

AIMS Coordinators Meeting
February 14, 2013
Host: AIMS

AIMS 2013 Initiatives:

➤ **Infrastructure Improvements:**

- AGS 10.1 Migration – Tentatively scheduled for March 9th, completed testing – main benefits are a true 64bit software platform, improved caching and REST services.
- Departmental ArcGIS Desktop - ongoing
- Google API v3 Migration – Migrating now, applications affected: IMS, JCLR, CRC, - should be a seamless transition to the end user. V2 is end of life this spring.
- SQL 2012 Upgrade - Mid summer 2013, goal is to only be one version behind at a minimum, will take advantage of performance improvements, new Reporting Server functionality,.
- ArcSDE 10.1 upgrade - Sept/October 2013. Primary goal will to be on latest ESRI and Microsoft Development platforms before migrating to the next project.....
- DSV01 Hardware Replacement – 4th qtr 2013, hardware will be 5 years old.

➤ **Data Acquisition:**

- 2014 MARC/Ortho RFP – summer 2013
- 2014 Oblique request – Fall 2013

➤ **Take Advantage of Enhanced Technology Capacity**

Potential Coordination Efforts

- Web Editing
 - Distributed Editing – are there other possible applications for simple feature, browser based editing?
 - AddVantage
 - MultiBuilding
 - Parks Pilot
 - Crowd Sourcing
 - Mobile Editing
- Critical 360 Implementation
 - Was this interesting enough to discuss countywide purchase from Pictometry?
- ESRI Models/Templates – are these mature enough and acceptable enough to use as “standards” for the county GIS departments?
 - ParkFinder
 - PollingPlaces
 - Parcel Editing
- **Potential to Affect the Group**
- ArcGIS.com Future
 - Personal Account vs. Business Account
 - Editing
 - CAR (Catch A Ride)
 - USD233 editing room attribution
- Improvements to Archiving
 - Move to Time Aware Feature Classes vs. Snapshots
 - Change Geometry Storage to SQL Spatial Type vs. SDE Binary
 - Coordinator Consensus on Proper Amount of Archiving – are the coordinators using jocoArchive?
 - Data Management Improvements

- No More Lock Headaches (FME Truncate)
- Do We Need SDE Feature Classes Now? – 10.1 allows treating spatially enabled tables as feature classes, including editing if registered with the geodatabase

➤ **Evaluate/Improve specific services/products**

- **IMS Improvements/Updates/Enhancements/Bugs** – With the successful migration of AIMS online mapping to a much more robust and capable mapping platform, staff will be investigating the opportunity for improving those mapping services. The discussion regarding how the AIMS online mapping is being leveraged at various organizations began in 2012 and in 2013, we'll continue those discussions about how to improve upon the services. There is already a long laundry list of requests, suggestions, improvements, etc that will be evaluated and implemented. – Limited Collaborative Opportunity
- **Map Product Review** – The use of external basemaps from Google, ESRI, etc has raised the bar on map cartography. AIMS' printed map products and map services have seen only minor improvements over the last several years. A team will be reviewing AIMS products and making recommendations for bringing a higher cartographic standard to AIMS map products. – Limited Collaborative Opportunity
- **Integrate DDR w/ IMS** – The process for AIMS Digital Data Requests has always been a stand-alone app that involved little map integration. It's been suggested that making DDR requests should be as simple as viewing data/maps in the County's online mapping system and subsequently click a button to purchase that data.
- **Improve Plats App Interface / Plat Viewer Utility** – The plats app interface was written back in the middle ages as far as web best practices are concerned. The plats apps/interfaces need to be brought up to date in terms of using web practices, application design, and the integration of the County online mapping.
- **Mobilify Apps** – One of three strategic directions for JoCo DTI in 2013 is mobility. AIMS will be investigating what that means to AIMS services and evaluating opportunities in which it makes sense to offer mobile functionality for AIMS services.
- **User initiated mapping (i.e. Home Buffer Maps)** – Fulfilling hundreds of map requests annually is time consuming and puts a significant load on AIMS stretched resources. Many of these map requests are redundant, unique only to their location, etc and can be automated and initiated by the requester. While AIMS does serve many maps from automated services already, staff will be reviewing the greatest opportunities for automating additional map requests in 2013. – Limited Collaborative Opportunity

