2023 NC GIS Conference Agenda

As of March 6, 2023

	AICP Credit Session	Herb Stout Student Award Winner

Wed Mar 8	Salem 1 A	Salem 1 B	Salem 1 C	Salem 3 A	Salem 3 B	Salem 3 C	Salem 2 Ballroom
7:30 AM	Registration / Coffee in Exhibit Hall						
8:00 AM							
8:30 AM							
9:00 AM							
9:30 AM							
10:00 AM	Opening Plenary / Welcome, Keynote Address by Bill Johnson - *"Carpe Geo – A Field Guide to Enjoying Your Career Journey"*, & Conference Details / *Located in Salem 2 Ballroom -- Exhibit Hall Closed*						
10:30 AM							
11:00 AM							
11:30 AM	Lunch (provided) / *Located in the Exhibit Hall*						
12:00 PM							
12:30 PM							
1:00 PM							
1:30 PM	Introduction to Avineon -- Joel Campbell (Avineon)	Combining Geographic Data with Other Open Data -- Adam Reiser (Opendatasoft)	COVID-19 Rates and Proximity to Meat and Poultry Processing Plants in North Carolina -- Mike Wallace (NCCU)	How to Prepare for a Fire Insurance Rating -- Adam Blythe	Sediment Pancakes: A Model to Predict Coastal Wetland Survival in the United States -- Joanne Halls	ArcGIS Insights and Data Driven Decisions -- Steve Averett & Keith Watkins	How to Implement a Stormwater GIS Program from Scratch -- Meredith Stull
2:00 PM	The Role of SLAM Technology for Reality Capture & the Metaverse -- Jamey Gray (GPI Geospatial)	Asset Management: Leveraging Workflows & ArcGIS to Streamline Processes -- Michael Boyd (Elements XS)	Identifying Sources of Methane Leaks in the Bountiful/North Salt Lake Area -- Cambria White (NCCU)	A Broadband Call to Action -- Stephanie Jane Edwards & Ben Shelton	Applying Local NOAA Sea Level Rise Temporal Model Estimates to Local Resolution Elevation Data -- Doug Newcomb	NC Demographic Analysis and Visualization Toolset -- Okan Pala & Adem Kurtipek	Utility Web Mapping Applications for Campus Operations -- Andrew Futrell
2:30 PM	Mobile Asset Collection and Management Solutions -- York Grow & Chris Breedlove (Duncan-Parnell)		The Impact of Soil Compaction and Land Cover on Soil Carbon Sequestration at Elon University -- Madison Eaton (Elon)	NextGen 911: Where Are We and What's Next? -- Pokey Harris, Tom Rogers, & Matt McLamb	Coastal Forests and Saltwater Intrusion in Carteret County, North Carolina -- Sarah Radel	Using Data to Make Informed Decisions in Forsyth County: A Census Tract Level Analytical Tool to Compare and Contrast Neighborhood Characteristics -- Joseph Sloop & Zach Blizard	Infrastructure Working Group: Lessons in Risk and Reward -- Colleen Kiley
3:00 PM	Break -- Refreshments in Exhibit Hall						
3:30 PM	Data Detox: The Standardization Prescription -- Jason Bell (Twin City Data)	RapidDeploy	War Impacts on Landscape Change in Mariupol, Ukraine -- Ross Jensen (FSU)	STAC to the FUTURE: Geospatial Participatory Modeling in the Clouds -- Corey White	GIS Based Asset Management, It's More Than Just Managing Assets -- Lou Garcia	Building Asset Inventories: Remote Sensing and Automation -- Jonathan Austin	Municipal Boundary Data: Best Practices and Update Panel Discussion -- Bob Coats, Mike Cline, Rich Elkins, Steve Averett, Alan Coats, & Colleen Kiley
4:00 PM	Cloud Readiness Bootcamp: The 5 W's of a GIS Cloud Migration -- Jay Young (ROK Technologies)	Best Practices for Implementing Utility Network -- Ally Reynolds & Beth Canada (Timmons Group)	Leveraging the Power of Google Earth Engine and Earth Observation Data to Create a Green Infrastructure Suitability Index for the Wilmington Metropolitan Urban Area -- Elijah Dalton (UNCW)	Social & Environmental Vulnerability Data Review -- Tammie Tucker	Future of Managed Services -- Kent Rothrock	Lessons Learned in UAS Based Remote Sensing for Mobile Data Collection -- Matthew Nanney	
							Maintaining Annexation History Utilizing GIS -- Rich Elkins
4:30 PM	High Stakes GIS Operations: What GIS Leaders Can Learn from Special Operations Forces and National Intelligence Missions -- Nick Smith (GeoOwl)	Innovation in Geospatial Data through a Semi-Automated Extraction -- Brandon Palin (Ecopia AI)	National Landcover Dataset Analysis by 10 Digit and 12 Digit Hydrologic Units for the Lower 48 States -- Doug Newcomb	2020 Census - Data, Geographies, and Next Steps -- Bob Coats & Dr. Mike Cline	Applying Artificial Intelligence & Machine Learning to Real-World Problems -- Jim Alberque	Field Maps for Environmental Health -- Kathryn Clifton & Anthony Williams	The Importance of a Good Elevator Pitch to Describe What You Do -- Tripp Corbin
5:00 PM	Social & Poster Session in Exhibit Hall						

