MIAMI VALLEY
Regional Planning Commission

Regional Geographic Information System (GIS)
Needs Assessment Survey Results
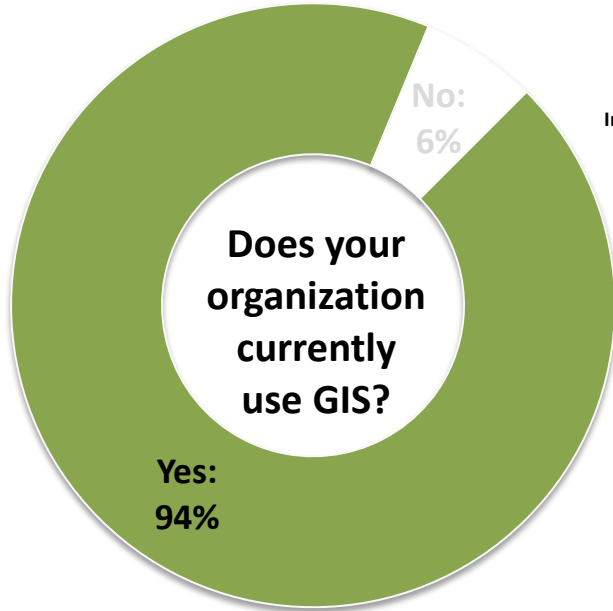
August 12, 2015

BACKGROUND

- PURPOSE

  - Identify how GIS is used in the Miami Valley Region and better understand various needs that exist at the local and regional level
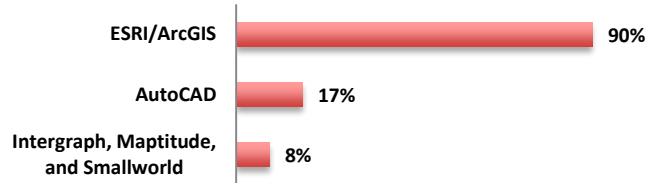
- SURVEY

  - First survey was conducted between May 6, 2015 – May 22, 2015 and the follow-up survey was conducted between July 7, 2015 – July 21, 2015

  - Each survey was sent out directly to 126 recipients (GIS professionals and/or administrators in the local jurisdictions and other regional organizations) with additional promotion to Southwest Ohio GIS Users Group members

  - A total of 64 participants during the first survey and 45 participants during the follow-up survey
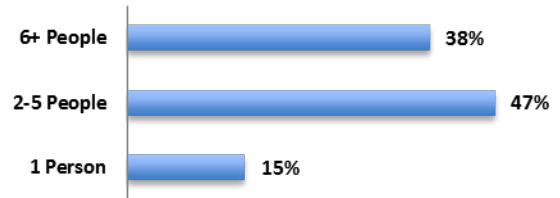
CURRENT GIS USERS

Does your organization currently use GIS?

No: 6%

Yes: 94%

What software do you use?

- ESRI/ArcGIS — 90%
- AutoCAD — 17%
- Intergraph, Maptitude, and Smallworld — 8%

How many people use GIS?

- 6+ People — 38%
- 2-5 People — 47%
- 1 Person — 15%

What activities do you currently do with GIS?

- Mapping — 100%
- Analysis — 68%
- Inventory — 68%
- Other (Data Modeling / Sharing) — 13%

CURRENT GIS USERS

Does your organization currently use GIS?

