Massachusetts Geospatial Strategy Workshops were held at 6 locations across the State

Today's Facilitators

Michele Giorgianni
Principal in Charge

Peter Lemack
Senior Project Manager

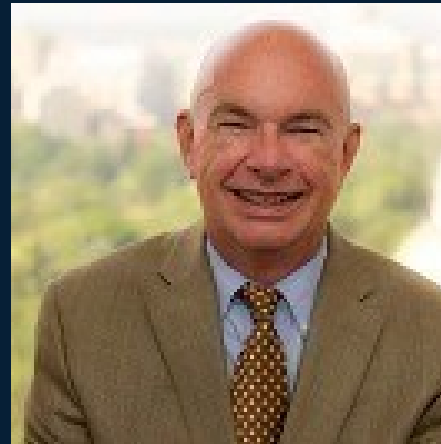**Priya Sankalia**
Business Analyst

The MassGIS Team

Cy Smith
*State GIO &
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*Web Mapping
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Michael Trust
*Senior GIS
Database
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Stakeholder Support

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Today's Agenda

Part 1: Introduction, Agenda, Survey Summary, MaGICC 9am – 9:30am

Part 2: Breakout Session #1 9:30am – 10:10am

Break: 10:10am - 10:20am

Part 3: Breakout Session #2 10:20am -11:05am

Part 4: Breakout Session #3 11:05 – 11:50am

Part 5: Conclusion 11:50am - Noon
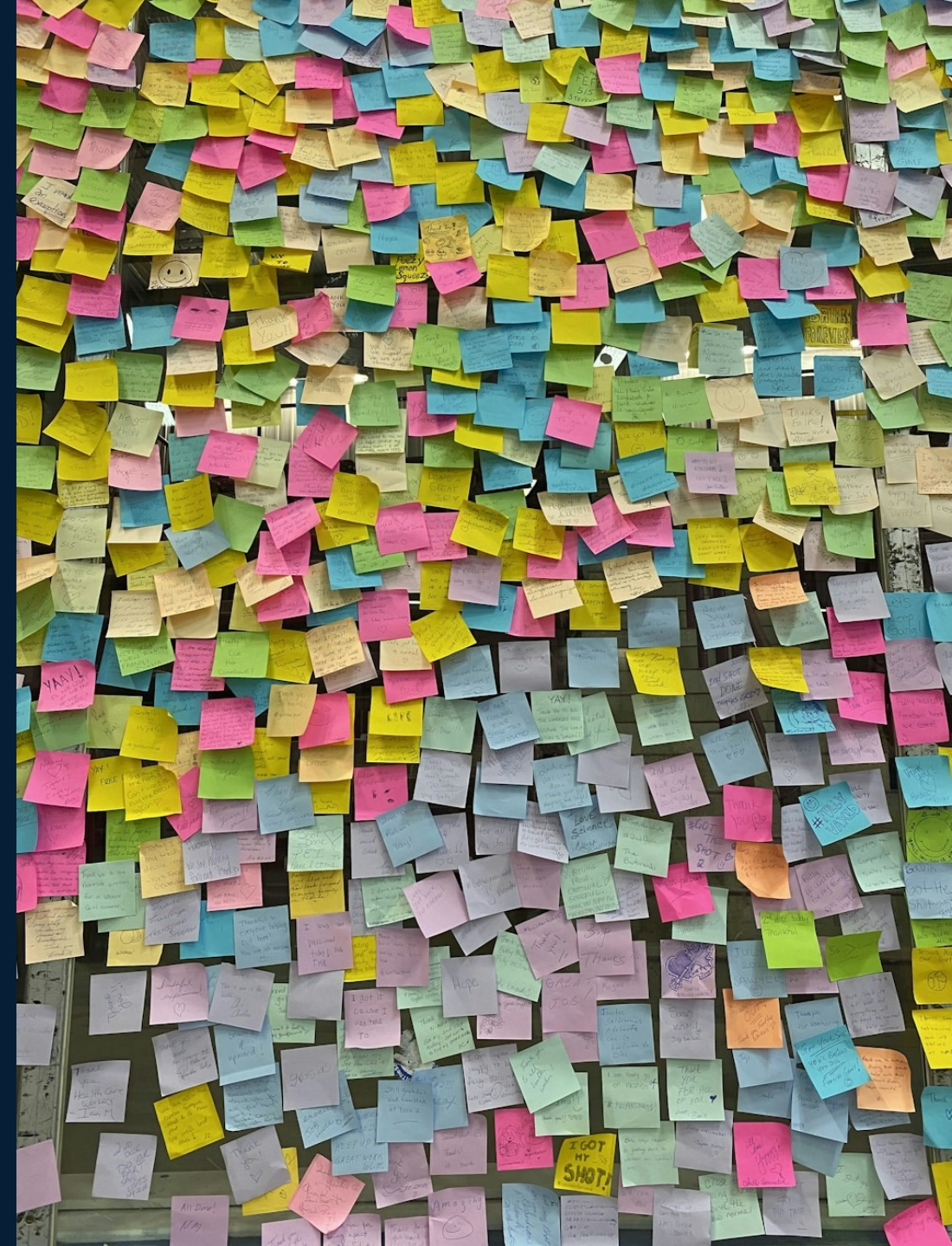
Massachusetts Geospatial Strategy

Strategic Plan

| Where are we today? | + | Where do we want to be in 2030? | = | *Defines a vision, goals, describes general steps needed to reach each goal* |

Business Plan

Means and methods	Dependencies, considerations
Timeline	Budget ranges	Progress Measurement

