



2016



Earth Sciences

The Esri User Conference has many presentations and events with hundreds of topics covered. To help you find your way to all the insightful sciences events, we have prepared a more focused agenda.

Land Management & Earth Sciences Showcase

Tuesday, June 28 9:00 AM–6:00 PM
Wednesday, June 29 9:00 AM–6:00 PM
Thursday, June 30 9:00 AM–1:30 PM
Ground Level Exhibit Hall A, SDCC

Visit the Land Management and Earth Sciences Showcase to see GIS solutions for all aspects of GIS in the scientific process. The Showcase will feature solutions including mobile applications, incident analysis, and simulated disaster incident mapping. These applications are deployed using Internet, servers, PCs and handheld devices. You can get hands-on GIS experience; meet GIS experts; and see demonstrations of their work.

Industry Focused Sessions and Technical Workshops

Tuesday, June 28

8:30 AM	<i>Imagery- "I Had No Idea..."</i>	Room 25A/B
10:15 AM	<i>Big Data & ArcGIS: Scalable Analytics for Raster Data</i>	Room 08
1:30 PM	<i>ArcGIS Apps for Field Data Collection</i>	Room 04
2:30 PM	<i>Mosaic Datasets – Tips & Tricks</i>	Demo Theater 12

Wednesday, June 29

8:30 AM	<i>Integrating Open-Source Statistical Packages with ArcGIS using Python and R</i>	Ballroom 06 C
10:15 AM	<i>Understanding Earth: Spatial Analysis with Online Raster Content</i>	Room 05A
10:30 AM	<i>Scientific Data Analysis & Visualization in ArcGIS</i>	Demo Theater 13
10:30 AM	<i>Time Span Analysis</i>	Demo Theater 4
12:00 PM	<i>Lidar and ArcGIS Pro: What's New</i>	Tech Theater 17, Exhibit Hall A
1:00 PM	<i>Modeling Renewable Energy Potential Using ArcGIS</i>	Tech Theater 17, Exhibit Hall A
1:30 PM	<i>Hydrologic and Hydraulic Modeling</i>	Room 14 A
3:15 PM	<i>Analyzing Demographic and Economic Data for Smarter Communities</i>	Room 28E
3:15 PM	<i>Participating in the Living Atlas of the World</i>	Room 03
3:30 PM	<i>On-the-Fly Image Processing in ArcGIS for Desktop</i>	Demo Theater 9
4:30 PM	<i>Working with Multidimensional Scientific Data</i>	Demo Theater 9

Thursday, June 30

8:30 AM	<i>Analyzing Multidimensional Scientific Data in ArcGIS</i>	Room 33 A
8:30 AM	<i>ArcGIS Apps for Field Data Collection</i>	Room 03
8:30 AM	<i>Using ArcGIS as a Scientific Data Platform</i>	Room 05A
10:15 AM	<i>Understanding Earth: Spatial Analysis with Online Raster Content</i>	Room 05A
1:30 PM	<i>Big Data & ArcGIS: Large Scale Batch Analytics for Feature & Tabular Data</i>	Room 08
1:30 PM	<i>Big Data & ArcGIS: Scalable Analytics for Raster Data</i>	Room 09
3:15 PM	<i>Managing Imagery & Raster Data Using Mosaic Datasets</i>	Room 05A

Special Interest Group Meetings & Special Events

Monday, June 27

3:30 PM	Map Gallery Opening & Evening Reception	Sail Area
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Tuesday, June 28

12:00 PM	EPA SIG Meeting	SDCC, Room 24 B
3:15 PM	2016 Science Symposium	Marina Salon F
6:30 PM	National Government Reception	Hilton Promenade Patio & Vela Terrace

Wednesday, June 29

12:00 PM	Oceans SIG	Room 26B
12:00 PM	NOAA SIG	Room 24C
12:00 PM	Oceans SIG	Room 26B
5:30 PM	Open Data Special Interest Group Meeting	SDCC, Room 31 B/C
5:30 PM	Department of Energy GIS User Group	Room 08

Thursday, June 30

12:00 PM	Cartography Special Interest Group Meeting	SDCC, Room 27 A
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Moderated Paper Sessions