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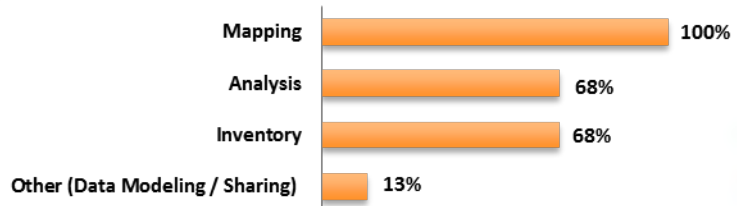
IN THE FUTURE, WE ANTICIPATE …

- **Using Mobile Technology**
- **Using Web Technology**
- **More Data Inventory**
- **More Data Analysis**
- **Get More Training**

CURRENTLY NOT A GIS USER

Does your organization currently use GIS?
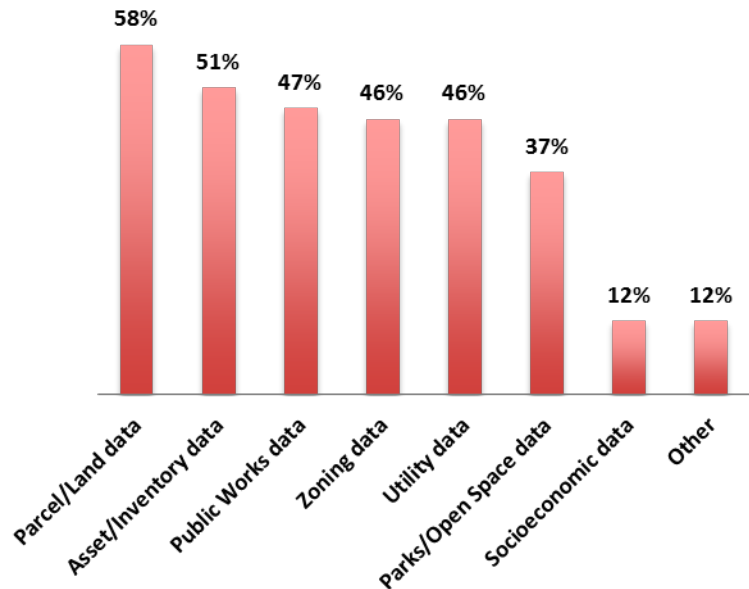
No: 6%

Yes: 94%

Even though there were only 4 organizations who responded as "not current GIS users," all of them expressed their interest in using GIS in the future for:

- Mapping (All 4)
- Inventory (3 out of 4)
- Analysis (3 our of 4)

GIS DATA INVENTORY

What data do you maintain on a regular basis?

Other includes: Real Estate Data, Water Resource Data, and Transportation Data

What data do you need that you currently do not have?

By Subject

- **Utility Data: Water, Sanitary Sewer, Oil and Gas, Electric, and Cable**
- **Transportation Data: Sidewalks, Street Addresses, Bike Routes, and Transit Routes**
- **Asset Data: Point of Interest and Community Assets**
- **Census Demographic Data**
- **Land Use/Land Cover Data**
- **Topographic Data**

By Geography
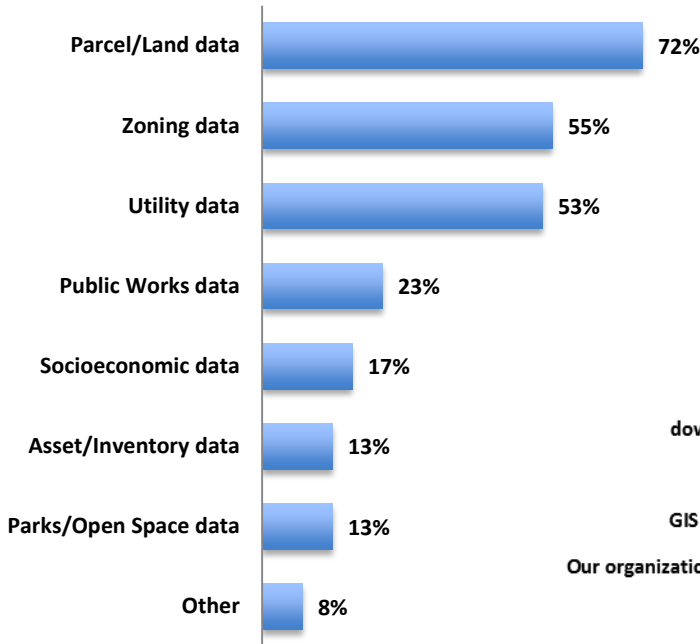
- **Regional/Countywide Data**

By Format

- **3D Data**

PUBLIC GIS DATA INTERESTS

What GIS data are most often requested from the public?

