

# ESRI AT AGU

## Events and Activities

Today's most urgent global challenges—resource scarcity, environmental degradation, and the pursuit of sustainability—are deeply interconnected. A geographic approach powered by ArcGIS enables open, scalable spatial analysis that fosters holistic understanding and drives collaborative, actionable solutions.

### Esri at AGU Showcase

Monday, December 15	3:00 PM–6:00 PM
Tuesday, December 16	10:00 AM–6:00 PM
Wednesday, December 17	10:00 AM–6:00 PM
Thursday, December 18	10:00 AM–1:00 PM

Halls B2-C, Ernest N. Morial Convention Center, New Orleans (MCCNO)

### Booth no.945

Join us for Lightning Talks and discover how GIS, remote sensing, and open science are transforming Earth science research and education. Hear from guest speakers from NOAA, NASA, and USGS as they share innovative insights and real-world applications. Come for the ideas—stay for the inspiration and collaboration.

#### Demo Theater Lightning Talks Schedule

##### Monday, December 15, 2025

Time	Speaker	Affiliation	Title
3:30 p.m.	Canserina Kurnia	Esri	Ways to enable your science instruction and research with ArcGIS
4:00 p.m.	Vinay Viswambharan	Esri	Unlocking the Power of Image Analysis in ArcGIS Pro: What You Might Not Know
4:30 p.m.	Robert Waterman	Esri	From imagery to insights: ready-to-use imagery for analysis
5:00 p.m.	Dan Pisut and NOAA Guest	NOAA/Esri	Using the Climate Resilience Information System for analysis and mapping
5:30 p.m.	Austin Stone	Esri	How GIS and Remote Sensing Are Powering Earth System Innovation

##### Tuesday, December 16, 2025

Time	Speaker	Affiliation	Title
10:30 a.m.	Austin Stone	Esri	Working with Planet Imagery in ArcGIS

11:00 a.m.	Helen Turvene	Esri	USGS Colorado River Basin Science Collaboration Portal: Engaging All Users
12:30 p.m.	Dr. Lorraine Tighe and USGS Guest	USGS/Esri	NGMDB National Geology Map
1:00 p.m.	Heidi Kristenson and Dr. Lorraine Tighe	NASA DAAC ASF UAF	Tools and Services to Discover and Work with NISAR Data
1:30 p.m.	Lisa Tanh	Esri	The Art of Accessible Science Through Maps and Apps
3:30 p.m.	Lisa Tanh	Esri	Exploring and Analyzing NASA PACE Hyperspectral Data in ArcGIS
4:00 p.m.	Rosemary Boone	Esri/YPN	Get the Most out of Esri Young Professional's Network

### Wednesday, December 17, 2025

Time	Speaker	Affiliation	Title
10:30 a.m.	Helen Turvene	Esri	Overview of Geologic Data Collection, Analysis, and Visualization in ArcGIS
11:00 a.m.	Canserina Kurnia	Esri	Teaching inquiry-based learning and spatial data science using ArcGIS
12:00 p.m.	Vinay Viswambharan	Esri	From Imagery to Insight: Applying GeoAI in ArcGIS
1:30 p.m.	Genevieve Studer-Ellis and Dr. Lorraine Tighe	NASA/Esri	Empowering Data Access and Analysis with NASA's Earthdata and ArcGIS Integration
3:30 p.m.	Canserina Kurnia	Esri	Performing Image Processing and Remote Sensing Analysis using ArcGIS for Microsoft Planetary Computer
4:00 p.m.	Nawajish Noman	Esri	Multi-dimensional Data Analysis in ArcGIS

### Thursday, December 18, 2025

Time	Speaker	Affiliation	Title
10:30 a.m.	Joe Galarza	Esri	Esri Student Programs and Early Career Pathways
11:00 a.m.	Dr. Lorraine Tighe and USGS Guest	USGS/Esri	ESIP Open Science Cluster
11:30 a.m.	Brian Connolly	Esri	Geological Application Using Hyperspectral Data, in ArcGIS
12:00 p.m.	Helen Turvene and USGS Guest	EROS/Esri	The Enduring Value of the Landsat Program

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## Sessions led by Esri

In addition to the engaging Lightning Talks and booth activities, Esri is proud to contribute to the broader AGU scientific program through a series of papers, posters, and sessions that showcase the power of ArcGIS in advancing Earth and environmental science. From cutting-edge applications of GeoAI and remote sensing to collaborative research on climate resilience, open science, and sustainable development, these contributions reflect Esri's commitment to supporting the global scientific community. Explore the sessions below to see how ArcGIS is enabling data-driven discovery and impactful science across disciplines

