MetroGIS
REGIONAL PARCEL DATA PILOT PROJECT

SUMMARY DOCUMENT

November 1, 2000 to April 19, 2001
(Distribution of Prototype Dataset through Data Users Forum)

Prepared by
Jeanne Landkamer, MetroGIS Communications Consultant
Randall Johnson, MetroGIS Staff Coordinator
April 20-May 3, 2001

Background

In November 2000 MetroGIS released a prototype version of a regional parcel dataset covering the seven-county Twin Cities area. The dataset was assembled by a multi-county work team led by Gary Stevenson, Surveyor for Dakota County in October 1999. The work group volunteered to fill a need that had been identified by the MetroGIS Coordinating Committee during the early stages of its work to define the components of a regional solution to MetroGIS' Parcels Information Need. The prototype dataset contained more than 850,000 parcels and fourteen key attributes, including parcel identification number. Of the fourteen attributes, only eight were populated for all seven counties.[1]

About 220 government users of GIS in the Twin Cities area were sent a letter in October 2000 informing them of the availability of the prototype dataset and were invited participate in the MetroGIS Regional Parcel Data Pilot Project. The purposes of the Pilot were to determine whether the MetroGIS user community believed there was merit to a regional parcel data solution and, if so, what enhancements to the prototype would be needed to meet their business needs. Articles about the Pilot Project were also published in the GIS/LIS Consortium newsletter. Beginning, November 1, 2000, a total of 55 people responded and were sent the dataset on CD-ROM.

The Regional Parcel Data Pilot Project was made possible through a multi-party agreement between the seven counties metro area and Metropolitan Council, acting on behalf of MetroGIS. Negotiations began May 2000 and were completed October 2000. Through this agreement, the counties agreed to allow the Metropolitan Council to distribute the seven county (regional) prototype parcel dataset. A single license agreement, as opposed to the seven individual agreements used by the counties, was also agreed upon. The license allowed public sector users to test the dataset free of charge through June 30, 2001. The license prohibited redistribution of the dataset. In return for access to the data, users agreed to complete a written evaluation, participate in an interview if asked, and attend a peer review Forum held on April 19, 2001, at the John Rose Skating Facility in Roseville.

The goal of the April 19 Forum--the subject of this report--was to get feedback from the users to determine how well the dataset met their needs, what could be done to enhance the dataset, and explore how the dataset should be distributed. About 45 people came to the Forum, including dataset users from local, regional, state and federal government; several representatives invited from counties to observe and serve on a panel; and MetroGIS support staff.[2]

Participants (data users) were seated in a "U"-shaped configuration of facing the front of the room. Representatives from each county (data producers) sat at a table in the back of the room, observing the first half of the Forum. After a break, one representative from each county came to the front of the room to serve on a panel. Panelists answered questions and gave feedback as enhancements to the dataset were suggested and recorded.

---

[1] See the Results of Written Evaluations section of this document for a listing of these attributes.

[2] See Appendix A for a Forum agenda and list of participants.

Welcome and Introductions

Will Craig, Chair of the MetroGIS Coordinating Committee, opened the Forum by welcoming participants[3]. Mr. Craig offered a quick review of the MetroGIS vision[4], emphasizing how it was shaped by a cross-section of GIS practitioners within the Twin Cities area. He briefly discussed the 13 top priority business information needs endorsed by the MetroGIS Policy Board in May 1997, of which parcel boundaries is one. Mr. Craig noted that five of the priority needs are directly related to parcels and several others are closely related.

Mr. Craig invited each the participants around the table to introduce themselves and talk briefly about how they are using and can envision using a regional parcel dataset. A small sampling of the responses follows:

* Plan transportation routes for schools
* See what's happening outside our city border
* Conduct land use education
* Acquire conservation easements
* Analyze noise impacts around airports
* Project growth and effectively site new schools
* Do mailings for projects that impact property owners outside our jurisdiction
* Monitor development over time
* Conduct land supply studies
* Plan transportation corridors
* Site affordable housing
* Inventory land for possible annexation
* Make cross-jurisdictional comparisons
* Plan river corridor development and resource protection

Forum Objectives

Jay Krafthefer, LIS Supervisor in the Office of Land Management for the Minnesota Department of Transportation and a member of the MetroGIS Technical Advisory Team, reviewed the primary objectives of the Forum:

1) To determine what desired enhancements to the pilot regional parcel dataset are necessary to make it as useful as possible to constituent organizations, and,
2) If there is sufficient support to refine and distribute the dataset, determine the most appropriate distribution method.

Mr. Krafthefer explained that suggestions for enhancements are sought in four areas: spatial data, attribute data, metadata, and access/distribution. He described how solutions will be developed by

---

[3] See Appendix B for the complete PowerPoint presentation used by Mr. Craig and other presenters.

[4] The mission of MetroGIS: "To provide an ongoing, stakeholder governed, metro-wide mechanism through which participants easily and equitably share geographically referenced data that area accurate, current, secure, of common benefit and readily usable." Adopted in February 1996.

members of the Policy and Technical Advisory Teams and forwarded to the Coordinating Committee and Policy Board for action in summer 2001.
A regional parcel dataset, while valuable in and of itself, has a larger function in the GIS world, Mr. Krafthefer explained. The process of stitching together the data, refining it and determining how to distribute it-, and the agreements negotiated with each of the contributing parties--in this case, the counties--will serve as a model for developing other regional, state and national datasets in the future.