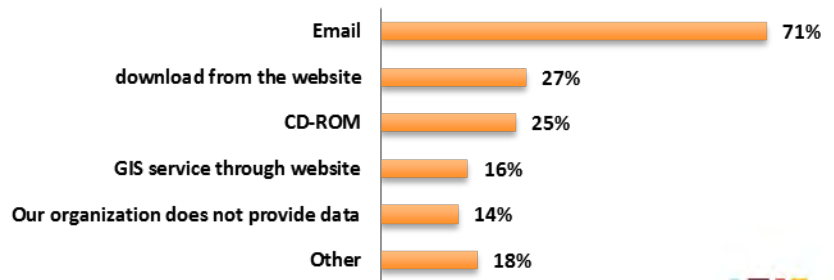| Category	Percentage
Parcel/Land data	72%
Zoning data	55%
Utility data	53%
Public Works data	23%
Socioeconomic data	17%
Asset/Inventory data	13%
Parks/Open Space data	13%
Other	8%

Other includes: Floodplain Data, Water Resource Data, and Topographic Data

What geographic information is requested that you can't provide?

- Zoning at the Township level
- Utility Information
- Socioeconomic information at the Community and Sub-Community levels
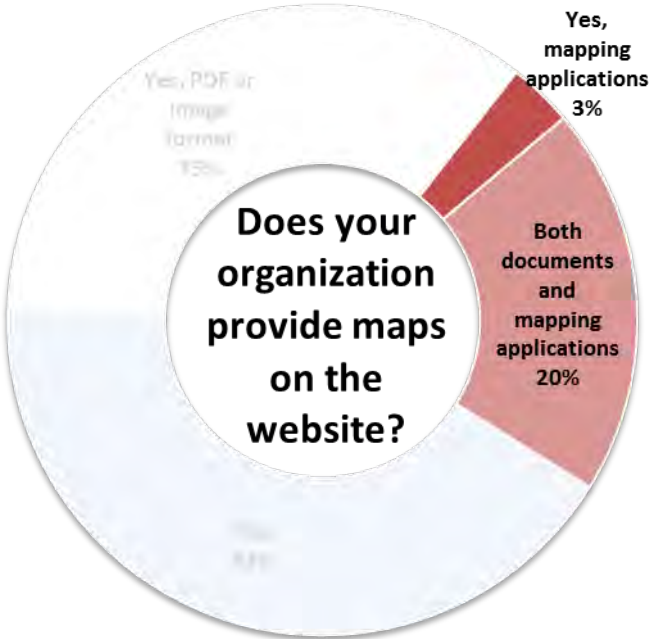
How do you provide the requested data?

Method	Percentage
Email	71%
download from the website	27%
CD-ROM	25%
GIS service through website	16%
Our organization does not provide data	14%
Other	18%

Other includes: FTP, Hard Copy, and No Capacity

MAP APPS ON THE WEB

Does your organization provide maps on the website?

- Yes, PDF or image format 75%
- Yes, mapping applications 3%
- Both documents and mapping applications 20%

What data do you provide through your mapping applications on your website?