+ = *Focuses on how to achieve a strategic goal - the "action agenda", i.e., tactics, for a goal*

Workshop Goals

Engage with the Massachusetts Geospatial Community

Collect your ideas and recommendations for increasing geospatial maturity across the state

Understand your priorities and directions for the geospatial strategic plan

Share the results from the Strategic Plan Survey

MA Geospatial Information Coordinating Council (MaGICC)

MaGICC will provide statewide governance for sharing, coordinating, and managing the Massachusetts spatial data infrastructure (Mass SDI).
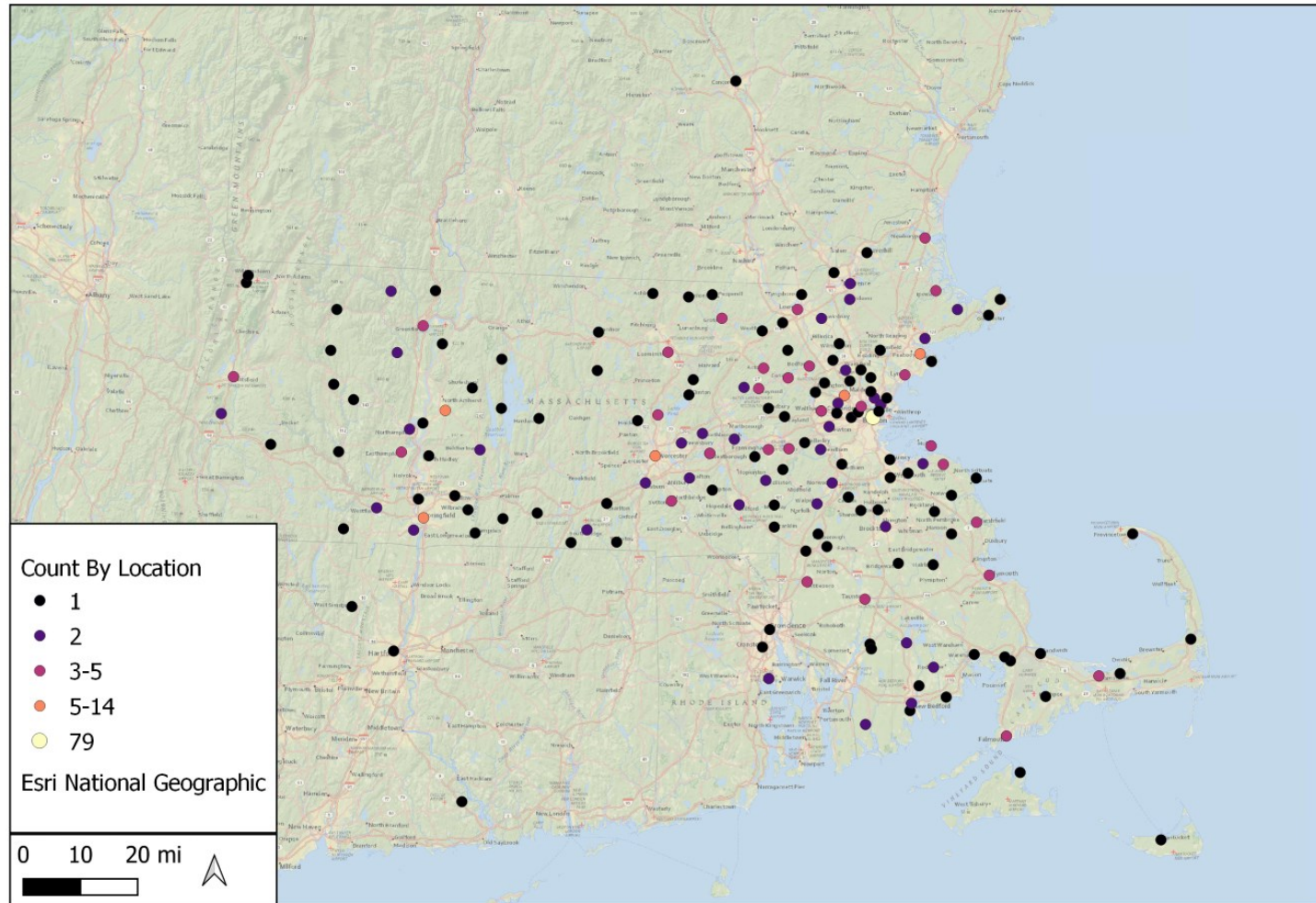
- Mass SDI includes geospatial data and the technology, people, policies, standards and processes necessary to share and manage that data

- MaGICC Goals:
  - Enhance coordination among public bodies with respect to geospatial data
  - Support consistent provision of government services across the Commonwealth
  - Improve geospatial data sharing among public bodies
  - Support the improved economic and social wellbeing of the state