Finally, Mr. Krafthefer emphasized that the proposed regional solution is much more than data specifications. It involves reaching agreement among all affected parties as the organizational roles and responsibilities of primary producers (counties) and the regional custodian (to be determined), including be not limited, insuring the data submitted by the counties for assembly by the regional custodian is the same data received by the user, monitoring user satisfaction, sustaining an effective means of distribution, providing timely and effective policy guidance, etc.). He thanked everyone for taking time out their busy scheduled to assist MetroGIS on this very important project.

Creation of the Prototype Database

Gary Stevenson, Dakota County Surveyor, described how the multi-county work group stitched together parcel data from the seven counties into one database. In summary, each of the files submitted by the counties was translated to a common projection and assembled into the regional file. Normalized attributes (related data such as parcel identification number, owner name and city) were attached to the parcel geometry. A total of 14 attribute fields were attached to the parcels; eight of the fields were populated for all seven counties. The dataset was distributed on CD-ROM in its entirety (as opposed to distributing portions by special request to each licensee) to minimize time and effort.

Results of the Written Evaluations

As part of the pilot parcel dataset license agreement, users agreed to complete a written evaluation of the dataset. Of the 55 licensees who obtained the dataset, 32 submitted written evaluations. At the Forum, Theresa Foster, Technical Coordinator for MetroGIS, summarized the results of the written evaluations received to date.[5]

The results showed a universal interest in continuing to provide the eight attribute fields (parcel identification number, county code, owner name, house number, street name, city, zip code and year built) that were included for all parcels in the pilot dataset. In addition, users said the following attributes are desired for all parcels: land value, building value, total value, tax capacity, total tax and school district number. Other major findings include:

- The majority of respondents (61%) agreed that the level of horizontal spatial data accuracy needed in order for the parcel data to be useful to them is less than 10 feet.
- CD-ROM is the preferred method of data distribution (61%) followed by FTP (14%) and an interactive map service (11%). Some respondents listed no preference.

[5] See the Forum TurnAround Document at www.metrogis.org - for the evaluation Forum and a detailed accounting of the results.

- Over 60% for all evaluators would like parcel data distributed in shapefile format, 14% prefer Arc Export file format and the remainder who expressed a preference named formats such as raster, mif, dxf and shp.
- Overall, 38% of the evaluators would like parcel data updated on a quarterly basis; 29% prefer an annual update and 11% prefer a semi-annual update.

Identification of Desired Enhancements to the Parcel Dataset

After a break, the Forum reconvened with seven county representatives at a table in the front of the room to serve as a panel for the remainder of the afternoon. Panelists included Gary Swenson, Anoka County; Gordon Chinander, Carver County; Gary Stevenson, Dakota County; Bill Brown, Hennepin County; Curt Peterson, Ramsey County; Jim Hentges, Scott County; and Peggy Ryan, Washington County. Moderating the panel and the feedback session were: Trudy Richter, President of Richardson Richter and Associates; and Jay Wittstock, GIS Manager for URS/BRW.

The session began as the panelists, in turn, introduced themselves and talked about the development and status of the parcel databases in their respective counties[6]. From there, Mr. Wittstock asked each Forum participant what his or her top priority for enhancement to the regional parcel dataset would be[7]. Several participants named more than one. The responses were recorded and placed into one or more of the following four categories, written on easels at the front where everyone could see them: spatial accuracy, attribute accuracy, metadata and distribution. As enhancements were suggested, county panelists sometimes made comments about their feasibility or discussed other issues related to the suggestion. All responses were recorded in at least one of the four categories.

After everyone had an opportunity to name their preferred enhancement(s), each person was given four sticky dots, color-coded to match their respective organizational type. Participants were instructed to approach the lists on the easels and place their dots next to the items that represented their top priorities for enhancement of the regional dataset. Participants were given the option of marking four different items or putting up to four dots on one item. At the end of the exercise, the items that received the most dots were read aloud. They included:

- Spatial accuracy: add collar counties; better quality control; spatial accuracy; provide point-shape file for parcels with multiple addresses.

- Attributes: land use; sales history; owner and taxpayer address; number of living units; zoning; standardized name (property type); demographic data.

- Distribution: automated system; multiple software; user-specified area; bundle parcel data with street centerline and aerial photos.

---

[6] See the Forum TurnAround Document at www.metrogis.org - for the comments made by each county representative.

[7] See the Forum TurnAround Document at www.metrogis.org - for the comments made by each participant.

- Metadata: definition of field attributes; cross-jurisdictional metadata; quick reference to how metadata differs from county to county; metadata by county; regional metadata standards.

Once the priority enhancements were identified, each participant was asked to rank the enhancements, on a scale of 0 to 5, on a form provided by MetroGIS according to their importance to the participant's organization and their jobs. The results of the rankings were collected for later analysis[8].

Forum Conclusion and Next Steps

Jim Maxwell, vice president of The Lawrence Group and co-chair of the MetroGIS Technical Advisory Team, closed the Forum by thanking all the participants, reviewing the next steps in the pilot project, and encouraging the participants to fill out a Forum evaluation. All participants will receive a Forum summary in the mail.

