

AIMS Coordinators Meeting Minutes

October 14, 2010

Host: City of Shawnee

Location: Shawnee City Hall meeting room

Announcements:

The next Coordinators meeting will be November 18th at ESRI [ESRI Offices at 8700 State Line Road, Leawood](#)

October 25th there is a Managing Imagery in ArcGIS 10 presentation from 2-4pm by ESRI held at the MARC offices. Please RSVP to Brian Parr if you are interested in attending this event.

October 26th ESRI is hosting an ArcGIS 10 rollout session all day at the Overland Park Marriott. Registration is required for this event. <http://www.esri.com/events/seminars/arcgis10/index.html>

Presentations:

Doug Hemsath

Changes with ArcGIS 10:

Desktop:

There is a new License manager that needs to be installed. One of the enhancements with this is the ability to "Check out" a concurrent license for a certain amount of time that can be used on a stand-alone device such as a laptop that does not have to be connected to the license server to run ArcGIS.

VBA still works at 10, but is a separate install, and requires you to call ESRI to get it added to your license file in order for it to work. The replacement for VBA is Add-ins. Along with this, there is a new location for the ArcMap Normal.mxt. They have added a Desktop 10.0 folder into the normal location in the User Profile.

Add-ins are developed in Visual Studio with the Desktop development tools. There is a wizard to get the xml file part set up with new toolbars, and buttons. You can copy and paste your VBA code into the code behind of the Add-in, but some modification will be required, mostly because of changes between how things are in VBA verses VB.NET.

If you are still using the win32com way of creating the geoprocessing object or if you like the pythonwin editor better than IDLE, python doesn't come installed with the pythonwin extensions. They are included in the installation media, but you have to actually install them manually. Older scripts should run as is, except that you may have to modify some paths to toolboxes, and other ArcGIS system things because they have added a "Desktop 10.0" folder into the default install path for most things.

Server:

Shawnee has not yet played with Server. It was noted that if you are running security on any folders, that has to be recreated, and again they have added a new 10.0 folder to the mix, so service definition files have to be copied over manually for them to be in the correct place. It was also noted that the post install upgrade doesn't seem to like large cache directories. This can be remedied by copying those to another location, run the upgrade, then copy the files back into the cache folders.

Reader:

They haven't done much to start upgrading yet, but know that there will have to be changes, because the current projects will not open on ArcGIS 10 installations.

Plans before full integration with ArcGIS 10 is possible for Shawnee

Migrate VBA to Add-ins, the four buttons that people actually use.

Change paths in python scripts

Produce training materials for novice users, to outline major changes in 10

Move to SQL Server Express 2008, to take advantage of report server (it was mentioned they may want to investigate going straight to 2008 R2 because much of this SQL release was enhancements to report server.)

Timeline: Targeting early 2011 as a start to push out ArcGIS 10.

AIMS

AIMS plans for ArcGIS 10:

ArcGIS Server moved to 10 Saturday 10/9. Some minor issues were encountered, but nothing earth shattering, and services were back up fairly quickly. It was noted that the next version of ArcGIS Server (10.1) will be 64 bit only, so if new servers are being purchased, it is recommended to keep this in mind if your organization has been sticking with 32 bit machines.

ArcSDE has to wait on Wastewater's GBA application to be upgraded to 7.1, which should be possible by the end of this year, or early 2011.

Doug Hemsath/Jamie Roberts lightning talks

ESRI iPad application/ArcGIS.com abilities:

Download from the app store. You can easily generate maps on ArcGIS.com, and access those via your iPad and internet connection. In ArcGIS.com this same map can be shared with everyone, and there is even a section that gives you the HTML code necessary to copy and paste into your web page, to get the map to show up there.

Address Info application for Police:

This is a custom application based on the other Address Information applications Doug put together for many of the other city departments but contains police-specific information. Police personnel can look up an address, and get back a lot of information on that address such as warrants, or other police related information.

Interviews with Departments:

To review what is being used, and done for them, and also determine what changes, or other things would be useful that GIS could help out with.

Map Cell Towers and Phone Calls:

Several incidents have come up recently that required Doug to map out a list of cell towers provided by a carrier, and the times of the phone calls for various incidents.

Stormwater inspections:

They hire stormwater inspections be done once a year. Part of this process they provide GPS units to the firm, to record the data in related tables. The ArcPad extension for ArcGIS allows this to be a smooth process. Data is extracted through ArcMap, copied to the Trimble GPS units, then once the work is complete, the data is copied back, and imported through ArcGIS again.

Event traffic control maps:

An ArcMap document was set up for the Public Works department to create some data, and maps that allow for better communication to the Police department, and event staff as to what streets are going to be closed, or re-directed.

Editing in Google Earth:

To take advantage of the new imagery for the area in Google Earth, Jamie used the Google Earth tools to create some features and store them in a KML file. He exported the KML from Google Earth, then used the KML2Shp ArcToolbox tool to pull those into a Shapefile that can be used in ArcMap. This was mainly done for the Stormwater calculations that have to be re-done each year for commercial properties.

ArcGIS for Silverlight:

They chose to go with Silverlight, because it allowed them to stay with a familiar development environment.

Jamie is working on a Shawnee Viewer type of application that can be posted internally. He has the basic pan zoom functionality finished, but hasn't gotten much further with it.