

Minnesota Geospatial Advisory Council Meeting

January 6, 2020

Webex. See meeting invite¹ for details.

11:00 a.m. – 12:00 p.m.

Agenda

1. Call to order (Chair)	11:00	5 min
a. Approval of agenda		
2. MN Geospatial Priorities Survey and GAC Priorities for 2021	11:05	45 min
3. Announcements	11:55	10 min
4. Adjourn	12:00	

¹ To request the Webex meeting invitation, contact MnGeo at gisinfo.mngeo@state.mn.us

Agenda Item 2. MN Geospatial Priorities Survey and GAC Priorities for 2021

Why Create Priorities?

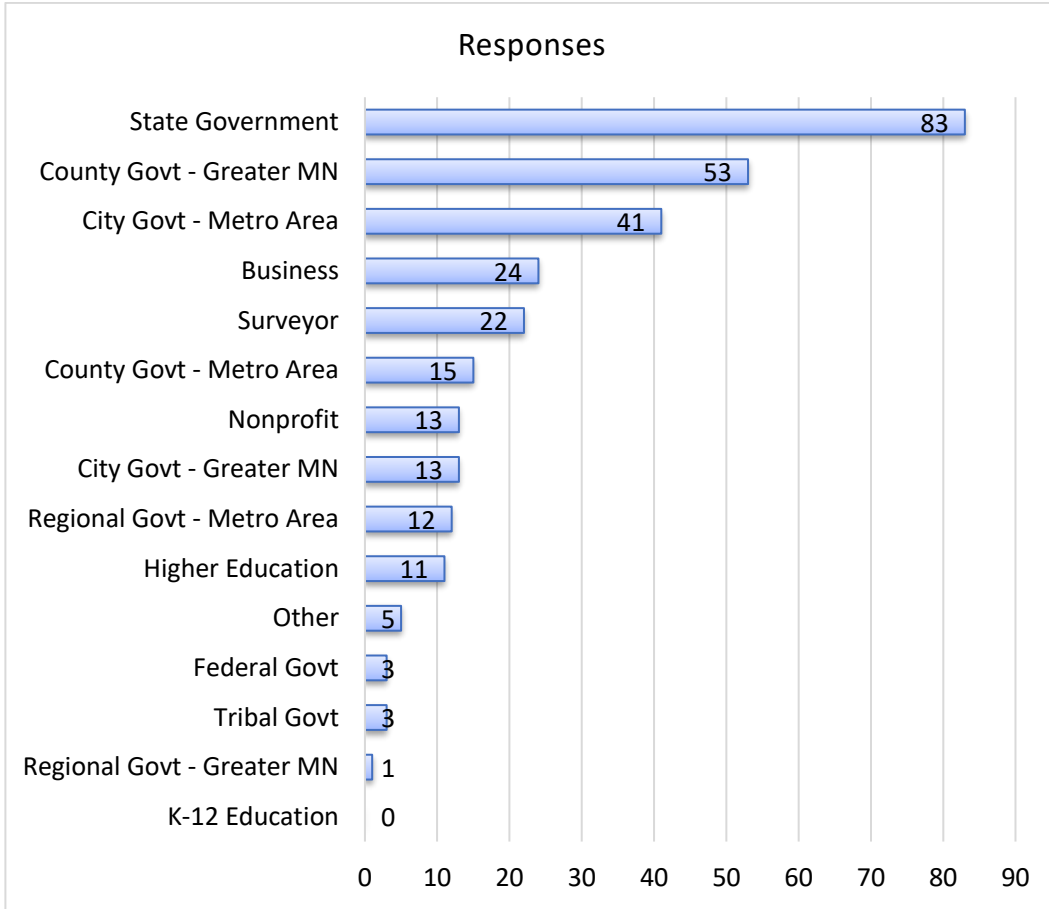
1. To create a voice for the MN geospatial community
2. To direct work plans of the GAC and its committees
3. To recommend to MnGeo
4. To allow other organizations to compare priorities and align efforts
5. To inform outreach and policy related efforts
6. Having clear direction helps motivate people to participate

Prioritization Process

- Create a list of proposed projects and initiatives
 - From GAC members and committee chairs
 - Announced at GIS/LIS conference
- Assess the **value** of each – degree of business need
 - MN Geospatial Priorities Survey
- Assess **likelihood of success** of each - owner, work team, champion, funding
- Preliminary priority calculation
- GAC discusses and adjusts

Survey Responses

- 299 total responses
- 450 last year
- 140 fewer state responses



Results Summary

- Scoring: Critical = 3, Very Important = 2, Nice to have = 1, Not needed or not answered = 0
- Scores shown weighted and unweighted. Weighting is by GAC seats representing sectors (e.g. nonprofit results have weight of 1 (1 seat), state government results have weight of 2 (2 seats)).
- Results are similar weighted and unweighted.