Once the results of the Forum are analyzed by the MetroGIS support team, Maxwell said, the MetroGIS Policy and Technical Advisory Teams will identify feasible enhancements to the parcel dataset and determine the best method of distribution. A work plan will be recommended to the MetroGIS Coordinating Committee and Policy Board for action in June and July, respectively.

Post Forum Activity Status Report

On May 2, 2001, the MetroGIS Policy and Technical Advisory Teams concurred the results of the Pilot Project support MetroGIS' efforts to implement an ongoing regional parcel dataset. The Teams also agreed on a series of next steps and policy recommendations for enhancement and distribution of an ongoing, regularly updated regional parcel dataset. These recommendations will be presented to the MetroGIS Coordinating Committee on May 22 and to the Policy Board on July 11. While some desired enhancements may not be feasible at present, the regional parcel solution concept, if endorsed by the Policy Board, will continue to evolve so that additional enhancements may become possible in the future. The Metropolitan Council GIS supervisor has also agreed that the Metropolitan Council, if asked by the Policy Board as has been recommended by the Policy and Technical Advisory Teams, will accept the role of regional custodian for the regional parcel dataset.

[8] See Appendix C for the results of this exercise.

APPENDIX A

FORUM PROGRAM AND PARTICIPANTS

DATA USER FORUM PARTICIPANTS:

Participant:	Organization Name	Organization Type	Cross-Jurisdictional/ Contiguous
Jay Achenbach	MN Office of Technology	State	X
Bob Basques	City of St. Paul	City	X
Solveig Berg	Metropolitan Council GIS	Metro	X
Dick Carlstrom	TIES	School District	X
Chuck Corliss	White Bear Lake Sch Dist 624	School District	X
Jim Ford	Hennepin Cty/Planning & Dev.	County	X
Conor Donnelly	MN Board of Water and Soil Resources	State	X
Nancy Duncan	National Park Service	Federal	X
Dave Fritzke	City of Crystal	City	NO
Rick Gelbmann	Metropolitan Council GIS	Metro	X
Joella Givens	MN Dept. of Transportation	State	X
Bryan Hahn	MN Office of Technology	State	X
Chris Jensen	City of Coon Rapids	City	X
Daphne Karypis	Science Museum of Minnesota	3rd Party – Met Council	X
Mark Kill	Metropolitan Airports Commission	Metro	X
David Kotilinek (Rebecca Blue)	City of North St. Paul (Short Elliot Hendrickson)	City (3rd Party – City)	X
Wilson Nightshadow	Anoka-Hennepin - ISD #11	School District	X
Richard Person	City of St. Paul	City	X
Jim Ramstrom	LMIC / 330 Centennial Bldg.	State	X
Nancy Read	Metropolitan Mosquito Control District	Metro	X
Bart Richardson	DNR - Metro Region	State	X
Ciara Schlichting	Metropolitan Council-Planning	Metro	X
Patrick Trudgeon	City of Ramsey	City	X
Greg Utecht	Lakeville Public School District - No. 194	School District	X
Mark Vanderschaaf	City of St. Paul	City	X
Ben Wikstrom	City of Belle Plaine	City	X

David Windle	City of Roseville	City	X

* 26 Participants have jurisdictions that are contiguous (*Contiguous – sharing a boundary, in this case, a county boundary, or physically touching each other)*

APPENDIX B

SPEAKER PRESENTATION SLIDES

Regional Parcel Dataset: Data Users Forum

John Rose Skating Facility
Roseville, MN
April 19, 2001

Organization Web Site: www.metrogis.org

Data Web Site: www.datafinder.org

Welcome, Introductions, and Context

Will Craig
Chair, MetroGIS Coordinating Committee

Today's Moderators

Trudy Richter
President, Richardson and Richter Associates &
Member of MetroGIS Support Team

Jay Wittstock
GIS Manager, URS/BRW &
Member of MetroGIS Support Team

Today's Presenters

Will Craig
Associate Director CURA – U of M &
Chair, MetroGIS Coordinating Committee

Jay Krafthefer
Land Surveyor, Mn/DOT &
Member, MetroGIS Technical Advisory Team

Gary Stevenson
Director - Land Information and Survey, Dakota County &
Member, MetroGIS Coordinating Committee

Theresa Foster
MetroGIS Technical Coordinator

Jim Maxwell
Vice-President, The Lawrence Group &
Co-Chair, MetroGIS Technical Advisory Team

Metropolitan County Representatives

Ed Shukle
Anoka County

Gary Swenson
Anoka County

Larry Hoium
Dakota County

Gordon Chinander
Carver County

Gary Stevenson
Dakota County

Randy Knipple
Dakota County

Gary Caswell
Hennepin County

Bill Brown
Hennepin County

David Claypool
Ramsey County

Curt Peterson
Ramsey County

Jim Hentges
Scott County

David Brandt
Washington County

Peggy Ryan
Washington County

MetroGIS Staff Support

Randall Johnson
MetroGIS Staff Coordinator

Theresa K. Foster
MetroGIS Technical Coordinator

Jeanne Landkamer
MetroGIS Support Team - Communications

Forum Participants

- Who you are
- Who you represent
- Your interests in parcel data

The MetroGIS Vision

The MetroGIS vision emerged out of a 1995 strategic planning retreat that convened a representative cross-section of GIS practitioners within the metropolitan region.

