

## Conference Schedule

**Tuesday, July 25**

**12:00pm - 1:00pm** Registration and Vendor Setup  
(Tech Center)

**1:00pm - 8:00pm** Esri Hands-on Learning Lab  
(Room TC 132)

**1:00pm - 5:00pm** Poster and Vendor Displays

<b>1:00 - 3:00pm</b>	<b>Plenary Session (Amphitheater)</b>
<i>1:00 - 1:15pm</i>	<i>Welcome from Conference Co-Chairs</i> Tim Cowman, SD DENR and Mary O'Neill, SD State University
<i>1:15 - 2:05pm</i>	<i>Keynote - Esri's Program for Schools: Software, materials, supports, and lessons learned</i> Charlie Fitzpatrick, Esri
<i>2:05 - 3:00pm</i>	<i>Keynote - Meeting the Insatiable Demand for Geospatial Data</i> Tom Loveland, USGS EROS Center

**3:00pm - 3:20pm** Break (w/ vendor raffle)

<b>3:20 - 4:20pm</b>	<b>Breakout Sessions</b>		
	<b>Room TC 111 - session 1a</b> <i>Education Track</i>	<b>Amphitheater - session 1b</b> Moderator: Chelsea Krause	<b>Room TC 146 - session 1c</b> Moderator: Roger Brees
<i>3:20 - 3:40pm</i>		<i>New LiDAR Technologies for 3DEP</i> Steve Shivers, U.S. Geological Survey	<i>Online GIS Solutions</i> Ryan Hartley, 1st District Association of Local Governments
<i>3:40 - 4:00pm</i>	<i>Introduction to ArcGIS Online: Storymaps, Presentations, GeoInquiries and More</i> Julie Erickson, TIE	<i>LiDAR Derived Stream Mapping</i> David Hertle, SD Dept. of Environment and Natural Resources	<i>Leveraging Planning District WEB Services for Local Governments</i> Harry Redman, Planning and Development District III
<i>4:00 - 4:20pm</i>		<i>Hydro-Enforcement of Culverts in Southeastern South Dakota Using a Global Selective Drainage Toolbox</i> Ryan Thompson, U.S. Geological Survey	<i>South Dakota NextGen 911 Project: Past, Present, and Future</i> Jessica Frye, GeoComm; Shawnie Rechtenbaugh, SD Dept. of Public Safety

<b>4:30 - 5:30 pm</b>	<b>Breakout Sessions</b>		
	<b>Room 111 - session 2a</b> <i>Education Track</i>	<b>Amphitheater - session 2b</b> Moderator: Steve Shivers	<b>Room TC 146 - session 2c</b> Moderator: Harry Redman
<i>4:30 - 4:50pm</i>		<i>Mapping Fire Events Using an Open Source Tool</i> Joshua Picotte, ASRC Federal InuTeq LLC	<i>Introduction to ArcGIS Pro</i> Jayson Hagen, Esri
<i>4:50 - 5:10pm</i>	<i>Using the ArcGIS Platform: Integrating web, desktop, and mobile GIS</i> Charlie Fitzpatrick, Esri	<i>New Datums: Replacing NAVD88 and NAD83</i> David Zenk, National Geodetic Survey	<i>Unmanned Aerial Systems</i> Dylan Jones, Frontier Precision
<i>5:10 - 5:30pm</i>		<i>LiDAR Derivative Visualization Data Sets</i> Les Biven, Fugro Geospatial, Inc.	<i>Employment Opportunities for GIS in Precision Farming</i> David Clay, SD State University

**Wednesday, July 26**

**8:00am** Registration (Tech Center)

**8:00am - 12:00pm** Poster and Vendor Displays

**8:00am - 3:00pm** Esri Hands-on Learning Lab  
(Room TC 132)

<b>8:30 - 9:15am</b>	<b>Plenary Session (Amphitheater)</b>
8:30 - 9:15am	<i>Keynote - Living Atlas: Introducing a GIS of the World</i> Seth Sarakaitis, Esri

