

Meeting Summary
MetroGIS Technical Advisory Team
Minnesota Counties Insurance Trust Building, St. Paul, MN
1:00-3:00, Room 205
June 29, 2011

1. CALL TO ORDER, WELCOME, INTRODUCTIONS

Chair David Brandt called the meeting to order.

Present:

David Brandt, Washington, County – TAT Chair
Brian Fischer, Houston Engineering
Josh Gumm, Scott County
Susanne Maeder, MnGeo
Matt McGuire, Metropolitan Council
Bart Richardson, DNR
Charlie Teff, Anoka County
Dan Och, NCompass Technology/Guide K12

Support Staff: Mark Kotz, Metropolitan Council

2. APPROVE AGENDA

The agenda was approved .

3. APPROVE MEETING SUMMARY

The October 2010 meeting summary was approved with no changes.

4. PROJECT AND WORKGROUP REPORTS

a) Address Workgroup

Kotz reported that the MetroGIS Address Points Dataset still has only data for one city, although several counties are now very interested in getting the data available for NG 911. LOGIS and Dakota Co. have expressed interest in hosting the prototype web editing application to test it with a few address authorities. MetroGIS Coordinating Committee recently indicated that developing enhancements to the editor is one of their higher priorities and that some funding could be available for it yet this year. The national address data standard was approved by the FGDC in early 2011.

Brandt said that at the NENA conference NENA is also planning to comply with the national standard as a transfer format.

b) Geospatial Commons

Kotz reported that the test implementation was completed. It includes out of the box ESRI Geoportal Extension 9.3 tools with minimal customization. The workgroup tested metadata from multiple agencies and evaluated customization needs. It also launched metadata workgroup to recommend changes to MGMG, especially for web services. The four sponsoring agencies (MnGeo, DNR, Mn/DOT and the Met Council) are putting together a project plan for a production version of the Commons. More information about the project is available here

<http://www.mngeo.state.mn.us/workgroup/commons/index.html>

c) Best Image Service

McGuire reported that the service is up and running now. Met Council is using it in production web sites. The new title is the “composite image service”. A group will need to be formed to make decisions about what imagery will be added to the service once new imager is available. Metadata has been created for the

service: www.mngeo.state.mn.us/chouse/composite_image.html The metadata page includes the service URL.

Scott Co. sent their 6" data to MnGeo to make it publicly available. Unclear if it is included in the composite image service, but it should be eventually.

Has there been any thought of creating a map or vector dataset of the footprint of each data source? A map exists, but not a dataset. The footprint changes at different zoom levels.

5. TECHNICAL PRESENTATIONS

a) Park and Recreation Application for Counties - Brian Fischer

Houston Engineering has create 4 very similar applications for a number of counties, some individually and some as groups. See presentation file.

Brian then demoed a wide variety of functionality in the web applications, the feature editor and a mobile version of the application. The mobile app is now available on the Android Market.

Questions:

How similar are the data models between counties? Fairly similar, but the relationships between features are different. A standard was created and some counties use it.

Did you consider doing this in something like MapServer? No, all counties already had ArcGIS Server, so it was not an option.

6. INFORMATION SHARING

a) Next Generation 911 progress – Washington Co.

Brandt: NG 911 will be GIS based, but our county, and other counties may not have all of the data needed to support it.

The software chosen by Washington County is dictating that we have to modify street centerlines in a way that does not make using the NCompass street centerlines feasible. This is problematic and requires us to create our own dataset to work with 911, but we still need NCompass to work outside the county. On the positive side, bringing the centerline maintenance in-house has allowed for greater data control with numerous street and address corrections being made to the centerlines and the tax database. Address point data will ultimately be the first data set queried for location with the centerline serving a backup geocoding role but still required for routing.

b) Round Table.

