

Southeastern Minnesota GIS Users Group

Meeting Minutes

Cascade Meadows Environment Science Center, Rochester MN, October 6 2016 9:00-12:00 pm

Attendees:

Alan Laumeyer – Goodhue County
Leanne Knott – Goodhue County
Dan Ross – MnGeo
Kate Meixell – OPU
Ben Ogren – WSB & Associates
John Ebert – St. Mary's University
Hannah Hutchins – GSS
Christy Shostal – City of Rochester
Greg Roemhildt – City of Faribault
Kurt Berge – People's Energy Co-op
Jessica Brennan – Dodge County
Steve Wolf – Olmsted County
Josh Pankratz – Mayo Clinic

Greg Bauer – Olmsted County
Greta Poser – St. Mary's University
Dave Wavrin – OPU
Michelle Trager – Rice County
Dan Krzoska – Houston County
Marty Mollenhauer – Winona County
Jay Forstner - RPU
Matt Sapola – Olmsted County
Joey Nadeau – Winona County
Nick Flatgard – Steele County
Ryan Moore - RPU
Gordon Robertson - RPU
Brian Stemper – US Fish & Wildlife

9:30 am Meeting Started

Windom Park Historic Residential District

Hannah Hutchins – St. Mary's University of Minnesota

- Hannah Hutchins presented on her Masters of GIS graduate capstone project which explored which Esri Story Map application template is most effective in increasing the public's awareness and knowledge on the Windom Park Historic Residential District in Winona, MN. The presentation included information on the three measures used, including education, function, and design. As part of her project she worked as a GIS intern for the Winona Heritage Preservation Commission.
- Hannah described both spatial and non-spatial data utilized in the project, including data layer features and historic archive materials.
- The two templates utilized in the analysis were the Esri Story Map Journal and Esri Story Map Series. Surveys gathered public feedback and different site usage. Statistical testing was utilized to quantify and contrast survey responses.
- Hannah gave a demonstration of both Story Map web applications to demonstrate the different features. Her analysis showed that both were effective for increasing public awareness and support of historic preservation.

REP Data Exploration Portal

Josh Pankratz – Mayo Clinic

- Joshua presented on the new Mayo Clinic REP web interface for exploring correlation between medical conditions, summarizing data by age and county boundaries.
- The REP site is intended to centralize patient record data and provide a more complete picture of all health care delivered to a single individual.
- GIS efforts within REP include emergency room admission analysis, HPV vaccine rate analysis, linkage of socio-economic and Census data, and a public Data Portal to explore correlations between diseases.

Connecting Communities with GIS

Marty Mollenhauer & Joey Nadeau – Winona County

- Marty Mollenhauer and Joey Nadeau presented on recent community web applications they have developed for Winona County including their 'Hot Jobs, Cool Companies' Story Map application and 'Invasive Species Top 5 Most Wanted List' application.
- 'Hot Jobs, Cool Companies' app was created to connect local employers with students and job seekers.
- Partners included the Winona Chamber of Commerce and Winona State University.
- Next steps include incorporating WSU, enhancing the map with video content, and broaden their reach to other business groups.
- 'Invasive Species Top 5 Most Wanted List' app was created to inform citizens about priority invasive species in Winona County and how to combat them.
- Partners included the MN Department of Agriculture, MN DNR, and the University of Minnesota Extension.
- Next steps include twice yearly revisions and updates to incorporate real-time updates from EddMAPS using Python.

Using GIS on a National Wildlife Refuge

Brian Stemper – Fish & Wildlife Service

- Brian Stemper presented on how GIS is being utilized in the National Wildlife Refuge System. The refuge is located along the Mississippi River corridor from Minnesota through Illinois.
- The Refuge's GIS staffing capabilities include a Biologist at Headquarters, 4 district biologists, other Refuge staff and summer hires along with support from the Regional Office in the Twin Cities and UMESC/USGS in Onalaska, WI.
- Geospatial services include data support for information associated with projects, refuge operations, acquisitions, biological surveys, habitat management, and visitor services.
- Brian described a GIS use case for right-of-way projects within the Refuge, including assessing critical habitat types and possible mitigation efforts.

- USFWS Geospatial Services Internet Site provides access to data, maps, tools, metadata, standards, applications, and policy.

Rice County Move to Free and Open Data

Michelle Trager – Rice County

- Michelle Trager presented on Rice County's move to provide free and open geospatial data in its native electronic format for no charge. Data consumers would not be required to sign a license agreement to access and use the data.
- Some of the benefits include transparency of government and improved public services, better use of county staff time and resources, fostering entrepreneurship and open development, proactively meeting demand for data, and making authoritative data the default 'norm'.
- Timeline for free and open data administrative approval spanned August 2015 to August 2016 and included a presentation to the County Board and feedback from the County Attorney's office.
- Data resources will soon be hosted on the Minnesota Geospatial Commons web portal.

Statewide Update

Dan Ross – MnGeo

- State GIO Dan Ross shared MnGeo's topics and priorities including legislative efforts, Geospatial Commons, NG911 update, Parks and Trails websites, statewide data collections, drainage records modernization, master contract for aerial imagery, and state archeologist web application.
- Minnesota Geospatial Advisory Council
<http://www.mngeo.state.mn.us/councils/statewide/>
Committees are always looking for more volunteers.
- DNR Buffer Map
- <http://dnr.state.mn.us/buffers/index.html>
<http://arcgis.dnr.state.mn.us/gis/buffersviewer/>
- MnGeo Priority Projects and Initiatives Update
http://www.mngeo.state.mn.us/councils/statewide/MnGeo_Priorities_2016-06-01.pdf
- Minnesota GIS/LIS
<http://www.mngislis.org>
Committees are always looking for more volunteers.
- K-12 Education
http://education.state.mn.us/MDE/SchSup/SchTech/GISinK-12/MDEDEV_004345
K-12 Map Contest: <https://sites.google.com/site/minnesotamapcontest/prize-maps>

- Fall GIS/LIS Consortium State Conference – Duluth, MN October 26-28

Michelle Trager will be hosting the next Southeastern MN GIS Users Group Meeting Thursday, February 23rd at Rice County offices in Faribault.

12:00 pm Meeting Adjourned

**** Members are encouraged to present at a future meeting and to offer suggestions of vendors or other agencies to present. Please contact a Steering Committee member or the next meeting's host if you are interested in presenting.**

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