"Provide an ongoing, stakeholder governed, metro-wide mechanism through which participants easily and equitably share geographically referenced data that are accurate, current, secure, of common benefit and readily usable."

Common Information Needs

Based upon an extensive survey of the region's data users, the Policy Board endorsed a list of top priority information needs in May 1997:

- Jurisdictional boundaries
- *Street addresses*
- Land use (planned)
- *Rights to property*
- *Parcel boundaries*
- Lakes, wetlands, etc.
- *Land use (existing)*
- Census boundaries
- Where people live
- Land regulations
- Highway/road networks
- Socio-economic characteristics
- *Parcel identifiers*

(Related to Parcels)

Welcome

(Con't)

- Parcel Data - Top Priority Information Need
- Today's Forum Extension of Work That Began Fall 1998
- Regional Database Concept - Data Specifications *Plus* Organizational Roles
- Pilot - Test Concept, Not End in Itself

Today's Agenda

Moderator - Trudy Richter

- **Forum Objectives** - *Jay Krafthefter*
- **Creation of Pilot Database** - *Gary Stevenson*
- **Summary of Written Evaluations** - *Theresa Foster*
- **Desired Enhancements** - *Jay Wittstock*
- **Next Steps and Closing** - *Jim Maxwell*

Forum Objectives

Jay Krafthefer,
MetroGIS Technical Advisory Team

- Concept of Regional Dataset
- Users -- Government business interests that cross county boundaries related to parcel data
- Focus -- Enhancements that if achieved, would help you do your job more effectively
- Type of Enhancements:
  - Data-related (data content, accuracy, currency, etc..)
  - Access/distribution-related
  - Metadata

MetroGIS Parcel Database "Stitch" Workgroup Metro County GIS Staff 10/13/99

Investigate How to Develop and Create a Regional Prototype Parcel Database of Existing County Data to Gain Better Understanding of the Issues and Actual Effort Required to Merge Parcel Data From Metro Counties.

Strategy

- Counties provide ArcView shapefiles of parcel polygons with unique identifier
- Transform parcel polygons to UTM, zone 15, meters
- Develop normalized attribute tables using data matrix previously developed by MetroGIS parcel subcommittee

Dakota County Process

- All data transformed either by the county or using supplied coordinate information - Anoka county didn't transform
- Attributes reduced to PIN, FIPS code, owner, address, and values using MS access
- Parcel polygons summarized by PIN
- Total effort approximately 20 hrs.

Parcel Areas

- Projected to UTM zone 15, NAD 83
- Removed parcels without PINs
- Merged on PIN – one area per PIN
- Added 3 digit FIPS county code
- Combined into single shapefile
- Indexed on PIN and shape for performance

Property Attributes

- Integrated with combined parcel areas
  - Imported shapefile .dbf to MS access
  - Imported attribute data to MS access
  - Added FIPS code to attribute data PIN
  - Added fields to shapefile attributes
  - Defined queries to update attributes fields

MetroGIS Parcel Database Workgroup 12/13/99

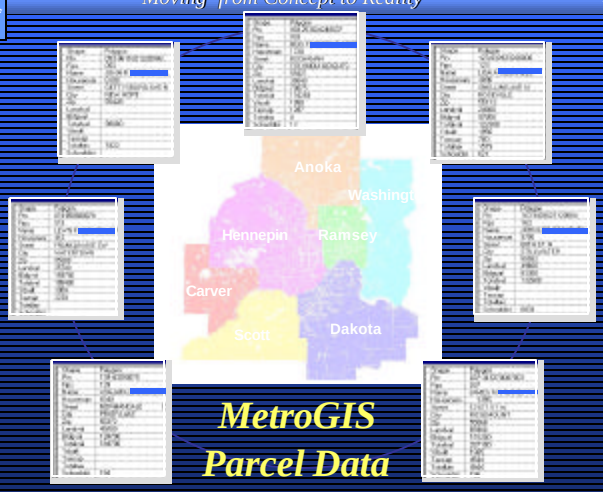
Review work completed
Recommendations to MetroGIS

Geography Results

- Counties fit together very well, except Anoka - demonstrates positive effects of using GPS control on the Public Land Survey corners
- Simplified project - parcel polygons only on parcels with PIN - others removed

Attribute Results

- Limited to assessor database
- Each county has different codes
- Simplified project reduced attributes to:
  - Pin
  - Owner
  - Address
  - Values



MetroGIS Parcel Data

Data Performance Testing

- ArcView (GIS analysis)
- ArcExplorer
  - Free from ESRI
- Web-based applications using internet standard applications from ESRI
  - Minimal effort (2 hrs.)
  - No development cost

ArcView Project

- Thematic displays
  - Combined shapefile
    - By county
    - By total value
  - Individual shapefiles
    - By county
- Search by PIN
  - Combined shapefile
  - Individual shapefiles

Conclusion

- Project demonstrated that a regional parcel database could be "stitched" together with little effort & expense
- Just a start - many issues involving attributes & accuracy need to be addressed
- Need to work cooperatively to resolve problems & issues

Recommendations to MetroGIS

- Develop normalized attribute data
- Cooperatively develop processing procedures
- Develop iterative process to deal with issues such as:
  - Gaps & overlaps
  - Multiple PIN parcels
  - Multiple polygons per PIN
  - Water & right of ways

