

**Meeting Summary
MetroGIS Coordinating Committee
MN Counties Insurance Trust Bldg. – Board Room
December 10, 2008**

1. CALL TO ORDER

Chairperson Brown called the meeting to order at 12:35 p.m.

Members Present: *Academics:* Jeff Matson for Will Craig (U of M); *Cities:* Harold Busch (AMM: suburban cities - City of Bloomington); *Counties:* Pete Henschel (Carver), Randy Knippel (Dakota), Bill Brown (Hennepin), Jim Bunning (Scott); David Brandt for Jane Harper (Washington); and John Slusarczyk (Anoka), *Federal:* Ron Wencil (USGS); *GIS Consultants:* Larry Charboneau (NCompass Technologies), *Metropolitan:* David Bitner (Metropolitan Airports Commission), Rick Gelbmann and Mark Vander Schaaf (Metropolitan Council), and Nancy Read (Metropolitan Mosquito Control District); *Non-Profits:* Sally Wakefield (1000 Friends of Minnesota); and *State:* Joella Givens (MN/DOT).

Members Absent: *Business Geographics:* (Vacant); *Cities:* Jim Engfer (AMM: core cities - City of St. Paul); *Counties:* David Claypool (Ramsey); *Metropolitan:* Gordon Chinander (Metropolitan Emergency Services Board); *Non-Profit:* (Vacant); *State:* David Arbeit (GDA/LMIC) and Tim Loesch (DNR); *Special Expertise:* Brad Henry (URS Corp.), *Utilities:* Allan Radke (Xcel Energy); and *Watershed/Water Management Organizations:* Mark Doneux, Capital Region Watershed District. Open Seats: *Business Geographics and Non-Profits*

Support Staff: Randall Johnson and Mark Kotz (MetroGIS staff support team)

Visitors: David Brandt (Washington County and Chair of the Technical Advisory Team), John Carpenter (Excensus), Chris Cialek (LMIC), Nicole Roepke (Carver County), and Liesa Miller (DNR).

2. ACCEPT AGENDA

Member Wakefield moved and Member Givens seconded to approve the agenda, as submitted. Motion carried, ayes all.

3. ACCEPT MEETING SUMMARY

The summary was excepted as presented in the agenda packet, with the except that Member Busch commented that he did not attend the September meeting as stated in the draft summary. No questions or comments were offered.

4. SUMMARY OF JULY POLICY BOARD MEETING

There was no discussion of this item.

5. ACTION AND DISCUSSION ITEMS

a) Election of Officers

Chairperson Brown began this item by thanking the members for opportunity to serve as Chair for the last two years. He then placed Member Wakefield's name into consideration as a nominee to serve as the next chairperson. Member Wakefield confirmed her interest in serving. Chairperson Brown then called for further nominations three more times. Hearing none, he moved and Member Givens seconded to close the nominations and elect Member Wakefield to serve as Chairperson of the Coordinating Committee for 2009. Motion carried, ayes all.

Chairperson Brown then placed Member Henschel's name into consideration to serve a Vice-Chair of the Committee. Member Henschel confirmed his interest in serving. Chairperson Brown then called for further nominations three more times. Hearing none, he moved and Member Wakefield seconded to close the nominations and elect Member Henschel to serve as Vice Chairperson of the Coordinating Committee for 2009. Motion carried, ayes all.

The members congratulated both new officers and thanks them for accepted to serve in these roles.

b) Regional Geocoder Service – Final Project Report

The project manager of the Regional Geocoder Service Project, Member Read, explained that her presentation would highlight points explained in more detail in the final project report that was made downloadable with the other agenda materials at

http://www.metrogis.org/teams/cc/meetings/08_1210/08_Geocoder_Final_Report_draft_toCC.pdf.

She then explained the development process, some specifics of the service architecture, how the new service is being used to support applications hosted by the Metropolitan Mosquito Control District and examples of how the existence of this new service is significantly improving efficiencies. She also commented on work that remains in progress to develop data updating procedures, adjusting specifications to improve performance, refining hosting specifications and batch service capabilities.