MaGICC will implement, or provide oversight for, much of what is contained in the Strategy
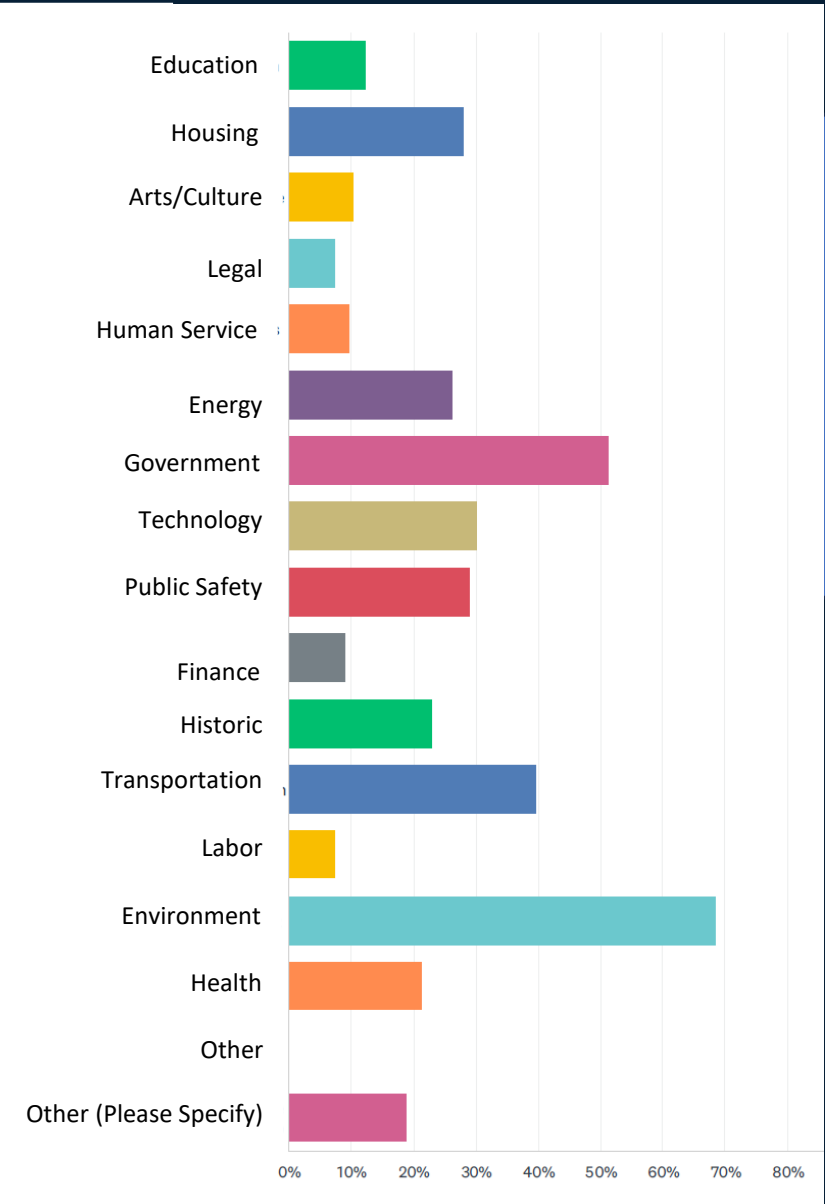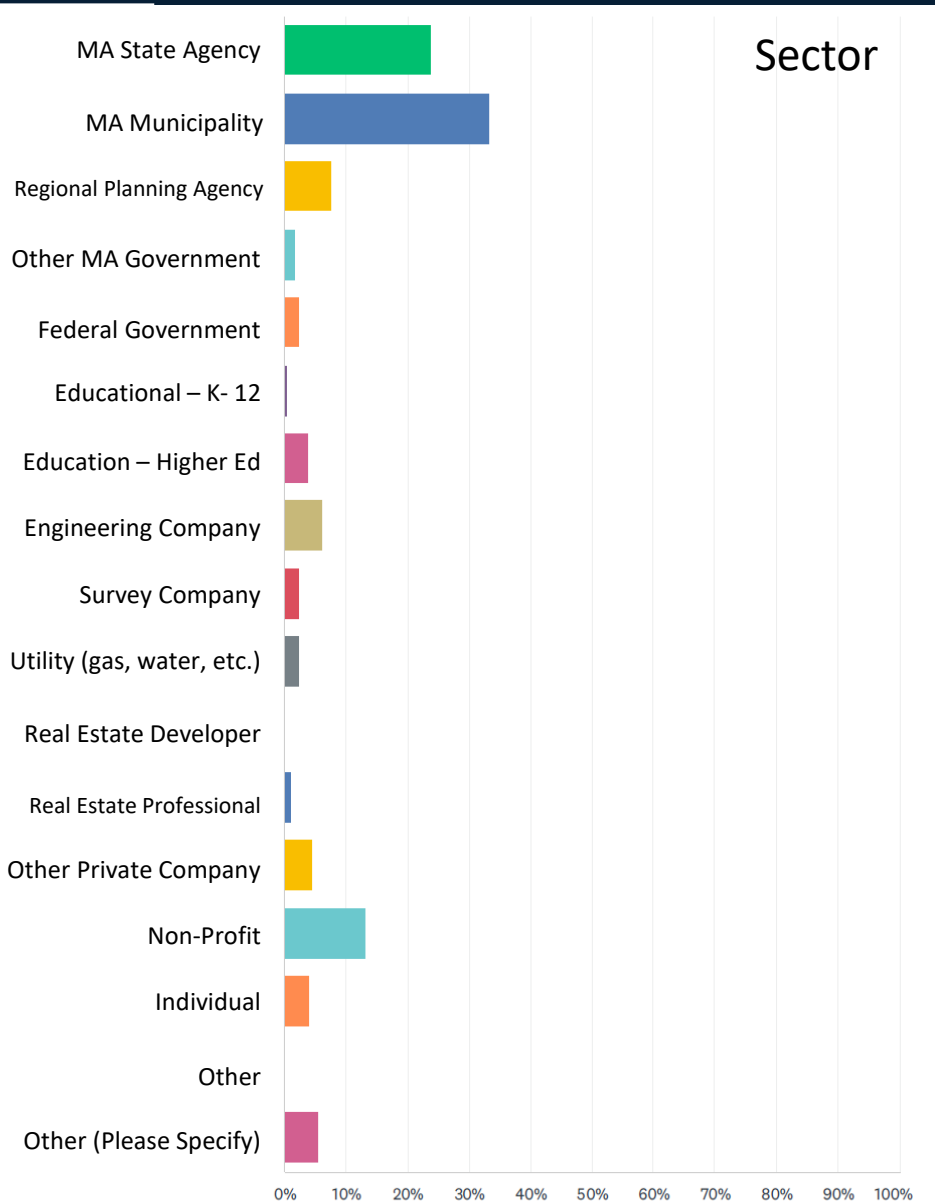
Survey Summary