Thurs Mar 9	Salem 1 A	Salem 1 B	Salem 1 C	Salem 3 A	Salem 3 B	Salem 3 C	Salem 2 Ballroom
7:30 AM	Registration						
8:00 AM	Continental Breakfast in Exhibit Hall						
8:30 AM			Emergency Event Management System -- Durmus Cesur	A Geospatial Coastal Resilience Assessment for the United States -- Greg Dobson	Mapping Pleasant Gardens Cemetery -- Randal Hale	Maximizing OMS/GIS Integration -- Brett Kinlaw & Josh Locklear	NC Seamless Parcel Program – Continuing to Evolve and Improve -- Elizabeth Daniel & Katie Doherty
9:00 AM	Marvelous Maps -- Nikolas Smilovsky (Bad Elf)	Making Connections: Spatial Solutions for State and Local Government Needs -- Koren Melfi & Ben Masters (Blue Raster)	Local Groundwater Surfaces: Opportunities, Edge Effects, and Scale -- Jesse Rouse & Madan Maharjan	GIS and Resiliency: Using GIS to make Our City and Citizens Resilient -- Alice Wilson & Dwight Otwell	Utilizing Story Maps and GIS Technology to Map the Historic Great Wagon Road Routes -- William Moore & Rod Meyer	Linear Referencing Systems for Department of Public Works Inventory and Asset Management -- Tim Sheldon & Jason Collins	Making Sure It's a Cloud and Not a Fog: CGIA's Path to GIS in AWS -- David Giordano & Brett Spivey
9:30 AM	Break -- Refreshments in Exhibit Hall						
10:00 AM	Using ArcGIS Enterprise to Expedite Asset Inspections and Exceed Client Expectations -- James Parker & Kimberly Pierson (Dewberry)	Shellfish Sanitation Shoreline Surveys using Field Maps Application -- Elizabeth Mason	Town of Matthews, NC: Tree Canopy Assessment Tool -- Jeremy Davis (NCSU)	Master Addressing Repository, What's Now? -- Matthew Hamby & Jason Bell	Becoming a GISP and a Little on the GIS Certification Institute -- Tony Spicci	The USGS 3D Hydrography Program: Meeting 21st Century Water Resources Challenges -- Silvia Terziotti	Local Government Committee: En-Lightning Round -- Sallie Vaughn, Nicole Toms, Kristin Bullock, Sheila Carmon Curry, Will Corbett, Miranda Stewart, Tim Blanchard, and Byron Burrell
10:30 AM	Local Government Tech Trends and Updates -- Jay Fowler & Daniel Peters (Esri)	Finding Dry Detention Basins (DDBs) in Greenville, North Carolina—An Application of LiDAR and FOSS -- Rob Howard	Modeling the Invasion of the Spongy Moth -- Andrea Saravitz (NCSU)	AddressNC Program Workflows -- Darrin Smith	The Interactive Mapping of the NCDOT Research Project Program Using Story Maps -- Timothy Mulrooney & Mike Wallace	High Resolution Land Cover for the Nation -- Brandon Palin	
11:00 AM	Yvonne Harding (SAM Companies)	Integrating Story Maps to Manage DMF Fish Species -- Michael Graven	Intersections of Food insecurity, Medicare Spending, and Non-Health Interventions in WNC -- Neylan Visnius (Warren Wilson College)	Datum Change in 2025 and the Retirement of the United States Survey Foot -- Gary Thompson	Federal Geospatial Data Policy, Planning, and Coordination -- Ken Shaffer	A National High Resolution Land Cover -- Erik Hund	
11:30 AM	Lunch						
12:00 PM	Awards & Keynote Address by Dr. Joseph Kerski - "5 Forces, 5 Trends, and 5 Skills Pivotal to the GIS Community in the 2020s and Beyond"						
12:30 PM	Located in the South Gallery Ballroom -- through the Lower Level tunnel or across Fifth St, below Embassy Suites						
1:00 PM	Exhibit Hall closed						
1:30 PM	Dispatch and Deploy Better with Real-time Analytics -- Dale Loberger (BCS, Inc.)	The Evolution of Photogrammetry and how Nearmap has Adapted -- Jackson Adams (Nearmap)	Exploring Characteristics of Community Resilience Using a Logistic Regression Model -- Caroline Fehlman (ASU)	North Carolina DOT: Automated Analysis Tools for Comprehensive Transportation Planning -- Eric Wilson & David Chrest	The Viable Utility Reserve and GIS Visualizations -- Christyn Fertenbaugh	Transforming Recreation & Parks Operations -- Josh Billings	State Government GIS Users Committee: En-Lightning Round -- Adam Blythe, Anna Stefanowicz, James Goethe, DIanne Enright, John Cox, Mark Crook, Melanie Williams, Todd Meyer, Faith Johnson, Jacob Mouw, Dan Madding, Amy Axon, and Seren Homer
2:00 PM	Using High Resolution Imagery for Change Detection and Storm Water Data Management -- Joseph Wilson (EagleView)	AECOM Vendor Showcase -- Susan Phelps (AECOM)	Using Interactive Maps to Understand the Content of Second-order Climate Change Beliefs -- Eliza Merritt (ASU)	Town of Cary's Street Improvements Project utilizing Field Maps and GIS -- Michelle Lopez, Amir Nezarati, & Coray Davis	Spatial Analysis of COVID-19 Variation Across Rural and Urban Counties in North Carolina -- Chima Okoli	The Effect of Gestalt Principles on Visual Search on Maps -- Dave Michelson	
2:30 PM	Transform Emergency Response with Automated Insights from Disaster Imagery -- Justin Klinkenberg (Vexcel Data Program)	NC Flood Resiliency Blueprint -- Elizabeth Christenson-Diver	Geovisualizing Urban Sprawl in the Atlanta Metro Area -- Sarah Followill (UNC-CH)	Modernization of Crossing Inventory, NCDOT Rail Division's Transition from Paper Forms to Field Maps -- David Mathern & Chris Raichle	The Future of the Statewide Orthoimagery Program -- Ben Shelton & John Derry	Data Analytics and Beyond -- Carol Burroughs	
3:00 PM	Break -- Refreshments in Exhibit Hall						
3:30 PM	Engaging with the Center for Geospatial Analytics -- Eric Money & Vaclav Petras (NCSU - Center for Geospatial Analytics)		Transportation Equity in Chapel Hill, NC -- Grey Shipman (UNC-CH)	Forsyth CARES (Community Assistance Registry for Emergency Services) -- Jason Clodfelter & Det. Dave Mundy	NC DOA Expanded Use of ArcGIS Online & Indoors for Real Property Analysis + Reporting -- John Cox & Jeff Mulligan	Land Cover Analysis and Supporting Tree Canopy Assessment using Remote Sensing in Wake County, NC -- William Shroyer & Joshep Joyner	DEQ's Use of Geospatial Technology: Where We Have Been, Where We Are, and Where We Are Going -- Michael Griffin, Melanie Williams, Kerry Hanko, David Peacock, and Dean Grantham
4:00 PM	Sanborn + AppGeo and the Changing World of GIS -- Christian Ulloa & John Cox (Sanborn Map Company)		Analyzing Impacts from Hurricane Florence on Gentrification in New Hanover County, North Carolina -- Cate Arnold (UNCW)	Winston-Salem Weaver Fertilizer Plant Fire Response -- Robert Reece	Got Indoor Maps? -- Ethan Credle	Testing the Performance of QL1 LiDAR and Multispectral Imagery for Coastal Wetland Classification -- Narcisa G. Pricope	
4:30 PM				What's New at NC Emergency Management -- Daniel Madding	GIS & Surveying: Where is the Boundary? -- Tripp Corbin	Using High-Density Lidar to Find the Fault (Sparta, NC 2020 Earthquake) -- Michael Baranowski	
5:00 PM	Academic SIG	SGUC SIG	LGC SIG	FIC SIG	Wake County SIG		NCAUG SIG