Possible Scenarios

- MetroGIS maintains FTP site, web site, & web applications
- Counties run automated pre-processing procedure to prepare data, transform to UTM, and upload to MetroGIS server
- Server runs automated procedure to combine, verify, and install data for applications
- **No modifications to parcel geometry! Counties responsible for correcting problems**

Future Activities of Workgroup

- Goal was accomplished
- Data turned over to Metropolitan Council staff
- MetroGIS committees to continue effort

Summary of Written Evaluations

Theresa Foster,
MetroGIS Technical Coordinator

Summary of Written Evaluations

- **Stakeholder Participation**
- **Report Evaluation Form Results**
  - **Planned/Existing Uses**
  - **Data Content and Data Distribution**
  - **Metadata**
  - **Value of Parcel Data to Organizations**

Stakeholder Participation

Evaluation Statistics

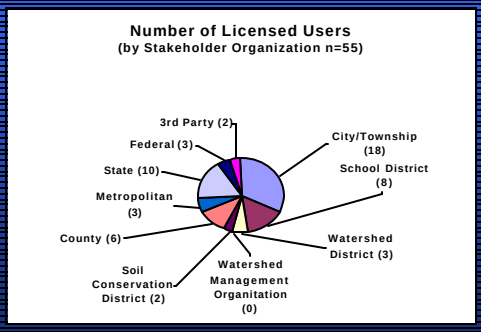
November 2000-March 2001 (5 months)

Number of Licenses = 55* (25% response)

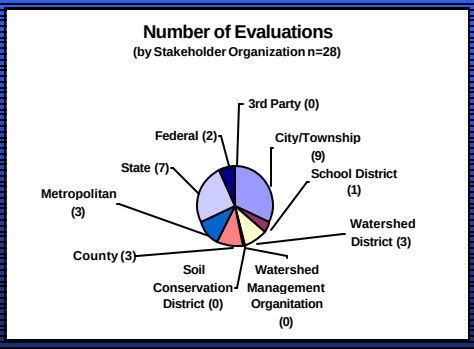
Number of Evaluations = 28 (51% response)

*Includes 3-3rd Party Evaluators on behalf of Stakeholders

Stakeholder Participation



Stakeholder Participation



Report of Evaluation Form Results

Planned/Future Uses of the Regional Parcel Dataset?

- Need to access information on parcels in municipalities that extend beyond county boundary
- Generate mailing labels for notification of upcoming projects/issues
- Identify land ownership for preservation & conservation projects
- Retrieving data/information outside of city limits
- Comparison w/ land use, property values and housing stock in region
- School district parcels outside of county boundary

How did you use the regional parcel dataset in your evaluation?

- Pre-permit and watershed district project reviews. Including location, size, boundaries, owner of parcels.
- Verified school district boundaries at perimeters
- We performed cross-county parcel searches to produce mailing labels.
- Produce land ownership maps, combined with natural resources.
- Overlaid orthophotos to investigate the new 169 crossing (Hennepin to Anoka counties)

MetroGIS Benefits of Regional Datasets

- *Positionally accurate geospatial data* (Data Content)
- *Consistent attributes* (Data Content)
- *Consistent metadata* (Metadata)
- *Updated frequently and available in a timely fashion* (Data Distribution)
- *Easy to use format* (Data Distribution)

Moving from Concept to Reality

Data Content

Available Attributes:

Available Attributes:	City/ Township	School District	Watershed District	County	Metropolitan Government	State	Federal
Parcel ID (PIN)*	7	1	2	2	2	4	1
County ID (FIPS)*	1	1	2	1	2	4	2
Owner Name*	7	1	3	2	3	2	2
House Number*	5	1	2	2	3	5	2
Street Name*	6	1	2	2	3	5	2
City Name*	7	1	2	2	3	3	2
Zip Code*	4	1	2	2	3	4	2
Land Value	6	1	1	1	2	4	
Building Value	5	1	1	1	2	3	
Total Value*	6	1	1	1	2	4	
Tax Capacity	6	1	1	1	1	1	
Total Tax	5	1	1	1	1	1	
Year Built	5	1	2	1	2	4	2
School District Number	4	1		2	1	1	

Moving from Concept to Reality

Data Content

List of Attributes to Include in the Future?

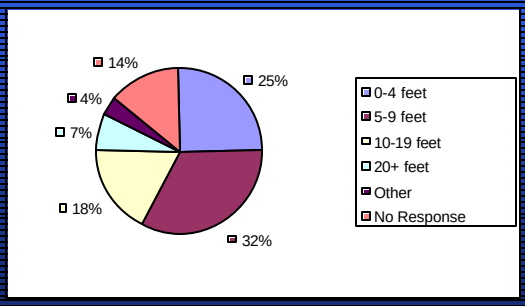
Future Available Attributes:	City/ Township	School District	Watershed District	County	Metropolitan Government	State	Federal
Gen/Land Use	5				1	2	
Last Sale Date (Year Only)	2				3	1	
Zoning Code	2				2	1	
Watershed District Number	1					2	
Last Sale Price	2				1		

* Approximately 54 total attributes collected

Moving from Concept to Reality

Data Content

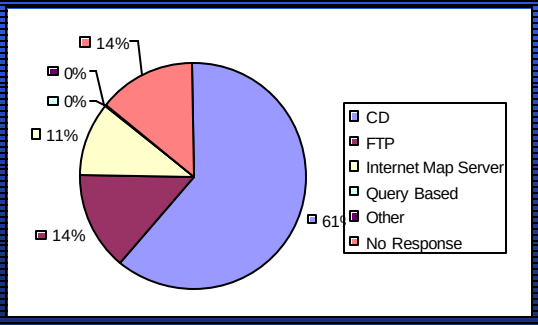
Level of Horizontal Spatial Accuracy do you require?



