

2025 NC GIS Conference Agenda

Last Update: Feb 12, 2025

Wed Mar 19

7:30 AM	<p>Registration 7:30 a.m. - 10:00 a.m. Coffee in Exhibit Hall</p>								
8:00 AM									
8:30 AM									
9:00 AM									
9:30 AM	<p>Opening Plenary - Welcome Remarks, "The Use of GIS Before, During, and After Western NC Flooding" 10:00 a.m. - 11:30 a.m. Salem 2 Ballroom - Exhibit Hall Closed</p>								
10:00 AM									
10:30 AM									
11:00 AM									
11:30 AM	<p>Lunch (provided) 11:30 a.m. - 1:30 p.m. Located in the Exhibit Hall</p>								
12:00 PM									
12:30 PM									
1:00 PM									
Rooms	Salem 1A	Salem 1B	Salem 1C	Salem 3A	Salem 3B	Salem 3C	Salem 2 Ballroom	LL, Room 1	LL, Room 2
1:30 PM	Leveraging Technology in Forestry Operations -- Lesley Merkel (GFR Forestry Consultants)	Herb Stout Student Award Winner	Optimizing Asset and Material Management -- Jay Beadnell (Woolpert)	Locating Optimal Sites for AI Data Centers for Rural Economic Development -- Joe Francica (CoreLogic)	Running a 911 Address Database in QGIS/PostGIS -- Randal Hale (North River)	Using Remotely Sensed Imagery for More Frequent and Comprehensive Water Quality Monitoring in High Rock Lake, NC -- Leila Hashemi Beni (NCA&T)	TS Helene Impacts and Recovery - local, state, federal, and other perspectives		
2:00 PM	Everyone's A-buzz about Survey123: Using ESRI's Form-based Application to Make Pollinator Monitoring More Efficient -- Sean Doig (McCormick Taylor)	Herb Stout Student Award Winner	How to manage your GIS in a campus environment. Provide maximum information for your business owners by collecting the data they need -- Kristin Johnston & Scott Howell (KCI)	Tackling Climate Change Resiliency on the Local Level: Anne Arundel County -- Joe Knieriem (McCormick Taylor)	Using Esri Hub Technologies to Dictate Water Quality Education in Eastern North Carolina -- Timothy Mulrooney (NCCU) & Sarah Radel (ECU)	Assessing the Impact of Clean Energy on Social Mobility in Rural Eastern North Carolina: Insights from Survey and Spatial Analysis -- Trung Tran (FSU)	SGUC Panel (amt. of time TBD)		
2:30 PM	Leveraging AGOL for Stream and Wetland Mitigation Construction Management Projects -- Scott Gregory (Wildlands Engineering)	Herb Stout Student Award Winner	GIS for Infrastructure Management -- Josh Lentz (SAM)	Considering Storm Events with Varying Duration and Return Period -- Jacob Smith (NCDEQ)	Raleigh/Wake MAR in Action- Eliminating Data Silos & False Addresses -- Heather Paxson (Raleigh) & Dianne Saunders (Wake Co)	An automated method for LiDAR-derived impoundment water level elevation -- Doug Newcomb (USFWS) & Anna Petrasova (NCSU)			
3:00 PM	Break -- Refreshments in Exhibit Hall								