<b>9:20 - 10:00am</b>	<b>Breakout Sessions</b>		
	<b>Room TC 111 - session 3a</b> <i>Education Track</i> Moderator: Mary O'Neill, SD State University	<b>Amphitheater - session 3b</b> Moderator: Roger Brees	<b>Room TC 146 - session 3c</b> Moderator: Ryan Thompson
9:20 - 9:40am	<i>Panel Discussion: Geospatial Technologies in South Dakota Education</i>	<i>Don't Trip on your Asset</i> Darin VanDeBerg, City of Sioux Falls	<i>Basic Automation of Tasks for use in ArcGIS Online</i> Austin Brynjulson, City of Sioux Falls
9:40 - 10:00am		<i>Tips and Tricks for NextGen 911 Data Maintenance</i> Jessica Frye, GeoComm	<i>Using GIS for a Missouri River Bankline Assessment</i> Lisa Yager, National Park Service

**10:00 - 10:20am** Break

<b>10:20 - 12:00pm</b>	<b>Breakout Sessions</b>		
	<b>Room TC 111 - session 4a</b> <i>Education Track</i> Moderator: Mary O'Neill, SD State University	<b>Amphitheater - session 4b</b> Moderator: Chelsea Krause	<b>Room TC 146 - session 4c</b> Moderator: Harry Redman
10:20 - 10:40am	<i>Getting Started with Esri GIS in the Classroom</i> Charlie Fitzpatrick, Esri	<i>Using the Living Atlas in Analysis</i> Seth Sarakaitis, Esri and Bret Winterfield, City of Sioux Falls	<i>Expanding your Mobile Portfolio with Mobile ArcGIS</i> Jayson Hagen, Esri
10:40 - 11:00am	<i>GIS for South Dakota Universities, Tribal Colleges, and Technical Schools</i> Maribeth Price, SD School of Mines & Technology	<i>Tracking Water Quality and Farmland Preservation</i> Blaine Hackett, RESPEC	<i>Using Esri Collector and Trimble TerraFlex for GNSS Mapping in a GIS Workflow</i> Danielle Moe, Frontier Precision
11:00 - 11:20am	<i>Educator Toolkit: Data and Resources for Student Research and Investigations</i> Cassie Soeffing, Institute for Global Environmental Strategies	<i>Drones and Data Collection</i> Trevor Plett, Rushmore Drones	<i>What's New with ArcGIS Enterprise?</i> Jesse Adams, North Point Geographic Solutions
11:20 - 11:40am	<i>Introductions to GLOBE</i> Anne Lewis, SD Discovery Center	<i>Land Cover Change Projections with the FORESCe Model</i> Jordan Dornbierer, Innovate!, Inc.	
11:40 - 12:00pm	<i>Geospatial Education Resources Available from AmericaView</i> Mary O'Neill, SD State University	<i>Observing Land from Space: Interacting with Land Data from NASA's LP DAAC</i> Danielle Golon, Innovate!, Inc	<i>Improving Cadastral Data using GIS</i> Lee W. Kaffar, HDR; Kendall Vande Kamp, HDR; Ryan Thompson, Brookings Municipal Utilities; Bryan Pedersen, Brookings Municipal Utilities

	<b>Luncheon w/vendor raffle (Amphitheater)</b>
<b>12:00 - 1:15pm</b>	
12:30 - 1:15pm	<i>Keynote - A Vision to Observe the Earth for the Benefit of All</i> Dr. Frank Kelly, Director, USGS EROS Center

**Wednesday, July 26, continued**

<b>1:30 - 3:00pm</b>	<b>Workshops</b>		
	<b>Room TC 111</b>	<b>Room TC 146</b>	<b>Room TC 147</b>
	<i>QGIS</i> David Kramar - Minnesota State University / Moorehead	<i>How to Access Remote Sensing Data Using EarthExplorer</i> Renee Pieschke, Innovate!, Inc.	<i>Understanding LiDAR and high-resolution 3D point clouds - A "Hands-on" Workshop</i> Jeff Danielson (USGS EROS Center)

**3:00 - 3:30pm**      **Break**

<b>3:30 - 5:00pm</b>	<b>Workshops</b>		
	<b>Room TC 111</b>	<b>Room TC 146</b>	<b>Room TC 147</b>
	<i>ArcGIS Online II</i> Chelsea Krause, SD Dept. of Game, Fish & Parks	<i>Remote Sensing Techniques in ArcGIS</i> Valquiria Quirino - Minnesota State University / Moorehead	<i>Mobile Imaging Solutions for Asset Collection</i> Dylan Jones, Frontier Precision