ILGISA SPRINGFIELD REGIONAL MEETING
AUGUST 18, 2014
AGENDA

8:30 – 9:30 AM
Registration/Check-in

9:30 – 10:15 AM
Session 1
• Embracing ArcGIS for Local Government – ArcGIS Online with Javascript
  The Delaware County Ohio Auditor’s office recently replaced their legacy ArcIMS public GIS viewer with a state of the art ArcGIS for Local Government solution. This involved the implementation of an ArcGIS Online for Organizations portal and the development of a JavaScript web application which boasts a responsive design, making it suitable for both PC and tablet use. The web application is entirely configured using ArcGIS Platform applications. The underlying data is stored in an extended version of the ArcGIS Local Government Information Model and presented using a modified ArcGIS Local Government Basemap. This presentation is a high level explanation of the system architecture and exploration of the ongoing benefits that have resulted from embracing ArcGIS Online and the Local Government solution resources.
  
  Matt Bryant, Bruce Harris and Associates

10:15 – 10:30 AM
Break

10:30 – 11:15 AM
Session 2A
• Python / ArcPy Examples
  1. Building dynamic tables for each page in Data Driven Pages Project
  2. Fixing broken data sources for all mxds
  
  Burt McAlpine, JULIE Inc.

Or

Session 2B
• Applying Technologies to Enable Effective Decision-Making: A Summary of the CAPSTONE-14 Earthquake Exercise
  In June, the Illinois Emergency Management Agency participated in CAPSTONE-14, a regional, multi-state exercise designed to test response and recovery capabilities following a major New Madrid Seismic Zone (NMSZ) earthquake. IEMA developed their Virtual Business Emergency Operations Center dashboard application to provide a portal for public and private sector partners and configured GIS situational awareness tools into a regional common operating picture. Learn how this dashboard and other emergency response tools (WebEOC, Flexviewers, ArcGIS Online) were used to gather and share information regionally.

  Pamela Brooks and Mike Stehn, Illinois Emergency Management Agency

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11:30 AM – 12:15 PM
**Session 3:**
- **ArcGIS Online As a Daily Tool**
  Until recently most Esri customers have seen an ArcGIS Online Organization as a luxury that they will never have, or at least something that isn't a normal part of their day. With Esri's new 'entitlement' policy opened the door for users moving into an online world that before had been not attainable. Or if you already have ArcGIS server, hear about the hybrid approach. Find out how normal people can use ArcGIS Online (it's more than just cool vacation maps) and how you can light up your organization with it.
  *Micah Williamson, Cloudpoint Geographics*

12:15 – 1:15 PM
Networking Lunch

**AFTERNOON CONCURRENT SESSIONS**

1:30 – 2:15 PM
**Session 4A**
- **Cartography - Moving past the defaults**
  Talk with illustrations and examples; will cover easier topics such as page sizes and setting up templates, setting up styles, style files and layer files to use with symbology. More advanced topics will cover using Microsoft Excel files in a map as a table, Data Driven page and exporting to PDF. Finally, some tips and tricks to try when things don't go as they should.
  *Robb Schuldt, DuPage County GIS*

Or

**Session 4B**
- **Be a Geo-Mentor or Trainer for GIS**
  With recent improvements to ArcGIS Online and the (free) K-12 license for basic and professional GIS software in IL, IGGIE needs help. The Illinois Geography and Geospatial Initiative for Education, working cooperatively with ILGISA and the Illinois State Board of Education/Illinois Virtual Schools, would like to provide training and mentoring opportunities for Illinois educators and students. The software is available and the technology integrates with curriculum, but teachers are not trained in the basics of GIS. No educational experience is needed - just your expertise as a GIS professional or practitioner. Even after basic training, educators will need further support for using the technology and be in need of a mentor. Find out how you can be part of the solution to this growing need.
  *Judith Bock, Illinois Geography and Geospatial Initiative for Education (IGGIE)*

2:15 – 2:30 PM
Break

2:30 – 3:15 PM
**Session 5A**
- **GIS Internships**
  This session targets how community colleges/universities are working to assist emerging and developing geospatial organizations with both human and technical resources in meeting industry demands. Specific themes will highlight Lake Land College's internship program and how local industries are leveraging GIS interns and software resources in meeting emerging demands for growing geospatial technical applications, services, and data development.
  *Mike Rudibaugh, Lake Land College*
• 3D Elevation Program
The 3D Elevation Program (3DEP) initiative is being developed to respond to growing needs for high-quality topographic data and for a wide range of other three-dimensional representations of the Nation's natural and constructed features. The primary goal of 3DEP is to systematically collect enhanced elevation data in the form of high-quality light detection and ranging (LiDAR) data over the conterminous United States, Hawaii, and the U.S. territories, with data acquired over an 8-year period. Interferometric synthetic aperture radar (IFSAR) data will be collected over Alaska, where cloud cover and remote locations preclude the use of LiDAR over much of the State. The 3DEP initiative is based on the results of the National Enhanced Elevation Assessment.

Shelley Silch, US Geological Survey

Or

Session 5B
• Imposing Order on an Unruly Database
Over time, our main versioned database grew by leaps and bounds, becoming unwieldy, unruly and just plain too big to handle. To up the complexity factor, we have multiple databases on several different servers, some versioned, some not, one outside the firewall for external editing, and no one knew how many duplicate feature classes. Oh, and we have services, many, many services on the ‘net. Follow the organizational logic, restrictions and simple practicalities we employed to wrangle, re-organize - our primary database into new and supremely manageable databases.

Mary Elliott, DuPage County