Member Read then summarized several lessons learned and offered several recommendations for subsequent and related actions, including encouraging MetroGIS to continue to support development of web services, foster efforts to improve data content standardization, foster continued work to resolve concerns associated with open source software, explore hosting of a “project commons” capability, and most importantly, facilitate a willing organization possessing sufficient resources to assume responsibility to host this service. (To view Member Read’s presentation slides go to http://www.metrogis.org/teams/cc/meetings/08_1210/5b_Geocoder_Final_to_CC_Dec.ppt .)

Chairperson Brown thanked Member Read for her presentation and for her leadership on this important project. He then asked for clarification about who should be responsible for acting on the recommendations presented in the final report. Mark Kotz, Chair of the Technical Leadership Workgroup noted that the recommendations to support a “project commons” and to secure a host for service fit within the scope of responsibilities that the workgroup has accepted.

The Staff Coordinator commented that addressing questions about when use of open source software is appropriateness should begin with education of the legal staff that are responsible for drafting the authorizing agreements. The group concurred that it needs to be clear about what it wants, why the open source environment is critical to achieving those outcomes, and the benefits that will accrue if those outcomes are achieved.

Action: Due a lack of specificity about how to approach each of the recommendations presented in the final report, the Committee decided to defer to the Technical Leadership Workgroup for more information about the resources needed to accomplish each recommendation, relative priority with the work objectives set for 2009, and, to the extent possible, identification of high-level strategies to launch each effort. No deadline was set for a report from the Workgroup.

The Committee did not offer any suggested additions or modifications to the content of the final project report (see the URL cited above to view the document).

c) Address Point Repository Synchronization Pilot – Final Project Report

Member Henschel, project manager for this project and member of the Committee, introduced the material presented in the agenda report, noting that the most important next step is to identify the host for the application and handed out the final project report

(http://www.metrogis.org/teams/cc/meetings/08_1210/5c_RegionalAddressPointRepositorySynchronizationPilot-FinalReport.pdf). He then introduced Nicole Roepke, Carver County, who was responsible for designing and writing the code to accomplish the Address Point Repository Synchronization functionality. Ms Roepke then summarized the various components of the application. (To view Ms. Roepke’s presentation slides go to http://www.metrogis.org/teams/cc/meetings/08_1210/5c_MetroGIS-FinalReportPresentation-20081210.pdf.)

Chairperson Brown thanked the presenters for assuming leadership to build this important tool and for their excellent presentation. He then asked if there are any leading candidates to serve as the host. Mr. Kotz, Chair of the Address Workgroup, commented that the Workgroup is currently investigating options. Chairperson Brown encouraged Carver County to document the impacts on

an organization's infrastructure and support needs of hosting this synchronization application and to share this information with the Workgroup.

Action: Member Henschel agreed to the Committee's request that Carver County provide information to the Address Workgroup gained from testing the application on Carver County's system.

Action: In response to a statement in favor from Mr. Kotz, the Committee assigned responsibility to the Address Workgroup to coordinate integration of this synchronization tool with development of the proposed Web based Address Editing Tool, and ultimately with development to the Regional Address Points Database.

The Committee did not offer any suggested additions or modifications to the content of the final project report (see the URL cited above to view the document).

d) Regional Solutions to Shared Application Needs – Recommended Next Steps

Mark Kotz and Chris Cialek, both members of the Technical Leadership Workgroup, presented this topic. Kotz began by summarizing the charge to the Workgroup, the process used to facilitate the November 20 *Geospatial Applications and Web Services Needs Forum*, process used to discern meaning of the results and to craft recommendations for next steps. (For more information, see Mr. Kotz's slide presentation at http://www.metrogis.org/teams/cc/meetings/08_1210/5d_CC_Presentation_Final.pdf.)

