

Total Amount \$ \_\_\_\_\_