Moving from Concept to Reality

Data Distribution

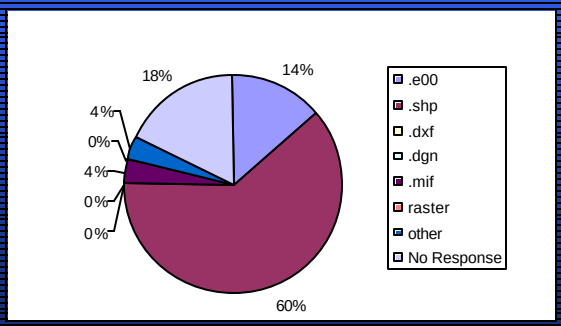
Preferred Data Distribution Mechanism?



Moving from Concept to Reality

Data Distribution

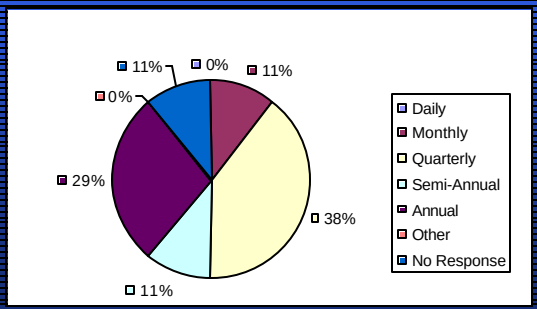
Preferred Data Distribution Format?



Moving from Concept to Reality

Data Distribution

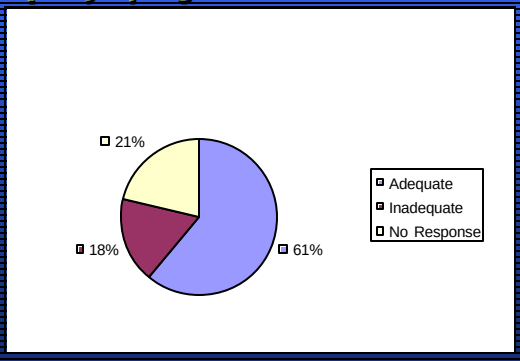
Preferred Data Maintenance Update Schedule?



Moving from Concept to Reality

Metadata

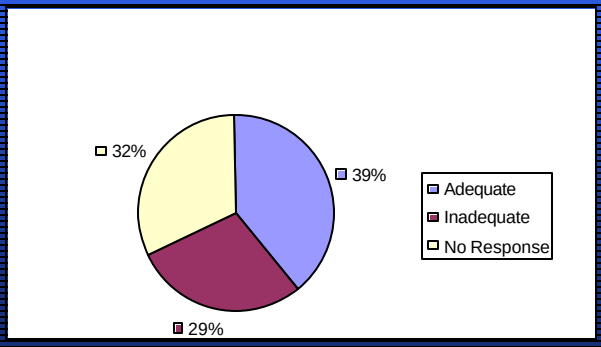
Adequacy of regional dataset metadata?



Moving from Concept to Reality

Metadata

Adequacy of individual counties metadata?



Moving from Concept to Reality

Metadata

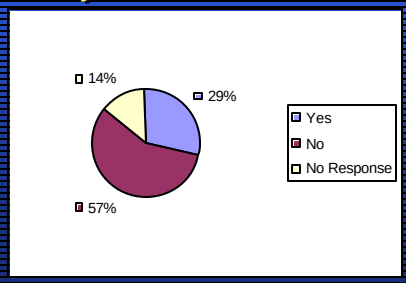
If inadequate, state how to improve metadata?

- Missing entity and attribute info in county metadata. Some things need explanation. *(County Metadata Inadequate)*
- Not enough on how you chose which fields from original data set to current. Is address property address or owner's address? Metadata from counties also does not describe field contents. *(Regional and County Metadata Inadequate)*
- Some of the counties metadata is more complete than others. In particular, the important pieces for us include a complete description of attributes. The entity and attribute section is critical. The data quality section is also very important and needs to be complete for each county. Quick reference metadata with side-by-side comparison of variations between counties for each element. *(Regional and County Metadata Inadequate)*

Moving from Concept to Reality

Value to Organization

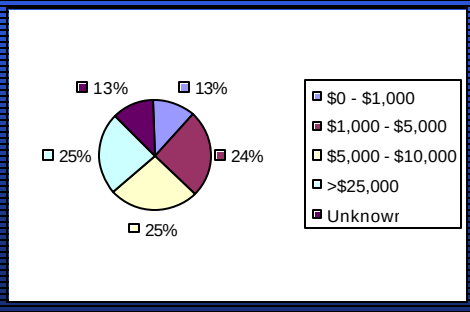
Does your organization currently purchase or outsource manipulation of parcel boundary and/or attribute data from multiple counties to enable use for your business needs?