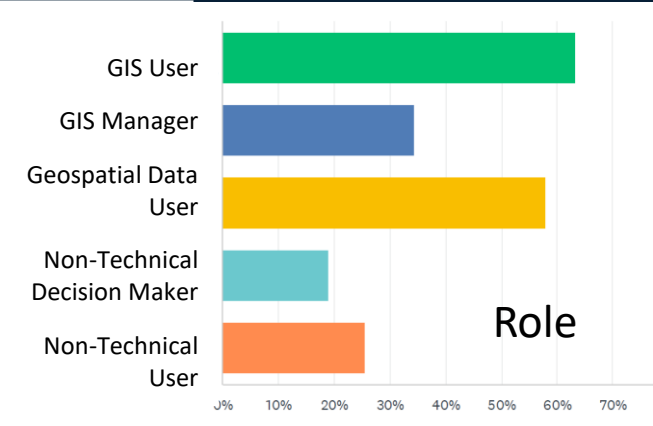# Participant Distribution

The survey reached stakeholders across the state, with a few responses coming from neighboring states and elsewhere in the U.S.

Stakeholder Participation

Sector

- MA State Agency
- MA Municipality
- Regional Planning Agency
- Other MA Government
- Federal Government
- Educational – K- 12
- Education – Higher Ed
- Engineering Company
- Survey Company
- Utility (gas, water, etc.)
- Real Estate Developer
- Real Estate Professional
- Other Private Company
- Non-Profit
- Individual
- Other
- Other (Please Specify)

- Education
- Housing
- Arts/Culture
- Legal
- Human Service
- Energy
- Government
- Technology
- Public Safety
- Finance
- Historic
- Transportation
- Labor
- Environment
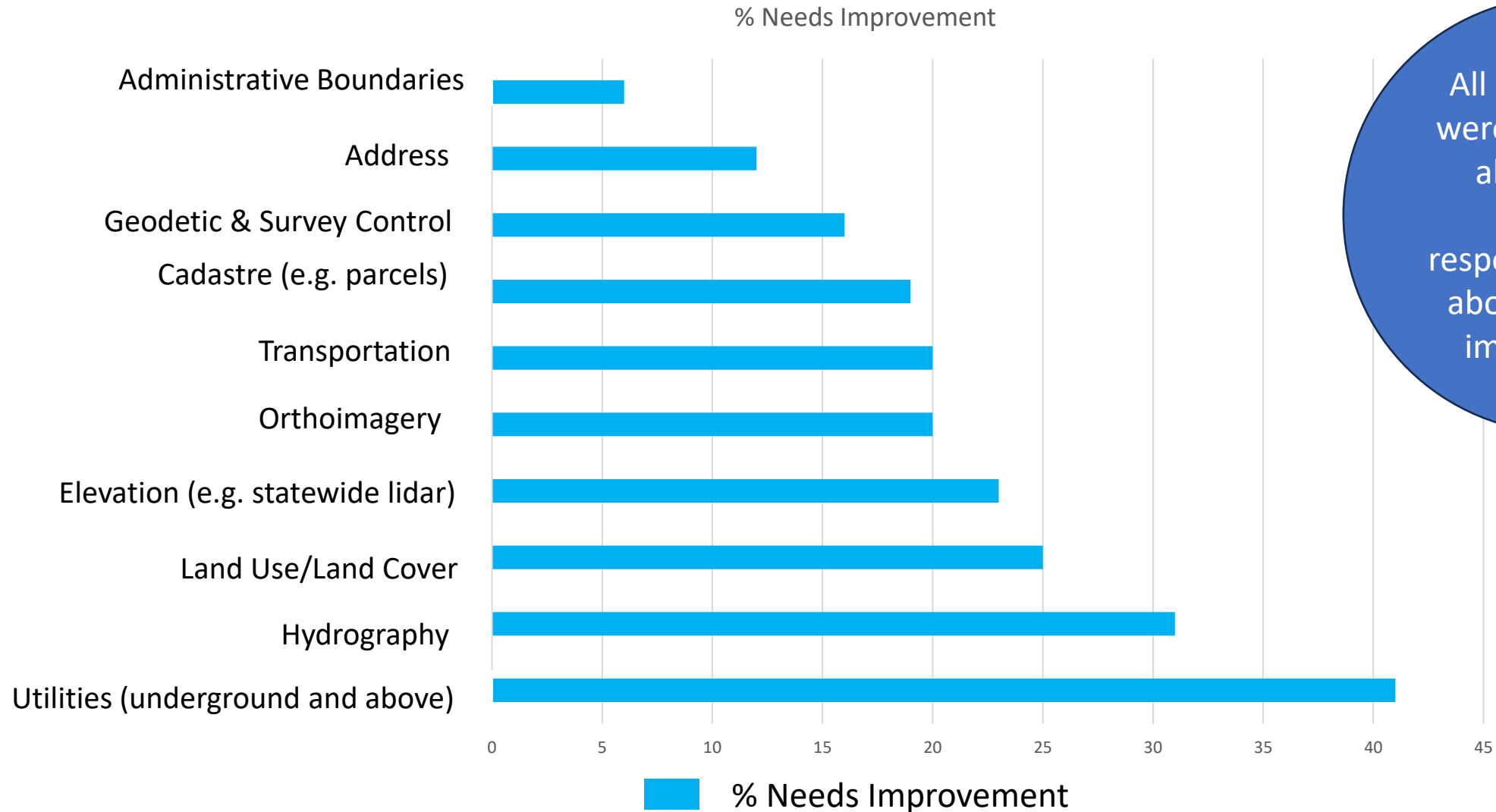- Health
- Other
- Other (Please Specify)