Project Short Name	Project Long Name	Score Weighted	Not Weighted
Free and Open Data	All public geospatial data in MN to be free and open to everyone	2.210	2.13
Parcel Data	Statewide publicly available parcel data	1.898	1.82
Updated & Aligned Boundary Data	Updated and aligned boundary data from authoritative sources	1.867	1.91
Strategy Team for All Types of Imagery	A project team to develop a long-term, statewide strategy for optical, lidar, radar, aerial and satellite imagery	1.832	1.86
Lidar Data	New lidar data acquisition across Minnesota for use in developing new derived products guided by committee developed standards	1.737	1.73
Geodata Archive Implementation	The implementation of an archive for Minnesota geospatial data	1.688	1.64
Road Centerline Data	Statewide publicly available road centerline data	1.670	1.70
Address Points Data	Statewide publicly available address points data	1.661	1.56
Inventory of MN GeoData Assets	An inventory and assessment of Minnesota's geospatial data assets	1.638	1.53
Hydro-DEMs	Accurate hydro-DEMs (hDEM) that serve modern flood modeling and hydro-terrain analysis tools, and the development of more accurate watercourses and watersheds	1.627	1.54
Basemap Services	Statewide and regional (e.g. Twin Cities metro) publicly available basemap services	1.583	1.65
Critical Infrastructure Data Workflow	Establish a workflow for developing, sharing and maintaining statewide, publicly available, authoritative geospatial data for primary critical infrastructure themes	1.582	1.54
MnGeo Image Service Improvements	Improvements to the MnGeo Image Service, such as Web Mercator support, tiling, and complementary options such as "composite of latest leaf off imagery", and downloading options	1.542	1.56
Underground Utilities Data Sharing Team	A project team to develop geospatial data sharing methodologies to support the state's underground utilities community	1.472	1.39
Geospatial Commons Advisory Group	A Geospatial Commons advisory group to provide advice, guidance and strategic direction for the Commons from the broad perspective of the MN geospatial data stakeholder community	1.402	1.38
Remonumentation of all Section Corners	Remonumentation of all section corners in the state	1.368	1.40
Culvert Data Standard	Development of a culvert data standard for data sharing across the geospatial and infrastructure asset management communities and to support development of a future statewide culvert inventory	1.333	1.31
Success Stories for Geospatial Technology	Outreach and education to show success stories for geospatial technology	1.327	1.28
NG9-1-1 Geospatial Forum	A forum (committee, workgroup, etc.) for MN geospatial professionals to discuss and share best practices, standards, lessons learned, etc. for implementing and supporting the geospatial components of NG9-1-1	1.309	1.27
U.S. National Grid Materials	Maps, procedures, templates and other materials to help all levels of government implement the U.S. National Grid	1.267	1.18
Trails Data Standard	A trails data standard	1.259	1.20
Parks Data Standard	A parks data standard	1.169	1.15
Climate Projection Data	Dynamical Downscaled Climate Information (high resolution climate projection data)	1.140	0.95

CJIS Data GIS Best Practices	Best practices based on Criminal Justice Information Services (CJIS)/Bureau of Criminal Apprehension (BCA) guidance for connecting law enforcement data to GIS systems for analysis and sharing	0.976	0.84
State Business License Data	Statewide, publicly available, authoritative geospatial data for businesses with state-required licenses, permits or registrations	0.943	0.98
Snow Emergency Parking Data Practices	Best practices/guidelines for sharing snow emergency parking restrictions between cities	0.830	0.69
Summary Crime Data	Summary data by region for property crimes in an accessible GIS format	0.811	0.65
Street Parking Restrictions Data Standard	Data standard for street parking restrictions	0.780	0.65