Fri Mar 10	Salem 1 A	Salem 1 B	Salem 1 C	Salem 3 A	Salem 3 B	Salem 3 C	Salem 2 Ballroom
8:00 AM	Registration						
8:30 AM	Continental Breakfast in Exhibit Hall						
9:00 AM	Tips and Tricks for GRASS GIS 8.2 -- Vaclav Petras			Visualizing Departmental, Business, and Citizen Use of GIS -- Wendy Peloquin			NC Neighbors Panel -- Adam DeMars (SC GIS Coordinator), Joe Sewash (VA GIS Coordinator), Dennis Pedersen (TN GIS Services Director), Susan Miller (GA Geospatial Information Officer)
9:30 AM	Is ArcGIS Pro Ready to be Your Daily Desktop GIS App? -- Tripp Corbin			Leveraging AGOL Python Notebooks to Streamline Daily Tasks and Improve Email Notifications -- John Lovette			
10:00 AM	Which Field App is Most Useful for My Needs? Comparing ArcGIS Survey123, Field Maps, and QuickCapture -- Joseph Kerski			Stop Malicious Actors from Leveraging GIS for Data Exfiltration or Initial Entry Points -- Alex Reinwald			
10:30 AM	Break -- Refreshments in Exhibit Hall						
11:00 AM	Town Hall Closing Session with Hope Morgan and Tim Johnson						
11:30 AM	*Share your thoughts on North Carolina's direction for further implementing GIS as a key technology.*						