Rooms	Salem 1A	Salem 1B	Salem 1C	Salem 3A	Salem 3B	Salem 3C	Salem 2 Ballroom	LL, Room 1	LL, Room 2
3:30 PM	Lessons Learned from Conversion of Web App Builder to Experience Builder -- Stacy Culpepper (NCDIT)	Herb Stout Student Award Winner	The Why and How of Moving to UN: The Municipal Approach -- Wendy Peloquin & Kent Rothrock (Aveion)	ATLAS Map: Expediting Project Delivery Using Geospatial Data & Analysis -- LeiLani Paugh (NCDOT) & Brad Wilkie (GeoDecisions)	Town of Cary's Street Connectivity and GIS -- Coray Davis (Cary)	Spatial Analysis of Racial Disparities in Prostate Cancer Mortality and Socioeconomic Determinants in NC between 2015-2020 -- Oluwatosin Ibrahim & Andy Egogo-Stanley (NCCU)	LGC Panel (amt. of time TBD)		
4:00 PM	Increasing GIS Resilience in North Carolina with the Cloud -- Jay Young (ROK Technologies)	Herb Stout Student Award Winner	Mapping Stormwater Infrastructure -- Connor Badgett & Sean Burke (Gannett Fleming Transystems)	Is your data ready for 3D? Preparing and Capturing Data -- Tripp Corbin (Cultivate Geo Solutions)	Creating Safer Roadways Using AI+ Aerial Imagery for Better Analysis -- Rick Wallace (NV5 Geospatial)	Publishing statewide cancer incidence rates in North Carolina at sub-county scales: preparatory steps -- Christian Klaus (DHHS)			
4:30 PM	Utilizing machine learning to improve efficiency in big data processing -- Colin Flynn (Dewberry)	Herb Stout Student Award Winner	Improving Sewer Rehabilitation Analysis: Using CCTV Manager in ArcGIS Pro to Process Sewer CCTV Results -- Mark Darwin (CDM Smith)	Lidar Derived 2D and 3D Buildings -- Andrew Peters (Dewberry)	Prioritizing Proposed Roadway Improvements: A Data Driven Approach -- Tim Shortley (CAMPO)	Using GIS Data to Visualize Mental Healthcare Access and Revise Estimates of Social Vulnerability in North Carolina -- Chelsea McGraw & Emma Grace Choplin (UNC)	Panel of local CIOs (amt. of time TBD)		
5:00 PM	Social & Poster Session in Exhibit Hall								

2025 NC GIS Conference Agenda

Thurs Mar 20

7:30 AM	Registration								
8:00 AM	Continental Breakfast in Exhibit Hall								
Rooms	Salem 1A	Salem 1B	Salem 1C	Salem 3A	Salem 3B	Salem 3C	Salem 2 Ballroom	LL, Room 1	LL, Room 2
8:30 AM	Leveraging Advanced Analytics and AI in Telecom Infrastructure Planning, Strategy, and Design -- Dustin Lillie (Olsson)	Herb Stout Student Award Winner	Validation and QA/QC of Voter Redistricting Results for Georgia Secretary of State using Spatial Analysis, Automation, and Web Applications -- Ben Masters (Blue Raster)	AddressNC Status and Reports: An Experience Builder Mapping Spree -- Ashton Bailey (NC CGIA)	Authoritative Tagging: Best Practices Help Users Find the Right Data -- Colleen Kiley (CGIA) & Melanie Williams (NCDEQ)	Addressing a new type of development: Build-To-Rent housing -- Dianne Saunders (Wake Co)	Into the Weeds of GRASS GIS -- Vaclav Petras (NCSU)		
9:00 AM	Drones 101 for GIS Practitioners -- Chris Breedlove (Duncan-Parnell)	Herb Stout Student Award Winner	What to do with all your geospatial data? An interactive discussion of how to handle data produced by IoT devices and other smart government sources -- Adam Reiser (Opendatasoft)	NC 911 Board Statewide Orthoimagery - A Foundational Dataset -- Ben Shelton & John Derry (NC CGIA)	ArcGIS Indoors: Experiences and Lessons Learned with Developing Floor Aware Maps -- Laurel Krynock & Matthew Laska (NCSU)	2030 Census Geographic Preparations -- Bob Coats (NCOSBM)			
9:30 AM	Break - Refreshments in Exhibit Hall								
10:00 AM	Cultivating Climate Resilience in North Carolina -- Lindsey Nystrom & Matt Hutchins (Fernleaf)	Herb Stout Student Award Winner	Addressing Organizational Challenges through Strategic Planning -- Jenni Ellsworth (JMT Technology Group)	Coastal Vulnerability: A Comparison of Multiple GIS Sources of Information -- Joanne Halls (UNCW)	Using Neo4j to document your IT landscape -- Eric Wilson (NCDOT)	Harnessing GIS for Enhanced Operational Efficiency and Emergency Preparedness -- Quaye Trimble & Maria Ratliff (Durham)	The National Map (TNM) - Your Source for Topographic Information -- Josefa Baker (USGS)		
10:30 AM	Designing GIS Tools with Science -- Dave Michelson (UNC-A)	Herb Stout Student Award Winner	Remodeling the Utility Network -- Anna Pultro (JMT Technology Group)	Empowering Communities and Enhancing Collaboration with ArcGIS Hub -- Juan G. Garcia (Gaston Co)	Experiencing* the transition from 3.x to 4.x JSAPI -- Michael Blair (Innovate)	Tips for passing certification Exams -- Tripp Corbin (Cultivate Geo Solutions)			
11:00 AM	The Need for Time Standards in Geospatial Metadata -- Kris Berglund (Blue Marble)	Herb Stout Student Award Winner	Building a Dream Team with Virtual and Augmented Reality Tools -- Nick DiPaola (JMT Technology Group)	Curating the Public Experience (Builder): GSO Near Me -- Keith Watkins (Greensboro)	Revolutionizing Flood Alert Systems: Modernizing FIMAN utilizing AWS Serverless -- Chaz Mateer (Timmons)	Angie Bailey (Broadband)	National Spatial Data Infrastructure (NSDI) Strategic Plan and Implementation -- Ken Shaffer (FGDC)	10:45 - 11:30	