Data	Percentage
Parcel/Land data	77%
Parks/Open Space data	46%
Zoning data	46%
Asset/Inventory data	23%
Public Works data	15%
Socioeconomic data	8%
Utility data	0%
Other (Transportation and Water Resources Data)	15%
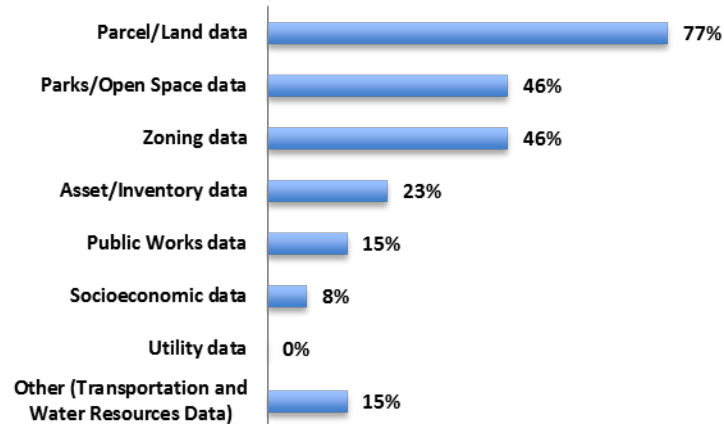
Are there any other mapping application(s) that your organization is interested in pursuing in the future?
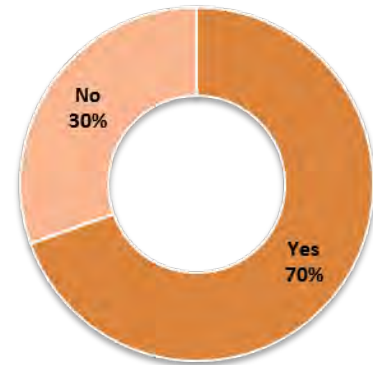
- Business Directory
- Parks
- Tableau
- Emergency Management Information
- Infrastructure
- Future Land Use
- Asset Management

NO MAP APPS ON THE WEB
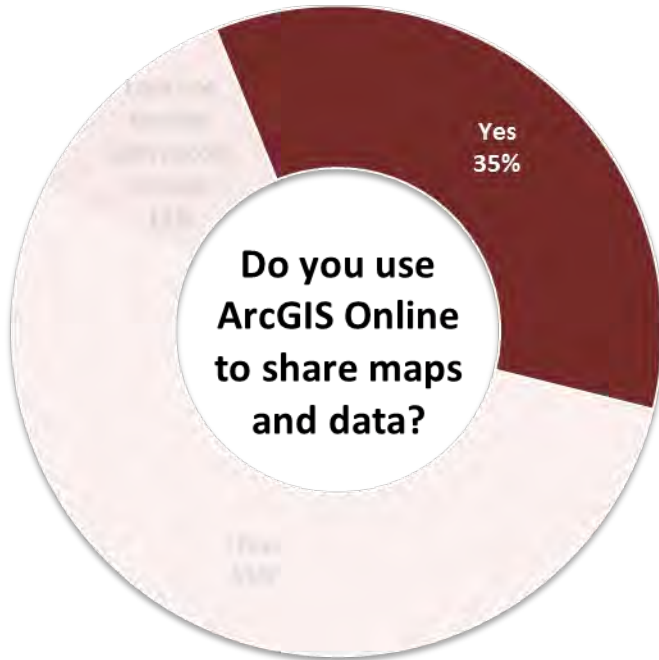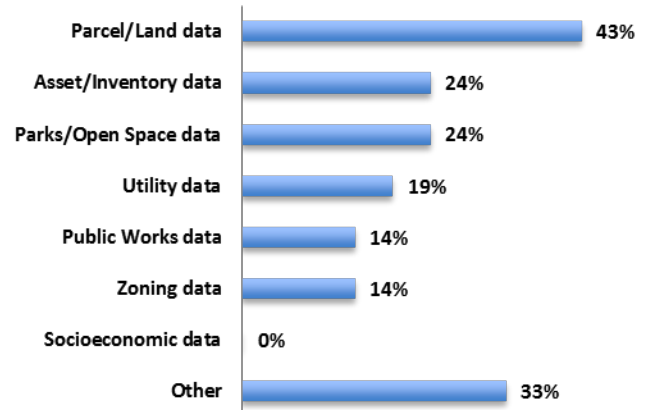
Does your organization provide maps on the website?