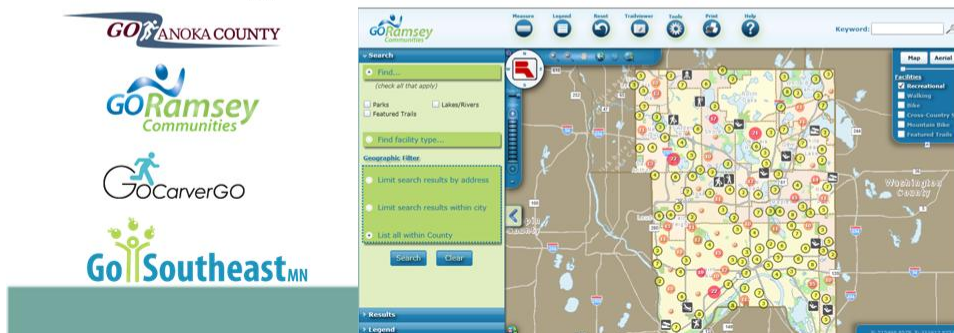
Och: NCompass Technologies has changed its name to Guide K12.

Och: The MetroGIS geocoder does not have updated parcel data. How can we get that included?

Kotz: no one has volunteered to converting the updated parcel data into the format needed by for the geocoder. Susanne said that MnGeo will do this if someone can provide documentation about what needs to be done. Kotz said that Met Council has some documentation that can be sent to MnGeo.

Outline

- Background
- Silverlight Application Demo
- Feature Editor Demo
- Mobile Application Demo



Background

- Past 9 Months HEI contracted to develop 4 applications
 - Anoka County
 - Carver/Scott County
 - Ramsey County
 - 11 Southeast MN Counties
- Projects funded by Statewide Health Improvement Program grants





Background

- Counties and Cities collected all data and developed data model
- Collaborative effort between Public Health, Parks and Rec, GIS and IT departments
- Champions within each county leading project



Goals

- Promote active living and recreation opportunities
- Easy to use web mapping application to discover recreation facilities
- Strive towards similar interfaces and data models
- Leverage development costs



Technology Overview

- ArcGIS Server 9.3.1 and 10.0
- ESRI Silverlight web mapping API
- Misc. Details
 - Use of feature services
 - Cluster algorithm
 - Custom print widget
 - Custom measure tool
 - Highly custom search tools



Silverlight Application Demo

- GoAnoka – <http://www.goanokacounty.org/>
- GoCarver - <http://gocarvergo.org/>
- GoRamsey - <http://goramsey.org/>
- SE MN (under development) –
- <http://76.10.117.11/SoutheastSite/index.html>



Feature Editor Demo

- Currently only developed for Ramsey County and SE MN Counties
- Only allows edit of point features and attributes
- Configuration Files
- <http://76.10.117.11/ramseybeta/goramsey.html>

```
<editLayer Name="ArcheryRange"  
  EnglishName="Archery Range"  
  DefaultValues="FeatureCode|AR,StateFIPS|27,CountyFIPS|123"  
  ReadOnlyFields="FeatureCode,StateFIPS,CountyFIPS,FeatureID,FeatureUniqueID"  
  HiddenFields="LastEditedBy,LastEditedDate"  
  ImgUrl="http://76.10.117.11/ArcGIS/rest/services/Ramsey/EditLayers2/FeatureServer/0/images/A27C91A4"  
  Url="http://76.10.117.11/ArcGIS/rest/services/Ramsey/EditLayers2/FeatureServer/0" />
```

Mobile Application Demo

- Currently only developed for SE MN Counties
- Apps available for Android and Apple devices
- Developed with ESRI Flex API, ArcGIS Server and Flash Builder
- Designed for smartphones and tablet devices
- Goal is to allow public to discover and learn about recreation opportunities in their area



Challenges

- Large stakeholder groups
- Experimental features
- Limitations of Silverlight
- Experience levels with ArcGIS Server and SDE
- Differences in data models and data collected
- Configuration of application in HTTPS and mixed environments



Questions?

- GoAnoka – <http://www.goanokacounty.org/>
- GoCarver - <http://gocarvergo.org/>
- GoRamsey - <http://goramsey.org/>
- SE MN (under development) – <http://76.10.117.11/SoutheastSite/index.html>

Presented by:
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