Highest participation rates came from state and local entities with a broad spectrum of interest areas represented across all participants. About 75% of respondents are geospatial-savvy
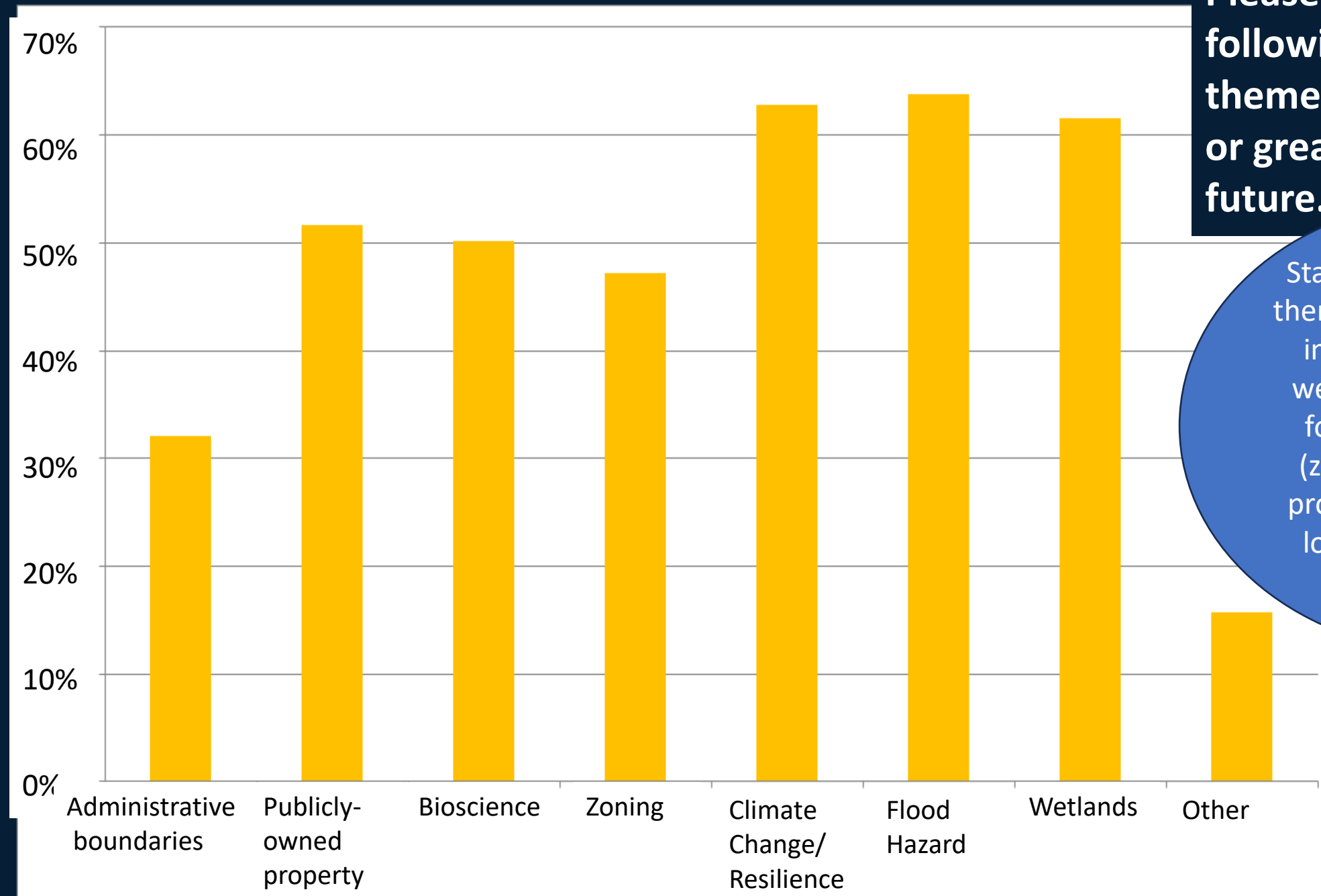
Role

- GIS User
- GIS Manager
- Geospatial Data User
- Non-Technical Decision Maker
- Non-Technical User

Please indicate whether the following statewide data are important to your work and whether they need improvement.