➤ **Increase Consumption of AIMS Data and Services**

- AIMS spends a considerable amount of resources each year on creating new and maintaining accurate data. In 2013 efforts will be made to make more of this data accessible and easier to consume by our users. Some examples of datasets that need more exposure and consumption include:
 - Population models, which were added to the IMS, and we have had requests from MARC to use the same logic on a metro-wide scale and will continue to seek ways to make this data more consumable.
 - Permit data – has been cleaned and AIMS would like to seek new ways for this data to be used be it through reporting services, inclusion in an application, etc.
 - HOA data, school enrollment data and we plan to look at the expansion of the utility data within the CUE system.
- Along with data, AIMS will continue to promote our services and look for areas where their consumption could be increased. This will include not only all our existing application from the Location Maps and Info website and its mobile counterpart, to the IMS and JCLR. We will also be looking at:
 - Various web services we have available and what other ones could/should be created that could assist in application development. Some currently available services include our Address, property and feature services. We will be examining whether there is need for others.
 - AIMS Map API and where else it could be integrated. Can we get maps into more applications where it makes sense?

City of Lenexa

- Undertaking a technology architecture review that will look at all aspects of the organization, including new api's, analytics, business intelligence, etc.
- Mobile technologies will take precedence in evaluating new technology architectures.
- Cloud will become a stronger effort
- Increased emphasis on Business Intelligence – evaluating EMC Greenplum (<http://www.greenplum.com/>)
- Mass notification
- Fiber – exploring private and public partnerships

City of Shawnee

- Migration to ArcGIS 10.1
- Evaluating ArcGIS online capabilities
- Sign Reflectivity Implementation (Lenexa mentioned that they have a ArcGIS online sign editing app)
- EnerGov implementation/ Asset management - evaluating
- Initial Fiber documentation for the city
- Explore LiDAR tools/ how to utilize dataset

Water One

- ESRI data model conversion “LGIM Database”
- Data Reviewer for editing processes
- Replace ArcEngine application
- Continue collection of GPS points – valves, fire hydrants, meter/pit locations
- Exploring GPS hardware issues – enquired to the group of alternatives
- Mass Notification Application collaboration with the county
- Mobile apps
- 10.1 migrations
- Fire hydrant audit – implement cybertech allows interaction between esri and SAP

City of Olathe

- SQL 2005 – SQL2012 migration – should be in production in the next few months
- Desktop 10.1 migration is delayed by a few 3rd party vendor restrictions
- Cartograph Asset Management – transition to native work order system
- Looking at a mobile app for main breaks.
- ArcGIS Server web services refresh
- Crystal Reports integration
- New completed comprehensive impervious service feature class

Appraisers Office

- Internal PICs/Front elevation update of about 4000 properties
- APEX Sketch project – will provide georeferenced building outlines
- Cleaning up personal property addresses
- Improving appeal process maps
- Interested in change detection processes
- Interested in JocoArchive upgrade (past land sales)

Records and Tax Administration

- Migration from access database (TOTS, PODS)
- Spatial accuracy improvements

Transit

- IT staff will be merging with Dept. of Technology and Innovation
- Spring rollout of Digital signage at bus stops
- Implementation of traffic light control technology on busses to enhance route time
- AVL data mapping tool for schedule information
- Changing contractor at the end of the year to split up services, hoping to improve completion by utilizing more vendor choices

City of Fairway

- Johnson County now providing contracted IT services for server and telecommunication infrastructure
- Fairway Parks and Rec looking for software solution for scheduling, customer services
- New street lights from KCPL to save money
- Would like a mobile app for building inspector
- Addressing stormwater issues, still have 31 homes located in floodplain
- Reevaluating city hall lease

ESRI

- ArcGIS Online – continually updating, suggested looking at the “What’s New in ArcGIS Online” webpage for updates. <http://www.esri.com/software/arcgis/arcgisonline/whats-new>
- New Web Templates for ArcGIS online
- Parcel Fabric, Public Works models/templates
- Mobile collector app - Field mobility tools
- Operational Dashboard tool
- ESRI purchased location service software company – GeoLoqi
- Senior Executive User Conference (before User Conference) – need nomination from ESRI to attend

Wyandotte County

- Participating in Community Maps program with ESRI
- Evaluating ArcGIS online
- Implemented GeoPortal for data and pdf map library
- Will be updating Oblique Photography in 2013
- Migrate to 10.1
- Migrating from AutoCad in public works to ESRI/GIS platform

City of Overland Park

- Migrating from SQL2000 to SQL2012
- Looking to replace Tidemark Permitting System, looking for greater integration with other systems.
- Pilot ArcGIS online and application builder template
- Real time dispatching with Police Department
- Streamline/redo annual development report
- Update Address-OP-edia application
- HOA data
- Solution for Density maps/ need data outside OP city boundaries.

Collaboration Opportunities-

- Web Editing
- Regional Data Collaboration?
- Lucity/ other Asset Management User group?

- LiDAR
- ArcGIS Online