Sessions at AGU Schedule			
<b>Monday, December 15, 2025</b>			
Time	Esri Speaker(s)	Location	Title
8:50 a.m. - 9:00 a.m.	Dan Pisut, Dean Djovik, Nathan Shepard	MCCNO, 231 - 232	<a href="#">An Interactive GIS-Based 3D Flood Simulation Tool to Support Resilient Community Design</a>
<b>Wednesday, December 17, 2025</b>			
Time	Esri Speaker(s)	Location	Title
9:00 a.m. - 9:10 a.m.	Sean Bryer	MCCNO, E-2	<a href="#">Bridging Data and Decision: Making Landsat Accessible for Public and Commercial GIS</a>
10:30 a.m. - 10:40 a.m.	Robert Waterman, James Sill, Dan Pisut, Sean Breyer	MCCNO, 203 - 205	<a href="#">A practical approach to urban heat mapping for communities around the world.</a>
2:15 p.m. - 5:45 p.m.	Dan Pisut	MCCNO, Hall EFG (Poster Hall)	<a href="#">The Climate Resilience Information System: A New Open Data Portal for Developers of Climate Services</a>
<b>Thursday, December 18, 2025</b>			
Time	Esri Speaker	Location	Title
2:15 p.m. - 5:45 p.m.	Dr. Lorraine Tighe	MCCNO, Hall EFG (Poster Hall)	<a href="#">Advancements in Earth Science Data Access and Visualization Through Emerging Technologies I Poster</a>
<b>Friday, December 19, 2025</b>			
Time	Esri Speaker	Location	Title
10:30 a.m. - 12:00 p.m.	Dr. Lorraine Tighe	MCCNO, 293	<a href="#">Advancements in Earth Science Data Access and Visualization Through Emerging Technologies II Oral</a>

## Highlighted ArcGIS User Sessions

Sessions at AGU Schedule		
<b>Monday, December 15, 2025</b>		
Time	Location	Title
8:30 a.m. - 12:00 p.m.	MCCNO, Hall EFG (Poster Hall)	<a href="#">Development of an Open-Source Harmonized Low-Cost Sensor Data Archive to Maximize Scientific Return from Existing Networks</a>
8:30 a.m. - 12:00 p.m.	MCCNO, Hall EFG (Poster Hall)	<a href="#">A Modular Game-Based Learning Platform for Advancing Coastal Resilience Education in K-12 and Undergraduate Classrooms</a>
2:15 p.m. - 5:45 p.m.	MCCNO, Hall EFG (Poster Hall)	<a href="#">Taming the Data Zoo: A Toolkit for Standardizing ABoVE's Diverse Arctic Data</a>

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2:15 p.m. - 5:45 p.m.	MCCNO, Hall EFG (Poster Hall)	<a href="#">Investigating Mining Impacts on Groundwater and Soil in Missouri's Ozarks</a>
<b>Tuesday, December 16, 2025</b>		
<b>Time</b>	<b>Location</b>	<b>Title</b>
8:30 a.m. - 12:00 p.m.	MCCNO, Hall EFG (Poster Hall)	<a href="#">Assessing Recharge Decline and Identifying Flood Recharge Potential in the Santa Cruz Basin</a>
8:30 a.m. - 12:00 p.m.	MCCNO, Hall EFG (Poster Hall)	<a href="#">Geological Mapping of Io in the Juno Era</a>
8:30 a.m. - 12:00 p.m.	MCCNO, Hall EFG (Poster Hall)	<a href="#">Not Another Research Paper: Empowering U.S. Industries to Apply NOAA Research and Data using StoryMaps</a>
10:30 a.m. - 10:45 a.m.	MCCNO, Hall EFG (Poster Hall)	<a href="#">Investigating Lunar Hydrogen Anomalies in Mons Mouton and its Surroundings</a>
<b>Wednesday, December 17, 2025</b>		
<b>Time</b>	<b>Location</b>	<b>Title</b>
8:30 a.m. - 12:00 p.m.	MCCNO, Hall EFG (Poster Hall)	<a href="#">Assessing Vulnerability and Flood Risk in Coastal Alabama, USA Using Remote Sensing and Climate Projections</a>
8:30 a.m. - 12:00 p.m.	MCCNO, Hall EFG (Poster Hall)	<a href="#">From Ashes to Analysis: Evaluating Vegetation Recovery after Wildfires in the US Pacific Northwest</a>
8:30 a.m. - 12:00 p.m.	MCCNO, Hall EFG (Poster Hall)	<a href="#">Time-Series Analysis of Potential Mining Impacts in Southeast Georgia</a>
2:15 p.m. - 5:45 p.m.	MCCNO, Hall EFG (Poster Hall)	<a href="#">Quantifying the Effects of Blue Carbon Storage Considering Coastal Landscape Change in Hatiya and Manpura Islands of Bangladesh: A Remote Sensing Approach</a>
<b>Thursday, December 18, 2025</b>		
<b>Time</b>	<b>Location</b>	<b>Title</b>
8:30 a.m. - 12:00 p.m.	MCCNO, Hall EFG (Poster Hall)	<a href="#">High-resolution airborne LiDAR and drone analysis of topographic character at Enchanted Rock, Texas</a>
8:30 a.m. - 12:00 p.m.	MCCNO, Hall EFG (Poster Hall)	<a href="#">Modeling Regional Water Yield and Its Environmental Drivers: A Machine Learning Approach for the Southeastern United States</a>
8:30 a.m. - 12:00 p.m.	MCCNO, Hall EFG (Poster Hall)	<a href="#">Environmental Controls on Dust Devil Diameters: A Field Study from Smith Creek Valley, NV</a>
8:30 a.m. - 12:00 p.m.	MCCNO, Hall EFG (Poster Hall)	<a href="#">Chesapeake Bay Digital Twin</a>
2:15 p.m. - 5:45 p.m.	MCCNO, Hall EFG (Poster Hall)	<a href="#">Advancing Remote Sensing and GIS Through Development of Hyperspectral Imaging Open-Source Ecosystem</a>