% Needs Improvement

All data themes were important – above 90%. However, responses differed about needs for improvement

Please indicate which of the following statewide data themes should be created or greatly expanded in the future.
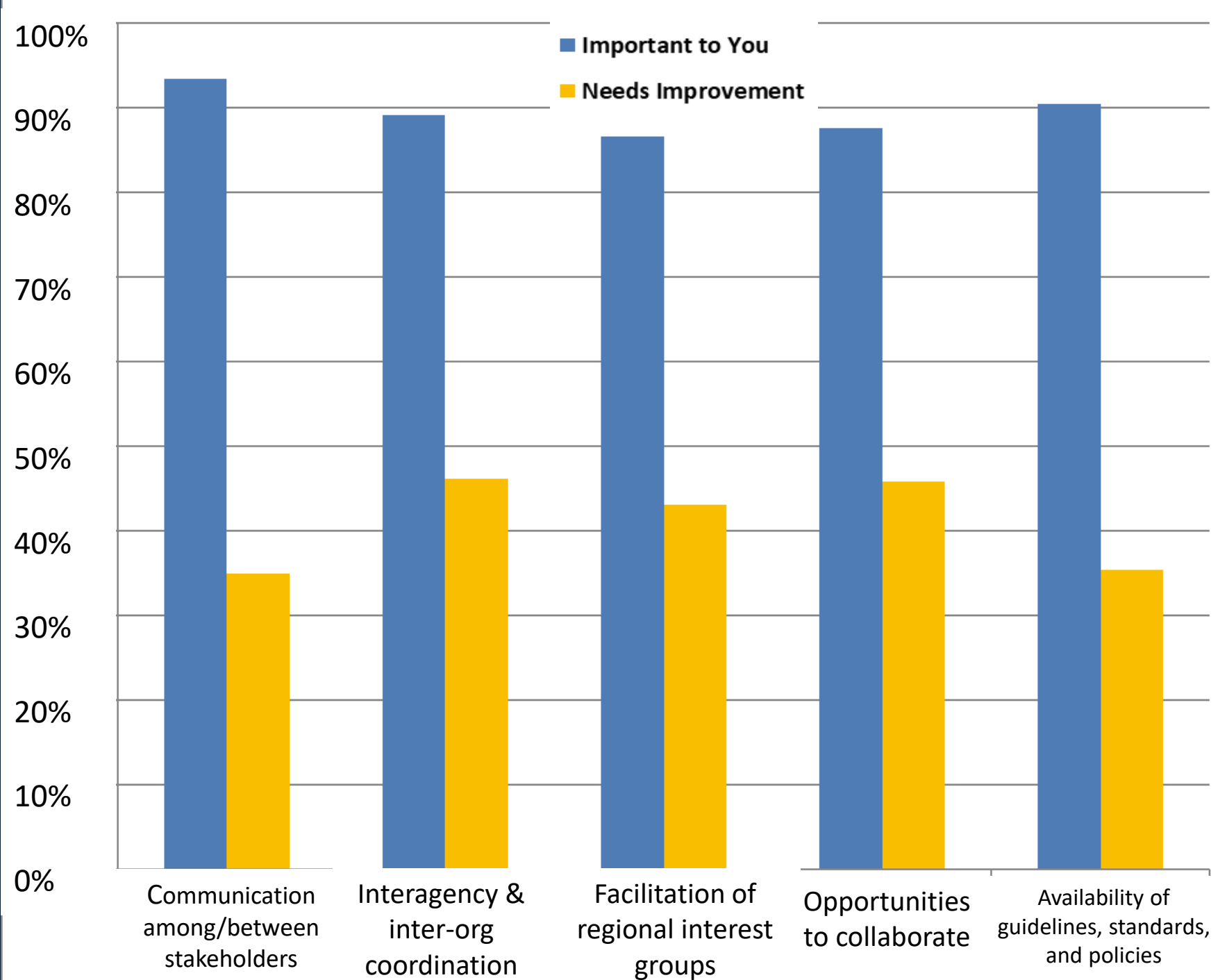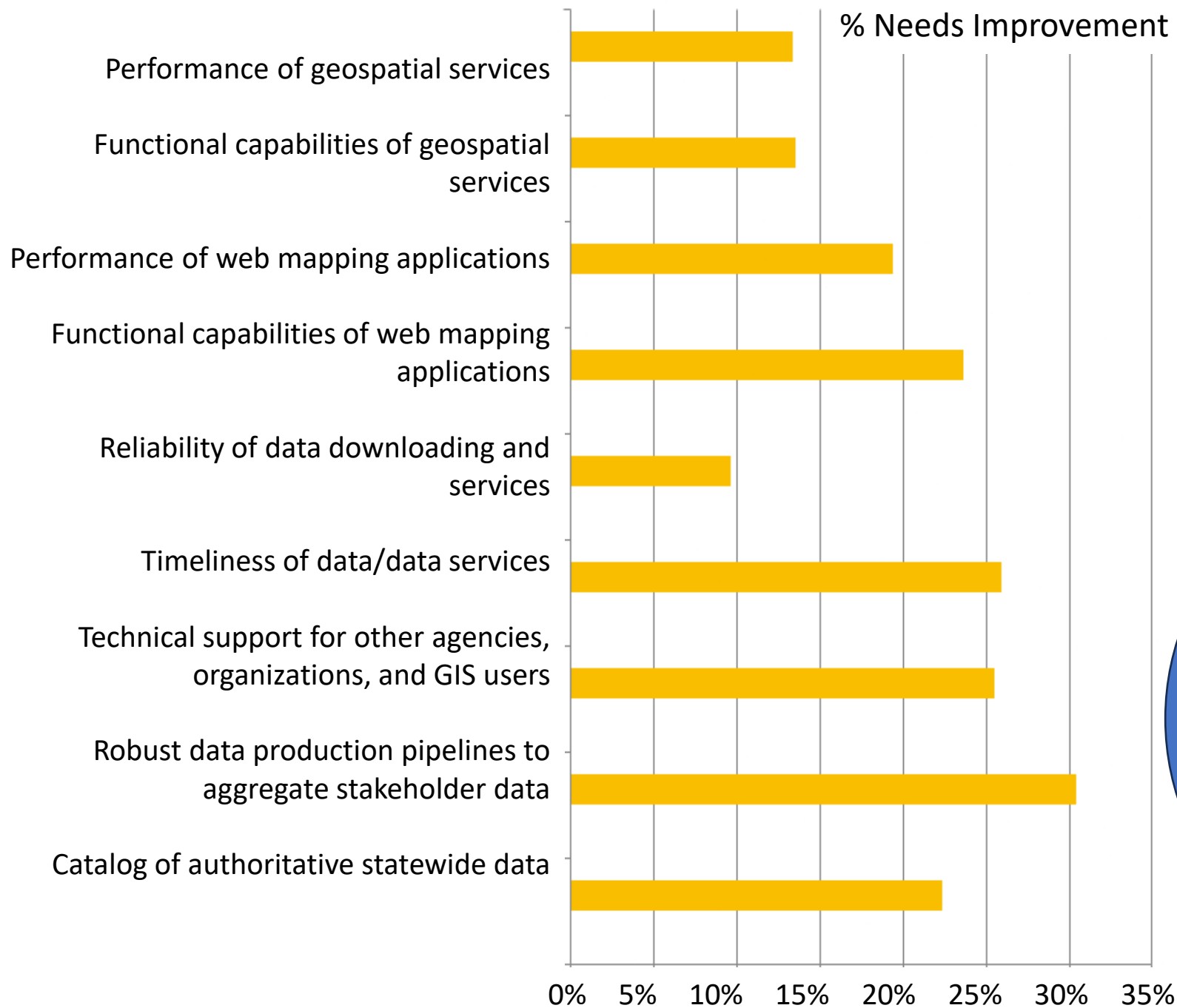
Statewide, environmental themes generated the most interest although there were numerous requests for more localized data (zoning, publicly-owned property, various types of local infrastructure and services.)

