

2024 North Dakota Geospatial Summit: Schedule of Events*

September 25-26, 2024

Bismarck Event Center



Last updated: September 3, 2024

	Breakout sessions
	All participant session
	Break

Wednesday, September 25, 2024			
8:00 – 9:00	Registration & Check In (Upper Lobby)		
9:00	Welcome and Opening Remarks (Prairie Rose 105)		
9:05 – 10:00	Keynote # 1: “A Brief History of Topographic Mapping” – Dr. Elaine Guidero (Prairie Rose 105)		
10:00 – 10:30	Break with Exhibitors (Upper Lobby)		
10:30 – 11:30	Concurrent Sessions (A)		
	Prairie Rose 102	Prairie Rose 103	Prairie Rose 104
	A1. Automation	A2. Mapping & Data	A3. Coordination/Data
	Digital Transformation in the Geospatial Technology World	Collecting, mapping, analyzing, and communicating field data	Environmental Justice: Using EJScreen in North Dakota - Practical Tips and Practice
	Use Cases for GIS Programming with ArcGIS Notebooks and ArcGIS Arcade		
11:30 – 1:00	Lunch (Upper Lobby & Prairie Rose 101)		
1:00 – 2:00	Concurrent Sessions (B)		
	Prairie Rose 102	Prairie Rose 103	Prairie Rose 104
	B1. Coordination/Careers	B2. Analysis & Modeling	B3. Process/Solutions
	Geospatial Employment – What it Takes	The relationship between weather variability and agricultural land cover change in North Dakota (1997-2023) and its implications for future change	Modernizing Approach Permits at McKenzie County
		Monitoring Air Quality Using Modis and Calipso Data in Conjunction with Socioeconomic Data to Map Air Pollution in Hampton Roads Virginia	GIS Solutions to Complete Lead Service Line Inventory
2:00 – 2:30	Premier Sponsor Presentations (Prairie Rose 105)		
2:30 – 3:00	Break with Exhibitors (Upper Lobby & Prairie Rose 101)		
3:00 – 4:30	Concurrent Sessions (C)		
	Prairie Rose 102	Prairie Rose 103	Prairie Rose 104
	C1. Process/Solutions	C2. Analysis & Modeling	C3. Application Development

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	Bring your Capital Improvement Planning alive with GIS	ND Dept of Water Resources Data Collections Update	Collect, Maintain, Integrate: Indoor Mapping Workflows for Public Safety
		GIS Hotspot Analysis of Algal Blooms in Eastern North Dakota Lakes	Lesser-Known Features of the Survey123 Web Designer
	Integrating a Data Fabric Framework for Improved Data Accessibility and Integration	Deriving Hydrography from Lidar	Traffic Analysis with Python and ArcGIS Online Dashboards
4:30 – 5:30	Ice Cream Social & Networking (Upper Lobby)		
5:30	Dinner (On Your Own)		
Thursday, September 26			
8:00 – 8:25	Registration & Check In (Upper Lobby)		
8:25	Opening Remarks (Prairie Rose 105)		
8:30 - 9:30	Keynote #2: “Planting the Seeds to Ensure that GIS Has a Future” – Dr. Joseph Kerski (Prairie Rose 105)		
9:30 – 10:00	Last Break with Exhibitors (Upper Lobby & Prairie Rose 101)		
10:00 – 11:30	Concurrent Sessions (D)		
	Prairie Rose 102	Prairie Rose 103	Prairie Rose 104
	D1. Technology	D2. Analysis & Modeling	D3. Mapping & Data\Coordination
	Esri Web Apps Are for Everyone	Water balance and assessment of agricultural drought and crop yield in North Dakota, USA. from 2000-2023 using Landsat data	Evolution of GIS in South Dakota Government
	ArcGIS Experience Builder: Tips & Tricks	Spatial and temporal assessment of meteorological drought using the Standardized Precipitation Index (SPI) and its effect on crop yield over the Corn Belt Region of the United States from 2000 to 2023	Tips & Tricks for Effective GIS Team Communication
	Taking Control of Your ArcGIS Online Pop-Ups	Using GIS Data in Mitigation Planning	A Century of Mapping: Using Story Maps to Celebrate History
11:30 – 12:00	Summit Wrap-Up (Prairie Rose 105)		

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