- Yes, PDF or image format 35%
- Yes, mapping applications 3%
- No 42%

Are you interested in providing mapping applications on your website as a way to share maps?

- No 30%
- Yes 70%

ARCGIS ONLINE USERS

Do you use ArcGIS Online to share maps and data?

Yes 35%

What do you currently share on ArcGIS Online?

Category	Percent
Parcel/Land data	43%
Asset/Inventory data	24%
Parks/Open Space data	24%
Utility data	19%
Public Works data	14%
Zoning data	14%
Socioeconomic data	0%
Other	33%

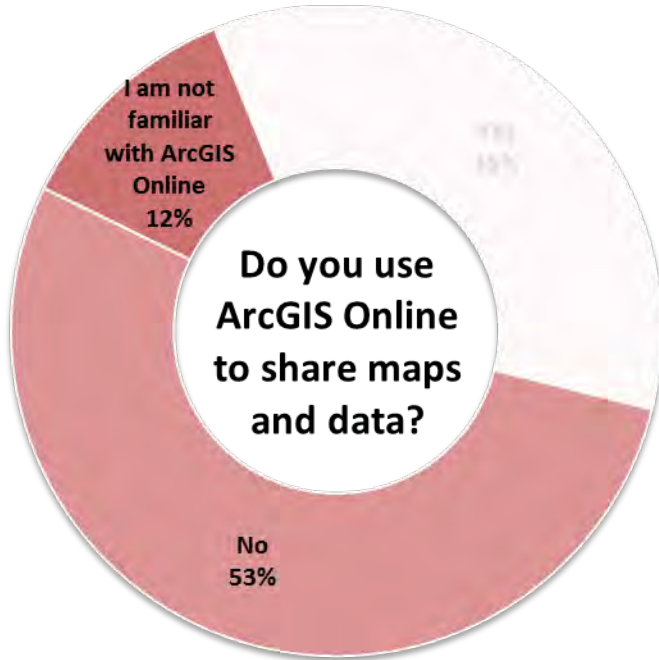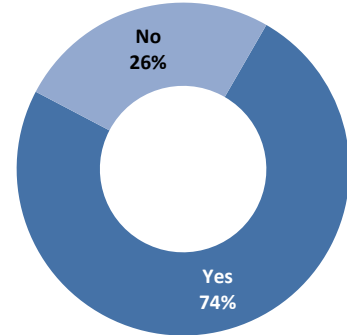**Other includes:**
- Transportation Data
- Fire Defense Zones
- Fiber Networks
- Water Resources

NO ARCGIS ONLINE USERS

Do you use ArcGIS Online to share maps and data?

- I am not familiar with ArcGIS Online 12%
- No 53%

Are you interested in using ArcGIS Online for data sharing?

- No 26%
- Yes 74%

PROJECT IDEAS

Do you have any ideas or suggestions on what project(s) our region should pursue?

- Parcel/Land Data Inventory
  - Zoning
  - Future Land Use
  - Vacancies
  - Brownfields
  - 3D Buildings

- Asset Data Inventory
  - Utilities (water, sewer, oil, gas, electric, gas, cable, etc)
  - Community Point of Interest and Assets
  - Recreational Amenities
  - Emergency Management

- Socioeconomic Data Inventory
  - Census Demographic information at the Community and Sub-Community levels
  - Business Directory

- Others
  - Training (Desktop, Data Analysis, Census Data, and ArcGIS Online, etc)
  - Data Resource Catalog (listing of who has what data)
  - Database Standardization

PROJECT IDEAS: PRIORITY RANKING

Of those project ideas, how would you rank your top 5 projects?

Percentage of respondents who picked a specific project

Legend: Lower Priority — Medium Priority — Higher Priority

Categories (top to bottom): Zoning/Land Use, Vacancies/Brownfields, Utilities, Community Points of Interests/Assets, Recreational Amenities, Emergency Management, Census Demographic Information, Business Directory, Training (desktop, online, census, etc), Data Resource Catalog, Database Standardization