

**NY State Geospatial Advisory Council
Agenda for December 13, 2023 Meeting
NYS Thruway Authority**

Mission: Advise the State on effective use of geospatial technology resulting in tangible benefits to NYS.

The NYS Geospatial Advisory Council (formerly called the GIS Coordinating Body), operating under the auspices of the NYS ITS Geospatial Services, coordinates, promotes and facilitates the development, effective use, and sharing of geographic information. It also removes barriers to implementing geographic information technology to improve the delivery of public services, protect the public and the environment, and enhance the business climate for the benefit of the State, its municipalities, businesses, and citizens.

Attending: **Sylvie Browne, Christina Croll, Mickey Dietrich, Elisabetta DeGironimo, Keith Ducett, Katie Duncan, Emily Fogarty, Ana Hiraldo Gomez, Christopher Holewinski, Suzie Knauss, Lindi Quackenbush, Randy Rath, Larry Spraker, Erin Tylutki, Heather Weller**

Guests: Sean O’Connell, Nicole Lanza

Absent: Karyn Tareen, Cattyann Campbell, Santina Benincasa

10:00 Welcome / Agenda Review / Approval of Minutes (Croll)

- Lindi motioned for minutes, Sylvie seconded, unanimously approved.

10:05 Introductions/Discussion

Icebreaker – ChatGPT

- Croll- Hasn’t used ChatGPT personally or professionally
- Weller – Used a couple times – odds and ends – used it for a better letter recommendation
- Quackenbush – Hasn’t used chatGPT, just to ask it who she was. Is seeing it used more and more.
- DeGironimo – Some teams are using it for coding, but it may not be secure. State is working on AI policy.
- Spraker – Using it quite a bit. Privy in private sector, recent AI policy for whole company. Don’t put anything proprietary out there. Uses Chatvnb – internal version, nothing goes out. Uses for proposal content, summarizing data. Launched Chatvnb over the summer.
- Rath – Used a little for coding, very basic coding like Python. Used it to get those big words. Used to beef up projects. Took a spin class and was told the playlist was made with GPT. Done drawings with it. The more specific the better.
- Browne – Hasn’t used it, daughter showed her how to use it.
- Ducett – Haven’t used Chat GPT. Looking to implement system to listen to conversations with callers and translate it into text. Could be a big thing in 911 in the future.
- Dietrich – Haven’t been using it but on radar. More focus on AI that’s coming out.
- Hiraldo-Gomez – Uses it all the time because English is a second language. Budget justification writing, just to get ideas, writing letters or reports. GIS team uses it all the time for confirming code, Python and Arcade. Use it responsibly and ethically, how are you asking the question. It helps you think out of the box.

- Holewinski – Used it first time this morning. Has discussed it in office to see if they could use it. Maybe use it loosely to come up with quick solutions.
- Fogarty – Uses it all the time. It helps with responding to long emails. Helped write self-study. Use it for code, python code, pretty much everything. Grading rubrics. It will lie to you – need to check things. Time-saver.
- Duncan – Never used it, looked it up this morning. Curious about Federal regulations that might come into play.

10:30 Nominating Committee (Weller)

- Larry and Sylvie are going to extend
- Last meeting for Heather Weller, Lindi Quackenbush, Randy Rath
- Mickey Dietrich has chosen to leave his term early
- Nominations
 - Academic – Jochen Albrecht
 - State – Rebecca Newell
 - Nonprofit – Alexander Wolf and Zachary Simek
 - Private sector – Karyn Tareen
 - Local – Dave Geneway
- If someone resigns not during a nominating cycle – seat goes unfilled
- Can fill any seats resigned between December and March
- Motion to accept slate of nominations that was brought before the board, unanimously approved
- Work on nominating committee will continue
- We want representation in the open source community
- Will have to fill another local government spot
- Need new nominating committee – at least 2 spots
 - Larry Spraker volunteered to join nominating committee
- Need a chair and vice chair

Lis - Action item – make a SharePoint

10:53 Reports

- Geospatial Services Report (DeGironimo)
 - Since last meeting
 - Lis named GIO
 - Architecture modernization study completed – is going to look at VDI and virtual machines to GIS and bring enterprise to other state agencies. Hoping to get staging environment by the end of March.
 - Chief Information Officer named – Dru Rai – familiar with GIS, from Oil and gas industry
 - Chief Data Officer Resigned – Chris O'Connor Deputy SDO named Acting CDO
 - Draft Geospatial Strategy study received
 - Two major bureaus were moved out of Chief Technology Office
 - Esri EA expired – in grace period – should be resolved by end of year