Mr. Cialek then presented an overview of the Workgroup's recommendations, which were handed out at the meeting (see Attachment B). They were grouped in three major categories: A) Create new workgroups to address 5 needs, B) Augment responsibilities of the current Technical Leadership Workgroup and Geocoder Workgroup, and C) Encourage the Committee to take action on four related topics that are beyond the scope of the Workgroup's responsibilities.

Action: It was agreed that staff would create a survey with the assistance of the Technical Leadership Workgroup through which the Committee members would identify the workgroup(s) that they would be interested in serving and to given them a means to identify candidates beyond the Committee they believe would have an interest to serve on the suggested workgroups. Staff agreed to send the survey to Committee members by year-end, if at all possible.

It was agreed that given limited resources, priorities for next steps would, in large part, be set by the interest demonstrated in participation on the various workgroups. It was also agreed that Committee members need to serve on each new workgroup to provide a liaison with the Committee and that the preference is for these new workgroups to present, at minimum, preliminary recommendations for use of 2009 project funding at the March Coordinating Committee meeting.

In subsequent discussion related to this topic,

- Member Gelbmann commented that the diagram created by the Workgroup to illustrate the results of the November 20 forum (see Attachment A) is valuable to show connections between needs and value to program managers.
- Member Read commented that additional project manager resources are needed to act on the identified needs and asked if it would be possible to use project funds to hire a part time project manager. Gelbmann commented that the idea should be considered as an option but that he has not given up on the request to the Council to create and fill a full time Technical Coordinator position.
- Member Knippel asked if it is possible to find out who voted for what need to use as a mechanism to seek out partners to assist with the resource needs. Kotz commented that the voting was tracked by sector but then in some cases the forum team would also be able to associate a participant name with a sector vote.

The Committee did not offer any suggested additions or modifications to the content of the Forum Turn Around document that can be viewed at the following web address:

http://www.metrogis.org/teams/workgroups/shared_app/forum_11-2008/Forum_Turnaround_Document.pdf.

e) Streamlining Data Access for Emergency Responders

In the absence of Member Chinander, the Staff Coordinator introduced this topic and summarized the agenda report. (Editors note: Member Chinander was unable to attend the meeting due to a required function at his home organization.)

Member Knippel supported the proposal to investigate the data access issues encountered in the lead up to the Republican National Convention but cautioned that multiple solutions will be required and each data holder will need to inventory the licensed data they have in their possession produced by others and assess what can be shared, as the issues incurred are associated with a broad array of data in addition to county-produced parcel data. Chairperson Brown concurred that it would be prudent to document difficulties and look into ways to avoid in the future but also cautioned that some of the difficulties incurred could have been avoided if current procedures had been followed.

Member Read offered a suggestion that the GIS community initiate practice scenarios through which to identify data resources issues and access issues on a recurring basis. Chairperson Brown also noted he would be willing to consider the potential of web enabling licensure procedures to streamline existing procedures. Member Knippel commented that he had spoken with the Dakota County attorney and that they believe that the access in emergencies situation for parcel data could be handled with an addendum to the current agreement. He also reiterated and cautioned that the larger issue is that local holders of private data (e.g., Pictometry) can not share these holdings which in times of emergency could be extremely valuable. Fixing this problem will be a major challenge.

Action: Chairperson Brown, Member Knippel, and Member Givens volunteered to serve on the proposed workgroup to look into the data access issues incurred in conjunction with support of the Republican National Convention and offer suggestions to resolve these issues, with the understanding that Member Chinander will take the lead on developing a draft problem statement from which they can react.

f) Mn D2E Functional Transformation Recommendations

Member Gelbmann, speaking as Chairperson of the Governor's Council on Geographic Information, reported that the pending recommendations of the Mn D2E Functional Transformation workgroup are not expected to be ready for comment until the week of December 15. The Committee asked staff to forward these recommendations to the members when they become available for comment. No decision was made as to how the Committee intends to respond to the Board's request for a recommendation. Member Gelbmann noted that he, Chairperson Reinhardt, and David Brandt, Chairperson of the Technical Advisory Team, have participated actively in this initiative and have drawn from MetroGIS's experience in their advice on how to achieve coordination.