4:15 PM		Innovations in Urban Forestry: Smart Tree Inventories and Next Generation Tree Canopy Assessments -- Will Ayersman (Davey)	Statewide Indoor Maps for School Safety -- Ethan Credle (GeoComm)	Use of GIS Technology in Lead Copper Rule Revision (LCRR) Service Line Inventory -- Kristin Johnston (KCJ) & John Pierre (Dunn)	NC RAFT: A Resiliency Framework Helping NCDOT Prepare for Future Flood Hazards with Digital Solutions -- Kurt Golembesky (NCDOT) & Garrett Shields (WSP)	Unseen Patterns (2.0)- How GIS and Statistical Analysis has Deepened Our Understanding of Overdoses and Suicides in Forsyth County -- Shaylee Bowen (Forsyth Co) & Karen Kesler (Winston-Salem)	Best Practices for Maintaining Annexation History with GIS -- Rich Elkins (NC Sec. of State Office)		
4:30 PM	Herb Stout Student Award Winner								
5:00 PM	Special Interest Groups Meet -- contact Matt McLamb and Jeff Essic to request a space for your group								

2025 NC GIS Conference Agenda

Fri Mar 21

8:00 AM	Registration Continental Breakfast in Exhibit Hall until 9am								
	Salem 1 A	Salem 1 B	Salem 1 C	Salem 3 A	Salem 3 B	Salem 3 C	Salem 2 Ballroom	LL, Room 1	LL, Room 2
8:30 AM	Herb Stout Student Award Winner	Exploring State-Wide Land Cover through a Semi-Automated AI Extraction -- Thomas Peck (Ecopia AI)	Any Map, Anywhere, inside of Salesforce -- Jon Fisk (G&H Intl. Srvc)	Preparing for Esri Upgrades and Migrations -- Wendy Peloquin & Kent Rothrock (Avineon)	Wetlands data (TBD) -- Jim Stanfill (NCDEQ)	Revisiting Local Resolution North Carolina Sea level Rise Modeling with Updated Data and Methods -- Doug Newcomb (USFWS)	AddressNC Program Experience -- Darrin Smith (CGIA)		
9:00 AM	Herb Stout Student Award Winner	How to Achieve Maximum ROI for Your State Imagery Program and Meet the Needs of All Stakeholders -- Jason Caldwell (Sanborn)	Visualizing Geographic Data with Tableau Public -- Shannon McAvoy (WSP)	Tool Loan Program Solution -- Steve Averett & Skip Daniels (Greensboro)	High Resolution Land Cover for North Carolina -- Erik Hund & Nate Herold (NOAA)	NC Seamless Parcel Program: Continuing to Evolve and Improve -- Elizabeth Daniel (CGIA), Katie Doherty (Rutherford Co) & Rich Elkins (NC Sec. of State Office)	Hold Room Open		
9:30 AM	Break -- Refreshments in Exhibit Hall								
10:00 AM	Geographic Information Coordinating Council Quarterly Meeting -- Hope Morgan, Chair								
10:30 AM	Exhibit Hall Closes at 11:00am								
11:00 AM	Located in Salem 2 Ballroom								
11:30 AM									