Indicate whether the following coordination, communication, and governance activities are important to your work and whether they need improvement.

All participant groups found these activities to be important, but state agencies emphasized the improvement of guidelines, standards, and policies (51%).

Indicate whether the following MassGIS services and applications are important to you and whether they need improvement.

Both state (40%) and local (33%) agencies were interested in improving data pipelines. Local agencies were more interested in improved technical support than their counterparts.

% Needs Improvement

- Performance of geospatial services
- Functional capabilities of geospatial services
- Performance of web mapping applications
- Functional capabilities of web mapping applications
- Reliability of data downloading and services
- Timeliness of data/data services
- Technical support for other agencies, organizations, and GIS users
- Robust data production pipelines to aggregate stakeholder data
- Catalog of authoritative statewide data

0% 5% 10% 15% 20% 25% 30% 35%

How could/should geospatial maturity in Massachusetts be improved?

Collaboration

Foster partnerships with private sector, NGOs, all levels of government

Funding and Policy Development

Secure consistent funding that supports long-term data-sharing, creation, and publishing of timely, high-quality, authoritative data

Training and Education

Increase public awareness of geospatial data value; have training resources available to government agencies to increase use and quality of geospatial data

Data

Focus on data quality, accessibility, and usability. Prioritize open formats and standards. Improve data sharing and coordination across agencies

Technology

Bring the community "forward" in technology through licensing, and economies of scale. Plan for AI, machine learning, and the IoT streams of geospatial data

Remove Barriers

Strive to make the power of geospatial technology to all, so that there are no "haves' and "have-nots" in local governments and citizens

Activity #1
9:30am – 10:10am

Urgency and Importance

What outcomes should MaGICC council seek?

What outcomes should the MaGICC council seek?

Data Themes: Defined Core Data Content of the MA Spatial Data Infrastructure (Themes in the MSDI)

Data Services: Defined Core Data Services (web maps, services) of the MSDI

Data Stewardship: Established Data Stewardship Roles

Technical Resources: Supply Additional Technical Resources to Local Governments

Standards: Defined Statewide policies, standards and best practices around authoritative datasets

State Funding: Established sustainable funding for GIS in **state government**

Non-State Funding: Established sustainable funding for GIS in other **(non-state) government**

Community Engagement: Enhanced and sustainable Massachusetts' geospatial stakeholder community

Legislation: Seek to have legislation concerning geospatial data

Technology Integration: Integrated geospatial technologies and data throughout State and local government

Data Quality: Seek to have mechanisms for ensuring SDI has high data quality

Collaboration: Improved and expanded coordination and collaboration

What outcomes should the MaGICC council seek?

Start The Activity
(10 min)