Action deferred until the recommendations are available.

Chairperson Brown called for a ten minute break at 2:40 p.m. Members Busch and Charboneau left the meeting. A quorum remained in attendance.

g) 2009 Major Work Program Objectives - Finalize

The Staff Coordinator commented that the Committee had reviewed a prior version of the proposed work objectives for 2009 at its September meeting and that the current draft includes several modifications requested by the Committee at the September meeting.

Member Read asked if Objective #3, Secure a Technical Coordinator, is still a viable option, given the inability to accomplish it in over 9 months. Member Gelbmann responded that he believes it is still worth putting effort into securing this resource, noting that the results of the November 20th *Geospatial Applications and Web Services Needs* Forum demonstrated value to the Council and the

need for additional technical resources to accomplish this value. Member Read reiterated a previous comment that consideration should be given to using project funding to hire a part-time resource to ensure that important progress continues to be made. Gelbmann concurred that this alternative should be given consideration if the full time position does not materialize.

Member Read also asked for more information about the two Request for Bids mentioned in the agenda report. The Staff Coordinator explained that two requests for bids were published in November in an attempt to capture \$20,000 in funding that would otherwise be lost if not encumbered by year end, briefly explained the objectives of the two projects, and noted that the deadline for submission is Friday, December 19. He also noted that if one or both of these projects moves forward, that a few members would be invited to serve on a team(s) to provide advice to the consultant team as it develops proposed strategies. The Staff Coordinator concluded by noting that he is concerned that qualifying bids will not be submitted as no comments had been posed by prospective bidders, as has typically occurred in the past.

Staff was then asked about the possibility of using these funds for another project(s) if qualifying bids are not received, (e.g., reinstate the web-services proposal from Dakota County granted concept approval; but later reduced in scope due to funding limitations.) The subsequent discussion led to the following motion and a request to share the two in progress Requests for Bids with the Committee members:

Motion: Read moved and Givens seconded that if qualifying bids are not received for one or both of the Request for Bids published in November 2008 and it is possible to accomplishment the required procurement procedures in the short time before the end of the year, that the property query service component of Dakota County's Regional GIS Project abandoned by the Committee at the June meeting due to budget limitations should be reinstated, subject to:

- 1) The previously proposed project aligns with one or more shared application needs identified at the November 20 forum.
- 2) Dakota County has the capacity to do the project.

Motion carried ayes all.

Motion: Wakefield moved and Givens seconded that the Committee recommend that the Policy Board approve the major 2009 program objectives as listed in Attachment C of the agenda report dated November 26, 2008. Motion carried, ayes all.

h) 2009 "Foster Collaboration" Budget - Finalize

Member Bitner moved and Member Givens seconded that the Committee recommend that the Policy Board approve the 2009 MetroGIS Fostering Collaboration budget, as listed in Exhibit 1 of the agenda report dated December 1, 2008. Motion carried, ayes all.

After the motion, Member Read inquired about the process anticipated for deciding how to allocate the proposed \$35,000 in project funding. After limited discussion, it was decided that the workgroups to be created via action for Agenda Item 5d should be responsible for recommending strategies to use available funding and that the Technical Leadership Workgroup should have responsibility to consolidate these requests into a coordinated recommendation to the Committee.

i) GIS Demonstration for January Policy Board meeting

The Staff Coordinator explained that he had contacted representatives of the Twin Cities Economic Development Website, as directed by the Policy Board and Committee, and that they are willing to speak at the January 2009 Board meeting. The members concurred that this is the best option for a presentation at the January meeting.

j) 2009 Meeting Schedule

It was agreed that the Committee would meeting on the following dates in 2009: March 26, June 25, September 10 or 17, depending on the date of the NGAC meeting, and December 10.

k) Fill Business Geographics and Non-Profit Committee Seats

Postponed to the March 2009 meeting due to inadequate time to consider this matter at this meeting. Chairperson Brown asked staff to share the comments that had been submitted by the Member Craig with the Committee (preference to increase the number of the city representatives) for consideration at the next meeting.