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## Meet the Speakers



**Austin Stone,**  
*Account Manager*

Austin Stone is an Account Manager on Esri's Education team supporting Higher Education to achieve their geospatial vision. They are passionate about Earth science, imagery, and remote sensing, and is looking forward to discussing innovative geospatial solutions.



**Brian Connolly,**  
*Senior Solution Engineer*  
– *Remote Sensing and Imagery*

Brian Connolly is a Senior Solution Engineer who supports ArcGIS users with their Imagery & Remote Sensing workflows. With a background in geology and hydrography, Brian has a passion for reality capture technologies and helping users make sense of their imagery, elevation, point clouds, 3D mesh assets and how they can be properly managed, analyzed, and shared across ArcGIS.



**Canserina Kurnia,**  
*Senior Solution Engineer*

Canserina Kurnia is a Senior Solution Engineer on Esri's Education Team, supporting the use of GIS and remote sensing in teaching, research, and campus operations. With degrees in landscape architecture and planning from IPB University and UNSW, she brings over 25 years of experience in GIS and Esri technology.



**Dan Pisut,**  
*Senior Principal GIS Engineer*

Dan leads development of ArcGIS Living Atlas of the World environmental content, which includes information about Earth's land, ocean, atmosphere, and ecosystems. Prior to Esri, Dan worked at NOAA for two decades, leading data visualization efforts for research, communications, and education.



**Dr. Lorraine Tighe,**  
*Director, Earth Sciences Solutions*

Dr. Lorraine Tighe leads Earth Sciences Solutions at Esri, where she champions geospatial innovation to tackle global challenges. With deep expertise in geology, remote sensing, and GIS, she's thrilled to chair sessions and share insights at AGU on advancing open science and sustainable development.



**Dr. Nawajish Noman, Ph.D.**  
*Group Product Engineering Lead*

Nawajish Noman, Ph.D., is the Group Product Engineering Lead for Esri's Spatial Analyst team. Dr. Noman has extensive experience in automated floodplain delineation, simulation modeling, spatial, and raster analysis.



**Helen Turvene,**  
*Solution Engineer*

Helen has spent the past three years at Esri as a Solution Engineer supporting the Department of the Interior. With a background in environmental science, she is passionate about open data, collaboration, and connecting people with scientific insights.

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**Joe Galarza,**  
*Senior Human Resources Specialist*

Joe Galarza works on Esri’s University Programs team. In his role, Joe guides, advises, and educates students on many of the exciting early career opportunities at Esri.



**Lisa Tanh,**  
*Solution Engineer*

Lisa is a Solution Engineer on Esri’s National Government Health & Sciences team where she primarily supports NASA, NOAA, and the EPA. She previously worked within NASA Earth Action, and her research interests include environmental science, imagery, and remote sensing.



**Robert Waterman,**  
*Principal Project Manager  
Data Content ArcGIS Online*

Robert Waterman leads the ArcGIS Living Atlas Imagery team at Esri. Robert takes great pride in the work the team does in democratizing imagery and remote sensing, improving accessibility and helping others better understand our planet through Earth Observation with ready-to-use imagery content and capabilities.



**Rosemary Boone,**  
*Senior Industry Marketing Manager*

Rosemary Boone is a Senior Industry Marketing Manager on the Esri Education Outreach team with a master’s degree in education technology. She is an Esri Young Professionals Network (YPN) advisory board member and connects students and emerging GIS professionals to career growth and professional development opportunities.



**Vinay Viswambharan,**  
*Principal Product Manager  
– Imagery and GeoAI*

Vinay Viswambharan is a principal product manager on Esri’s Imagery and Remote Sensing team. With more than twenty years of experience in the imagery field, Vinay plays an instrumental role in shaping Esri’s imagery product capabilities and development.

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