Moving from Concept to Reality

Value to Organization

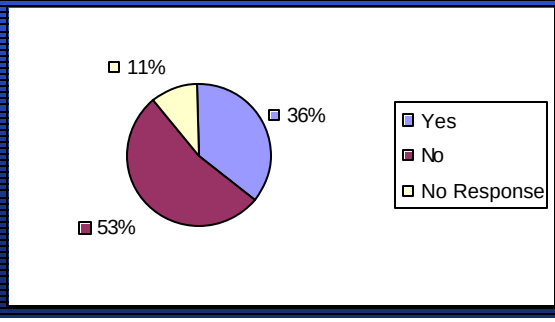
Estimated annual budget to accomplish?



Moving from Concept to Reality

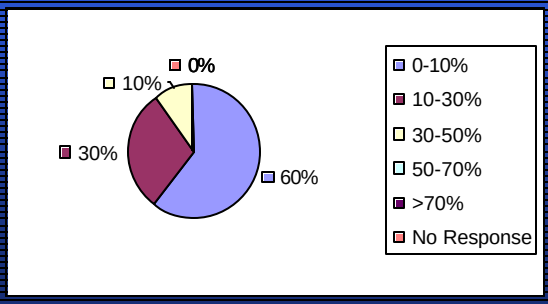
Value to Organization

Does your organization employ staff that manipulate parcel boundary and/or attribute data from multiple metro area counties?



Value to Organization

Approximately what percent of their time is spent on these activities?



Break

Desired Enhancements

Jay Wittstock, Facilitator
MetroGIS Support Team (URS/BRW)

- Group Exchange
- Ranking of Desired Enhancements

Desired Enhancements

- Group Exchange
  - Top Enhancement - Categorize into:
    - Spatial Accuracy
    - Attribute Accuracy
    - Metadata
    - Distribution
  - Discussion of Enhancements
- Ranking of Desired Enhancements

Next Steps / Closing

Jim Maxwell,
Co-Chair, MetroGIS Technical Advisory Team

- Forum Summary
- Prepare Next Steps Work Plan (hand out for activities)
- Policy Board Consideration on July 11
  - *Merit to Continuing Support of Concept of Regional Parcel Dataset*
  - *Desired Data Content Enhancements*
  - *Desired Data Distribution/Access Enhancements*
- Complete Session Evaluation

THANK YOU FOR PARTICIPATING

APPENDIX C

SUMMARY OF ENHANCEMENT RANKING EXERCISE

The Forum exercise resulted in a ranked list of suggested enhancements to the regional parcel dataset on a 0-5 scale – "0" being no need for and "5" being extremely important[9]. Those desired enhancements that scored higher than "3" are listed here. These scores were computed based upon the respondent scores from the organizations represented on the MetroGIS Policy Board.

Define attributes - 4.28
Point coverage/addresses - 4.22
Land use - 4.00
Number of units - 4.00
Sales history – 3.72
Accuracy – 3.56
Owner Address – 3.56
Regional metadata - 3.44
Zoning - 3.35
User Specified Area – 3.33
County metadata - 3.22
Demographics - 3.17
Automated Distribution - 3.06

The summary tables that these numbers were taken from are provided in Appendix D. These results will be presented to a joint meeting of the MetroGIS Policy and Technical Advisory Teams on May 2nd for recommendation of next steps.

[9] See Appendix D for complete results of the ranking exercise, ranked all organizations, Policy Board organizations, within the four categories of desired enhancements and as an entire group.

APPENDIX D

RESULTS OF EXERCISE
TO
RANK DESIRED ENHANCEMENTS

REGIONAL PARCEL DATA USERS FORUM
RANKING OF DESIRED ENHANCEMENTS – ALL ENHANCEMENTS
(SUMMARY BY ORGANIZATION TYPE)
(Sorted by Column Shaded)

DESIRED ENHANCEMENT		ORGANIZATION TYPE											
		All	*All*	*Board Orgs***	*Other Gov't*	*City*	*Schools*	*County*	*Regional*	*State*	*Federal*	*Watershed*	*Soil Cons.*
Code	*Short Name*	*Dot score*	*0-5 score*	0-5 score	*0-5 score*	*0-5 score*	*0-5 score*	*0-5 score*	*0-5 score*	*0-5 score*	*0-5 score*	*0-5 score*	*0-5 score*
M1	Define attributes	4	4.35	4.28	4.60	3.86	4.25	5.00	4.67	4.75	4.00		
G3	Point Coverage-Addr.	1	3.65	4.22	1.60	3.86	4.75	3.00	4.50	1.50	2.00		
A1	Land Use	13	3.95	4.00	3.75	3.71	4.00	5.00	4.17	4.00	3.00		
A4	# units	6	3.48	4.00	1.25	3.17	4.25	5.00	4.50	1.67	0.00		
A2	Sales History	7	3.27	3.72	1.25	3.71	3.00	3.00	4.33	1.67	0.00		
G4	Accuracy	2	3.67	3.56	4.00	3.80	2.25	3.00	4.33	4.00	4.00		
A3	Owner Address	6	3.50	3.56	3.25	4.00	3.00	1.00	3.83	2.67	5.00		
M5	Regional Metadata	4	3.43	3.44	3.40	3.00	3.25	5.00	3.83	3.75	2.00		
A5	Zoning	9	3.33	3.35	3.25	3.14	3.50	4.00	3.40	3.00	4.00		
D3	User Specified Area	2	3.09	3.33	2.20	3.43	4.25	3.00	2.67	2.75	0.00		
M4	County Metadata	0	3.26	3.22	3.40	2.86	3.00	4.00	3.67	3.50	3.00		
A7	Demographics	4	2.95	3.17	2.00	2.71	4.75	4.00	2.50	2.33	1.00		
D1	Automated	2	3.09	3.06	3.20	2.29	3.75	0.00	4.00	3.75	1.00		
G2	QC/QA	3	3.13	2.94	3.80	3.14	2.50	1.00	3.33	3.75	4.00		
M2	Cross Jurisdictional	2	3.17	2.94	4.00	2.57	2.75	4.00	3.33	4.25	3.00		
D2	Multiple Software	2	2.73	2.76	2.60	2.00	4.00	1.00	3.20	2.75	2.00		
A6	Private/excempt	4	2.75	2.71	3.00	3.17	2.50	4.00	2.60	2.00	5.00		
M3	Quick Comparision-Cty	1	2.83	2.61	3.60	2.43	2.25	4.00	2.83	4.00	2.00		
D4	Bundle w/TLG & Ortho	2	2.14	2.39	1.00	2.14	2.75	4.00	2.17	1.33	0.00		
G1	Add Collar Counties	5	2.30	1.94	3.60	1.14	1.75	5.00	2.50	4.50	0.00		
	Number of Respondents	79	23	18	5	7	4	1	6	4	1	0	0