6. PROJECT UPDATES

There was no discussion of the items presented in the agenda materials.

7. INFORMATION SHARING

There was no discussion of the items presented in the agenda materials. Member Givens hand out a news release (Attachment B) with the members describing Mn/DOT's External Construction Map.

There was no time for Committee comment during the meeting.

Outgoing Chairperson Brown thanked the members for the opportunity to serve as Chair for the past two years. He confided that this experience provided him with an opportunity to grow as he attempted to move some agendas important to the community. He wished Members Wakefield and Henschel well in their new duties as Chair and Vice Chair, respectively, noting that he looked forward to continuing to participate in the important work of the Committee.

8. ADJOURN

The meeting adjourned at 3:30 p.m.

Prepared by,
Randall Johnson, AICP
MetroGIS Staff Coordinator

Approved On:
March 26, 2009

ATTACHMENT A
Handout
Agenda Item 5d
Final Recommendations
Regional Solutions to Shared Application Needs
and
Illustrations of Relations between and Among Application Needs

Next Page



TO: Coordinating Committee

FROM: Mark Kotz (Chair) and Chris Cialek on behalf of the Technical Leadership Workgroup

SUBJECT: Addressing Shared Application Needs – Recommended Next Steps

DATE: December 9, 2008
(For the Dec 10th Meeting)

The TLW relied on the results of the November 20, 2008 *Geospatial Applications and Web Services Forum* as a foundation for developing the following recommendations. The results of the Forum are recorded in the Turnaround Document found at www.metrogis.org/teams/workgroups/shared_app/forum_11-20-08/Forum_Turnaround_Document.pdf

RECOMMENDATIONS

That the Committee:

1. **Form new workgroups**, as resources allow, for the following purposes:
 - 1.1. Clarify the relationships within the “Jurisdictions at point (13)/Government service finder (1)” fragment and make further recommendations for its implementation, for example clarify the connections with other ideas, define useful public/private partnerships, make a prototype service.
 - 1.2. Clarify “Feature services for all data (33)” need. What is the problem to be solved? Also address issue of security for features services licensed data (e.g. parcels).
 - 1.3. Define a “Best image service (5)” and recommend a solution.
 - 1.4. Recommend a solution for the “USPS address verifier (8)” need, keeping in mind the MetroGIS mailing label service project.
 - 1.5. Propose a strategy to move forward with a federated data development environment. The Address Workgroup is currently working on a prototype. Wait for results and then form a workgroup specifically for the federated data development subject.
2. **Augment the responsibilities of existing workgroups** as follows:
 - 2.1. Geocoding workgroup
 - 2.1.1. Increase the geographic coverage of the geocoder by adding the full TLG dataset (beyond the seven county metro) to the geocoding service.
 - 2.1.2. Recommend a solution for place/feature geocoder and landmarks data.
 - 2.2. Technical Leadership Workgroup
 - 2.2.1. Consider work with application and web service needs completed. Focus efforts on broker/portal definition and implementation.
3. **Accept as the Coordinating Committee’s own responsibility:**
 - 3.1. Addressing the need for a policy on broader access to parcel data (18).
 - 3.2. Encouraging the State to take on the role of meeting the need for a statewide geocoder (22), including needed data.
 - 3.3. Asking the GCGI Hydrography Committee to recommend a solution for the “Storm/surface water tracer (35)” need.
 - 3.4. Identifying willing champions, volunteers and staffing resources for new workgroup.