On the small sticky notes write down the Council outcomes. One outcome per sticky note.
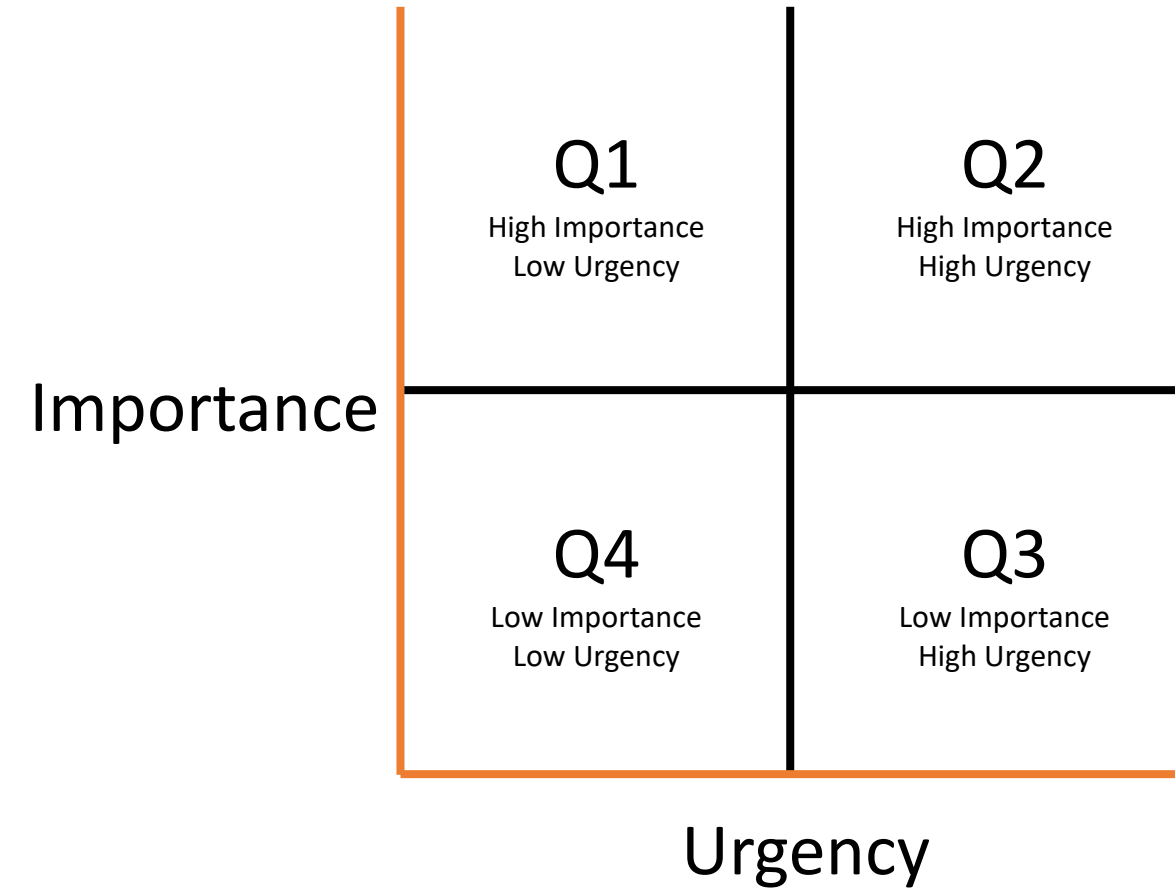
Brainstorm and Place Your Outcomes
(25 min)

As a group discuss and place your sticky notes in one of the 4 quadrants to assign the outcomes an urgency and importance rating. Try to place only 3 outcomes per quadrant.

Submit Your Thoughts
(5 min)

Bring your completed Urgency and Importance chart with the sticky notes to the facilitator. We will summarize the findings at the end of the day.

What outcomes should the MaGICC council seek?

Importance and Urgency

- Q1: High Importance / Low Urgency

- Q2: High Importance / High Urgency

- Q3: Low Importance/ High Urgency

- Q4: Low Importance / Low Urgency

What outcomes should the MaGICC council seek?

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Break!
10:10am – 10:20am

Activity #2
10:20am – 11:05am

Mechanisms for Engagement

How do we ensure MaGICC represents Stakeholder needs?

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Start The Activity
15 Mins

On the large white paper write down words, phrases or ideas for how the Council can ensure stakeholder representation.

Prioritize Your Ideas
10 Mins

As a group, discuss, determine and select the 2 most actionable ideas. Circle them and prepare to present to the group.

Report Out
15 Mins

Pick a spokesperson for your group. Describe and elaborate on what your group believes are the two most important ideas.

How do we ensure MaGICC represents stakeholder needs?

Examples of ideas that might come forward:

1. The Council sponsors coordination workshops open to all in several parts of the state during each year

2. The Council has a formal reporting structure to the Legislature and Governor, and reports are publicized for all to see

3. Legislation: the Council is created by legislation crafted with and sponsored by the GIS stakeholder community

4. MassGIS promotes and supports geospatial stakeholder interest group meetings to inform and advise the Council

Activity #3
11:05am – 11:50am

Actions and Activities

Devise feasible, innovative proposals for actions or activities that benefit the <u>geospatial community</u>. For each proposal, state whether the time frame to be achieved is 1 year, 3 years, or 5 years.

Brainstorm Actions (15 min)	**Present Your Actions (20 min)**	**Vote! (10 min)**
As a group, discuss and write down ideas of actions and activities that would benefit the Massachusetts geospatial community	Pick a spokesperson for your group. Describe and elaborate on what your group believes is the single most important idea.	Use the honor system and individually vote for your top workshop idea. Don't raise your hand more than 1 time!"
		Write on your group's notepad how many votes it received.

Devise feasible, innovative proposals for actions or activities that benefit the <u>geospatial community</u>. For each proposal, state whether the time frame to be achieved is 1 year, 3 years, or 5 years.

Example Idea #1:
Start regional centers at partnering universities to offer affordable GIS support to local entities while giving students training and work experience.

Example Idea #2:
A state-administered geospatial capacity-building grant program.

Parting Thoughts?

Open discussion - thoughts?

What did we miss, what did you hear, what stood out?

Do you have any questions?

https://www.mass.gov/info-details/massgis-2024-strategic-plan

Thank You For
Your Participation!

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