- Office consolidation – team of 6 members that were based downtown in Building 5 now.
 - New staffing – more GIS qualified than before.
 - Admin Assistant – Nicole Lanza
 - Acting Deputy GIO Tim Ruhren
 - Geospatial Enterprise Services – Darius Jackson and Intern
 - Geospatial Data Services Tom Chappell, Tev’ye Davis, Ryan Walsh
 - Geospatial Client Services – 2 vacancies & 2 interns – actively canvassing.
 - Initiatives for 2024
 - Modernization of CIRIS & Discovery GIS Data NY
 - Increased Outreach
 - Data Services: Clearinghouse
 - Who’s Who List being updated.
- NYSGISA report (Knauss)
 - Geospatial Summit at Skaneateles again
 - Reaching out to sponsors and to members for recommendations on speakers
 - We have sixty counties to go to put us in a data interoperability sharing - really use it for business API mode as opposed to thinking of it as foil where its legally based in a very tombstone data Bot data that is used in real time so we’re making progress in with that.
 - Their digital products of surveys be stored so as they’d refer to it once and final, it’s a novel idea for them. They aren’t comfortable with it, but its certainly the direction to go.
- Federal report (Duncan)
 - **NOAA – Daniel Martin**
 - NGS' GRAV-D (Gravity for the Redefinition of the American Vertical Datum) project has completed 100% of the airborne gravity data collection. The data from this project will be used to create GEOID 2022, which will be used to create the new vertical datum NAPGD2022 slated for release sometime in 2025.
 - NGS has released a preliminary (“alpha”) version of the State Plane Coordinate System of 2022 (SPCS2022). The official release of SPCS2022 will occur in 2025, along with other parts of the Modernized National Spatial Reference System (NSRS). This alpha release allows NGS partners and customers to review SPCS2022 and provide feedback, and it includes: SPCS2022 web pages An alpha NGS Coordinate Conversion and Transformation Tool (NCAT) Online interactive map Tables of zone definitions and example coordinates Maps of linear distortion with performance statistics Updated SPCS2022 Policy and Procedures <https://alpha.ngs.noaa.gov/index.shtml>
 - **FEMA Region 2 – Abrom Shepard**
 - We have a GIS Specialist deployed to St. Croix for EM-3603-VI: Virgin Islands Elevated Levels of Lead and Copper in the Water Supply. The GIS Specialist will be assisting the territory with a mapping project comparing water sample testing results by neighborhood as well as active mitigation projects.
 - **USDA - NRCS**
 - Pending USGS budget we will be a partner with NYS on LiDAR collection for Nassau/Suffolk counties. Working on the requirements now regarding the tidal collection. Data collection will likely be 2025.
- State Agency Advisory Group report (Croll)

- No Report – hasn't met since September.

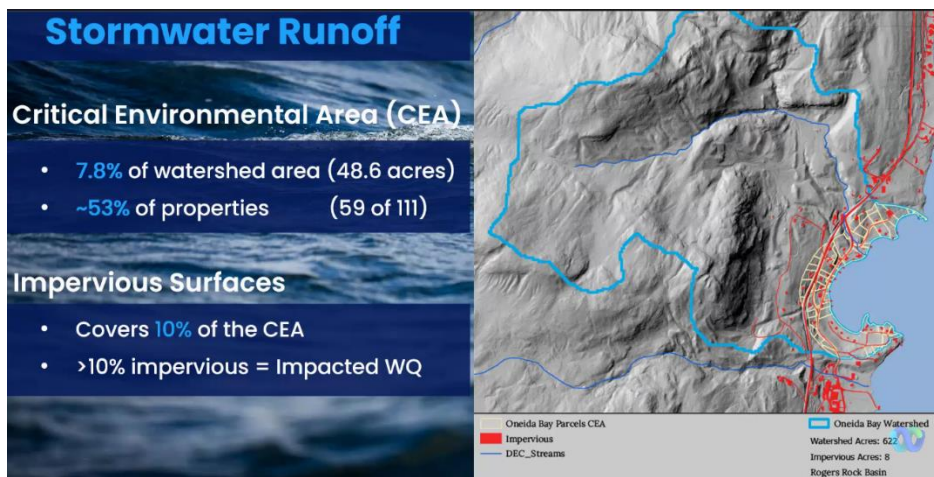
11:30 Break + Lunch

12:45 GeoSpatial Strategy/GIS Architecture (DeGironimo)

- 3-year strategic plan

1:50 Lake Protection Tool (Rath)

- LGA found in 1885 – The LGA has architected and advanced a science guided partner driven model of freshwater protection.
- Stormwater work
- Education – floating classrooms – educate on water issues and history of lake
- Lake George watershed is 233 square miles
- 1961 Lake George Park Commission was formed
- 2020 study showed 3 million visitors annually, \$2 billion in economic activity, 500 tourism businesses, \$630 million in direct tourism spending
- Why do we want this tool
 - Stormwater Runoff – it picks up nutrients, debris, garbage, will bring directly into lake if untreated



- What do we want to create
 - EPA Stormwater calculator
 - Steep slopes, streams, mature tree canopy, tree cover
 - Did some coding – Chat GPT helped some – Arcade and Python
- How to get to public
 - Write up
 - 45 minutes per parcel
 - 3-5 hours per parcel
 - Went to people who created watershed – got it to 50 parcels in 3 hours
 - VHB – 9300 parcels in 6 minutes
 - Changed it to tabulate intersection

- Launched beta application on January 9th
- Hard launch on May 16th
- 656 Lake Protectors
- Personal Lake Protector page
- You can request a property visit – for water issues or how to improve
- Will be updated to site with resources

2:40 Hub Demonstration (Croll)

- Member websites for data sharing and community engagement
- Westchester County GeoHub(Hiraldo-Gomez)
 - Trying to branch out to other departments
 - Learning plans
 - Customize training plans based on ESRI
 - Featured Storymap
 - Map Services – users for trying to integrate their software
- Clearinghouse (O'Connell)
 - Other resources tab
 - Warren, Albany, Dutchess, Westchester
 - Interactive Apps

2:55 Brainstorm ideas for future meetings

3:00 Meeting adjourns

- Heather motioned for adjournment, Lindi seconded, unanimously approved