ATTACHMENT B

Hand out Supplement for Agenda Item 7

News Release - Mn/DOT's External Construction Map

This construction map is an ArcIMS application that has been running within Mn/DOT for about a year. **We have just released this as an external application, as well as a map service.** This planning tool provides draft locations of potential Mn/DOT construction projects, which are grouped by construction year. Please note that the map does not show every construction project, and that projects may not be displayed for all districts. The map shows construction projects for the current year, some of which may be completed. It also contains potential construction projects for the next four years, which can be turned on as needed using the layers list. Construction projects and schedules are draft only and may change at any time. Potential projects in future years are especially susceptible to change, based on changing priorities and budgets. Projects are displayed according to their estimated level of traffic impact for the driving public: high, medium, or low impact, or closed. The information provided on this map is for planning purposes only and should not be used as a guide to current road conditions. The driving public is advised to check current road conditions by calling 511 or by checking <http://www.511mn.org>.

This construction project information is shown in relation to Mn/DOT's Interactive BaseMap. The BaseMap is a planning level set of data developed at a scale of 1:24000, and includes transportation features, boundary information, and stream and lake locations. The map also contains imagery. It is possible to view, markup, save and print maps through this on-line application. Pop-up blocking will need to be disabled in order for you to print any maps and use other features available on this Web site. Help pages are available to guide you through the various parts of the interface.

This site also includes links to extensive data descriptions (metadata). Please consult the metadata to ensure proper usage and remember that construction limits shown in this viewer are typically generalized and oversimplified. All of these resources are provided free of charge and accordingly, are not warranted for any specific use. We do, however, strive to produce accurate data and would appreciate any comments that you may have. We hope that you find the site useful!

Disclaimer: The Minnesota Department of Transportation makes no representation or warranties, express or implied, with respect to the reuse of data provided herewith, regardless of its format or the means of its transmission. There is no guarantee or representation to the user as to the accuracy, currency, suitability, or reliability of this data for any purpose. The user accepts the data 'as is', and assumes all risks associated with its use. By accepting this data, the user agrees not to transmit this data or provide access to it or any part of it to another party unless the user shall include with the data a copy of this disclaimer. The Minnesota Department of Transportation assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data.

The construction map ArcIMS application can be found at:
<http://www.dot.state.mn.us/maps/construction/>

The map service can be found with Mn/DOT's other map services at:
<http://gisservices.dot.state.mn.us>

Please direct all questions and comments to:
Joella Givens
joella.givens@dot.state.mn.us
651-234-7365

Forum Ideas List with Votes (sorted by total dots) (CC meeting handout 12/10/08)