Results by Sector

Project Short Name	Weighted Score	Business	City Greater MN	City Metro	County Greater MN	County Metro	Fed Govt	Higher Ed	K-12 Ed	Non-profit	Reg'l Govt Greater MN	Reg'l Govt Metro	State Govt	Surveyor	Tribal Govt
Free and Open Data	2.210	2.25	1.77	1.95	1.74	2.13	3.00	2.09	1.50	2.54	3.00	2.58	2.20	2.64	2.33
Parcel Data	1.898	2.08	1.69	1.54	1.04	1.80	2.33	2.00	1.50	2.46	2.00	2.00	2.12	2.23	1.67
Updated & Aligned Boundary Data	1.867	1.92	1.38	1.66	1.58	2.13	1.67	2.00	1.50	2.23	1.00	2.50	2.10	2.09	2.33
Strategy Team for All Types of Imagery	1.832	1.79	1.77	1.68	1.57	2.13	3.00	2.00	1.50	2.08	1.00	1.58	2.04	2.18	1.33
Lidar Data	1.737	2.04	1.08	1.51	1.47	2.00	2.67	1.64	1.50	1.92	1.00	2.08	1.81	2.23	1.33
Geodata Archive Implementation	1.688	1.54	1.54	1.49	1.43	1.53	2.33	1.91	1.50	1.69	2.00	1.67	1.73	2.00	1.33
Road Centerline Data	1.670	1.96	1.54	1.34	1.21	2.00	1.00	1.73	1.50	1.54	1.00	2.08	1.96	2.05	2.00
Address Points Data	1.661	1.38	1.92	1.46	1.23	2.13	1.00	1.91	1.50	1.69	2.00	1.92	1.57	1.50	2.33
Inventory of MN GeoData Assets	1.638	1.58	1.23	1.46	1.25	1.73	2.67	1.64	1.50	1.85	3.00	1.25	1.70	1.55	0.67
Hydro-DEMs	1.627	1.42	1.38	1.39	1.42	1.60	3.00	1.55	1.50	1.77	1.00	1.75	1.61	1.82	2.00
Basemap Services	1.583	1.71	1.46	1.73	1.21	1.67	1.67	1.55	1.50	2.23	0.00	1.67	1.80	1.77	2.00
Critical Infrastructure Data Workflow	1.582	1.08	1.31	1.61	1.34	2.13	2.00	2.27	1.50	1.62	1.00	1.58	1.69	1.14	1.67
MnGeo Image Service Improvements	1.542	1.58	1.54	1.37	1.26	1.53	1.67	1.27	1.50	1.54	1.00	2.08	1.78	1.82	1.67
Underground Utilities Data Sharing Team	1.472	1.67	1.62	1.46	1.15	1.53	2.33	1.09	1.50	1.46	1.00	1.83	1.22	1.82	1.33
Geospatial Commons Advisory Group	1.402	1.38	1.08	1.17	1.13	1.73	2.33	1.45	1.50	1.69	0.00	1.75	1.49	1.36	1.33
Remonumentation of all Section Corners	1.368	1.33	1.31	0.95	1.92	1.33	1.67	0.55	1.50	1.00	2.00	1.08	1.18	2.91	1.33
Culvert Data Standard	1.333	1.38	1.23	1.27	1.17	1.60	1.67	0.73	1.50	1.23	2.00	1.42	1.47	1.27	1.00
Success Stories for Geospatial Technology	1.327	1.21	1.08	1.12	1.26	1.47	2.00	1.45	1.50	1.31	1.00	1.08	1.31	1.27	1.33
NG9-1-1 Geospatial Forum	1.309	0.96	1.46	1.12	1.49	1.87	2.33	0.64	1.50	1.46	1.00	1.33	1.07	1.50	1.67
U.S. National Grid Materials	1.267	0.54	1.54	1.49	1.13	1.60	3.00	0.64	1.50	0.92	2.00	0.67	1.13	1.50	1.33
Trails Data Standard	1.259	1.17	1.38	1.24	1.04	1.67	1.00	0.73	1.50	1.15	2.00	1.50	1.25	1.05	1.33
Parks Data Standard	1.169	1.08	1.38	1.24	0.98	1.67	1.00	0.64	1.50	1.15	1.00	1.50	1.19	0.95	1.33
Climate Projection Data	1.140	0.50	1.00	0.90	0.64	1.33	1.67	1.45	1.50	1.54	1.00	1.25	1.14	0.32	1.67
CJIS Data GIS Best Practices	0.976	0.54	1.31	1.29	0.89	1.33	1.00	0.45	1.50	0.92	2.00	0.92	0.65	0.27	1.33
State Business License Data	0.943	0.58	0.92	1.27	0.85	1.20	0.67	0.82	1.50	1.31	1.00	0.92	1.14	0.41	0.33
Snow Emergency Parking Data Practices	0.830	0.46	1.38	1.00	0.57	1.00	0.67	0.36	1.50	0.77	2.00	0.25	0.63	0.41	1.00
Summary Crime Data	0.811	0.42	0.92	1.00	0.75	0.87	0.33	0.45	1.50	0.92	2.00	0.50	0.47	0.27	1.33
Street Parking Restrictions Data Standard	0.780	0.71	1.08	0.90	0.40	0.53	0.67	0.27	1.50	0.54	2.00	0.33	0.71	0.55	0.67