**Note: Board Organizations means organizations that have a voting seat on the MetroGIS Policy Board

No Repondents

Code Key

A- Attribute/ Assessors Data
G- Spatial/Geographic data
M- Metadata
D- Distribution

REGIONAL PARCEL DATA USERS FORUM
RANKING OF DESIRED ENHANCEMENTS BY CATEGORY)
(SUMMARY BY ORGANIZATION TYPE)
(Sorted by Column Shaded)

DESIRED ENHANCEMENT		ORGANIZATION TYPE											
		All	*All*	*Board Orgs***	*Other Gov't*	*City*	*Schools*	*County*	*Regional*	*State*	*Federal*	*Watershed*	*Soil Cons.*
Code	*Short Name*	*Dot score*	*0-5 score*	*0-5 score*	*0-5 score*	*0-5 score*	*0-5 score*	*0-5 score*	*0-5 score*	*0-5 score*	*0-5 score*	*0-5 score*	*0-5 score*
A1	Land Use	13	3.95	4.00	3.75	3.71	4.00	5.00	4.17	4.00	3.00		
A4	# units	6	3.48	4.00	1.25	3.17	4.25	5.00	4.50	1.67	0.00		
A2	Sales History	7	3.27	3.72	1.25	3.71	3.00	3.00	4.33	1.67	0.00		
A3	Owner Address	6	3.50	3.56	3.25	4.00	3.00	1.00	3.83	2.67	5.00		
A5	Zoning	9	3.33	3.35	3.25	3.14	3.50	4.00	3.40	3.00	4.00		
A7	Demographics	4	2.95	3.17	2.00	2.71	4.75	4.00	2.50	2.33	1.00		
A6	Private/exempt	4	2.75	2.71	3.00	3.17	2.50	4.00	2.60	2.00	5.00		
G3	Point Coverage-Addr.	1	3.65	4.22	1.60	3.86	4.75	3.00	4.50	1.50	2.00		
G4	Accuracy	2	3.67	3.56	4.00	3.80	2.25	3.00	4.33	4.00	4.00		
G2	QC/QA	3	3.13	2.94	3.80	3.14	2.50	1.00	3.33	3.75	4.00		
G1	Add Collar Counties	5	2.30	1.94	3.60	1.14	1.75	5.00	2.50	4.50	0.00		
M1	Define attributes	4	4.35	4.28	4.60	3.86	4.25	5.00	4.67	4.75	4.00		
M5	Regional Metadata	4	3.43	3.44	3.40	3.00	3.25	5.00	3.83	3.75	2.00		
M4	County Metadata	0	3.26	3.22	3.40	2.86	3.00	4.00	3.67	3.50	3.00		
M2	Cross Jurisdictional	2	3.17	2.94	4.00	2.57	2.75	4.00	3.33	4.25	3.00		
M3	Quick Comparision-Cty	1	2.83	2.61	3.60	2.43	2.25	4.00	2.83	4.00	2.00		
D3	User Specified Area	2	3.09	3.33	2.20	3.43	4.25	3.00	2.67	2.75	0.00		
D1	Automated	2	3.09	3.06	3.20	2.29	3.75	4.00	4.00	3.75	1.00		
D2	Multiple Software	2	2.73	2.76	2.60	2.00	4.00	0.00	3.20	2.75	2.00		
D4	Bundle w/TLG & Ortho	2	2.14	2.39	1.00	2.14	2.75	1.00	2.17	1.33	0.00		
	Number of Respondents	79	23	18	5	7	4	1	6	4	1	0	0

**Note: Board Organizations means organizations that have a voting seat on the MetroGIS Policy Board

Organization Types represented on the Policy Board are: cities, school districts, watershed districts, counties and the Metropolitan Council

No Repondents

Code Key

A- Attribute/ Assessors Data
G- Spatial/Geographic data
M- Metadata
D- Distribution