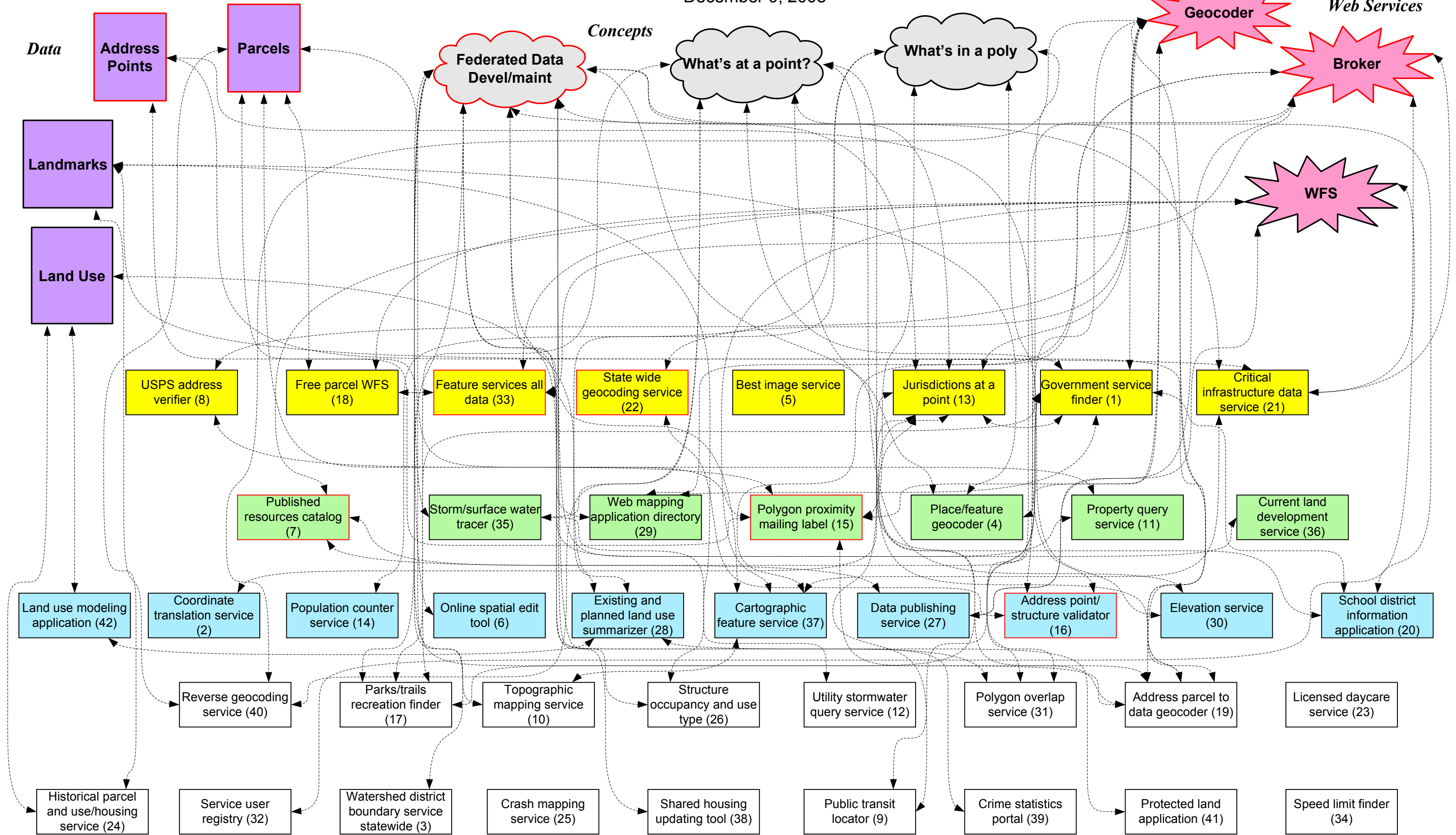
ID	Idea Name	Description	Total Dots	Blue	Ora	Red	Sectors Blue	Sectors Ora
18	Free parcel WFS	Free WFS parcel cadastral layer.	24	14	7	3	2	1
8	USPS address verifier	USPS verified address – input your address and it will reformat. Does it exist and what is its format?	21	13	8	0	5	3
22	Statewide geocoding service	Comprehensive statewide geocoding service.	21	11	8	2	7	2
5	Best image service	Best available image service so you don't have to choose between layers.	19	13	6	0	2	2
33	Feature services for all data	OGC-compliant feature services published for all data layers; KML too!	19	14	5	0	4	1
21	Critical infrastructure data services	WFS or portal service providing best sources of critical infrastructure data for emergency management. Pull down for use in secure environment.	19	13	3	3	6	4
13	Jurisdictions at a Point	For a location, what are the jurisdictions at that point? This is a specific example of proximity data search.	18	13	5	0	4	1
1	Government Service Finder	Find government services from a particular location – who do you contact, where do you go?	17	12	5	0	5	3
35	Storm/surface water tracer	Metro wide untreated water pathways – For a point, click on point and would branch through all sewer, ditch, culvert, pipe etc. data. Trace both upstream or downstream.	14	9	5	0	6	5
7	Published resources catalog	Published external geospatial services catalog so everyone knows about it. Just publish once and everyone is notified.	13	7	6	0	6	3
15	Polygon proximity mailing label	Seamless mailing label across jurisdictions.	13	9	4	0	5	2
4	Place/feature geocoder	Place of interest geocoder. Coordinates for non-address features. Park, lake, school, etc. Specific or more general query.	13	10	3	0	2	1
29	Web mapping application directory	Web mapping application dashboard – centralized launching to find many individual web applications, especially for cities, counties. Simple interactive map. Hyperlinked.	13	10	3	0	6	1
6	Online spatial edit tool	Online spatial edit tool (affordable)	11	6	4	1	5	1
11	Property query service	Property & utilities query service. Cross-jurisdictional, seamless. Affordable! Or free! Transaction cost vs. dataset acquisition cost.	11	8	3	0	3	1
36	Current land development service	Metro wide current development projects, including proposed.	11	8	3	0	6	4
2	Coordinate translation service	Coordinate translation service. Enter one value and it returns coordinate in other systems. Tabular data to PLS, for example.	11	10	1	0	3	0
42	Land use modeling application	Online modeling using pre-loaded multiple GIS layers.	10	7	2	1	6	2
14	Population counter service	Population counter service for a polygon.	10	9	1	0	6	3
37	Cartographic feature service	Best available cartographic feature service, based on scale. Includes annotation and placement.	10	9	1	0	3	3

30	Elevation service	Elevation service, return elevation for point or profile, and a contour or surface generator	9	6	3	0	6	4
28	Existing and planned land use summarizer	Land use summary service – extent of existing and planned land uses	9	7	2	0	6	1
27	Data publishing service	Data publishing service (e.g., publishing crash data that they have already) without hosting at their organization.	9	8	1	0	5	2
40	Reverse geocoding service	Geocoding service that calculates an address or landmark based off an xy coordinate	9	8	1	0	3	1
16	Address point/structure validator	Tool for validation of customer locations (the structure the company is serving). Structure location for a given address.	8	6	2	0	6	1
17	Parks/trails recreation finder	Parks/trails recreation finder.	8	7	1	0	4	1
20	School district information application	School district information application.	8	8	0	0	3	1
10	Topographic mapping service	Topographic mapping service – integrate best local information using standardized symbols, protocols, etc.	7	6	1	0	7	4
12	Utility stormwater query service	Stormwater query service.	7	6	1	0	4	0
26	Structure occupancy and use type	Building occupant type, daycare, hospitals, etc. – use of a structure and the area it encompasses.	7	6	1	0	4	1
31	Polygon overlap service	Polygon and lookup with proportional overlap. E.g., # of counties a city is in?	7	7	0	0	3	1
23	Licensed daycare service	Licensed daycare application service, statewide	6	5	1	0	6	0
24	Historical parcel land use and housing service	Current and historical land use and housing information for a given parcel. Something to track change, parcel history.	6	5	1	0	3	2
32	Service user registry	Service user registry.	6	5	1	0	6	3
19	Address parcel to data geocoder	Universal mailing address to parcel geocoder using parcel ID & returning coordinate of centroid of parcel. Then get all jurisdictions associated with it. Parcel is key and link into it is mailing address of parcel.	5	3	2	0	3	1
25	Crash mapping service	Crash mapping for intersection or road, e.g., search by time	5	3	2	0	7	4
3	Watershed district boundary service (statewide)	Watershed district and watershed management organization boundaries	5	4	1	0	3	1
9	Public transit locator	Incorporate existing transportation information services into other applications. Once you find something, how do you get there?	5	4	1	0	2	0
38	Shared housing updating tool	Shared housing updating tool, so don't have to redo updates every time you download the data.	4	2	2	0	6	3
39	Crime statistics portal	Repository & portal for sharing crime statistics and tracking	4	3	1	0	4	3
41	Protected land application	Unified view of protected land data.	4	4	0	0	5	1
34	Speed limit finder	Speed limits along stretches of road.	2	2	0	0	2	1

MetroGIS Applications and Web Services BUD (Big Ugly Diagram)

December 9, 2008

Applications and Web Services



41 Forum Ideas

= Involves current or previous work of MetroGIS

Fragment for
Government Service Finder & Jurisdictions at a Point
MetroGIS TLW 12/5/2008