Tuesday, June 28

<u>Tools for Condition Assessment & Impact Simulation: 2 Parts of the Geodesign Process</u>	Tue 6/28/2016 08:30 AM - 09:45 AM	Room 30 C
<u>Participating in the Living Atlas of the World</u>	Tue 6/28/2016 10:15 AM - 11:30 AM	Room 05 A
<u>Drought- Visualizing & Analyzing Scientific Indicators with ArcGIS</u>	Tue 6/28/2016 01:30 PM - 02:45 PM	Room 25A/B
<u>Sharing Data and Apps to Inform Decision Makers</u>	Tue 6/28/2016 01:30 PM - 02:45 PM	Room 27 B
<u>Leveraging GIS to Empower People</u>	Tue 6/28/2016 03:15 PM - 04:30 PM	Room 24 A
<u>Renewable Energy-Wind (Location Siting, Forecasting, & Production)</u>	Wed 6/29/2016 08:30 AM - 09:45 AM	Room 28B
<u>It Starts with Weather</u>	Wed 6/29/2016 08:30 AM - 09:45 AM	Room 27A
<u>Providing Access to Imagery Automation Tools with ArcGIS</u>	Wed 6/29/2016 08:30 AM - 09:45 AM	Room 25A/B
<u>Cloud Capabilities Enable Compelling GIS Experiences</u>	Wed 6/29/2016 08:30 AM - 09:45 AM	Room 30B
<u>Mapping the Future of Agriculture</u>	Wed 6/29/2016 08:30 AM - 09:45 AM	Room 23A
<u>Renewable Energy – Wind - Assessing Use of GPS-GSM Telemetry to Model Raptor Behavior</u>	Wed 6/29/2016 08:30 AM - 09:45 AM	Room 30 C
<u>Hazard Events- GIS as an Actionable Weather Intelligence Tool</u>	Wed 6/29/2016 10:15 AM - 11:30 AM	Room 27A
<u>Mapping Resilience & Change for a Sustainable Future</u>	Wed 6/29/2016 10:15 AM - 11:30 AM	Room 30A
<u>Future of 3D Elevation: Best Practices & Quality Control of DEMS with ArcGIS</u>	Wed 6/29/2016 10:15 AM - 11:30 AM	Room 25C
<u>The Power of Where & When: Spatio-Temporal Analytics of Big Data</u>	Wed 6/29/2016 10:15 AM - 11:30 AM	Room 24B
<u>Building Tools & Information Models through Research</u>	Wed 6/29/2016 10:15 AM - 11:30 AM	Room 28E
<u>Increasing Citizen Engagement & Satisfaction with GIS</u>	Wed 6/29/2016 10:15 AM - 11:30 AM	Room 30B



<u>Analytics in Utilities for Engineering, Operations, Resiliency, and Economic Development</u>	Wed 6/29/2016 10:15 AM - 11:30 AM	Room 05 A
<u>Renewable Energy – Solar - Using GIS to Support Access to Community-Based Solar Energy</u>	Wed 6/29/2016 10:15 AM - 11:30 AM	Room 28 B
<u>Renewable Energy - Decisions, Monitoring, and Consumption</u>	Wed 6/29/2016 01:30 PM - 02:45 PM	Room 28 B
<u>GIS in Support of Weather, Climate and Impacts Modeling</u>	Wed 6/29/2016 01:30 PM - 02:45 PM	Room 27 A
<u>Monitoring Environmental Parameters Effectively using 3D & Cloud Computing</u>	Wed 6/29/2016 03:15 PM - 04:30 PM	Room 25A/B
<u>Environmental Analysis & GIS: From Coastal Wetlands to Seismicity</u>	Wed 6/29/2016 03:15 PM - 04:30 PM	Room 28A
<u>Coastal 3D GIS Lidar: Trends, Vulnerability, & Data Analysis</u>	Wed 6/29/2016 03:15 PM - 04:30 PM	Room 25C
<u>Analyzing Demographic and Economic Data for Smarter Communities</u>	Wed 6/29/2016 03:15 PM - 04:30 PM	Room 28 E
<u>Discovery and Analysis of Big Data Using GIS</u>	Wed 6/29/2016 03:15 PM - 04:30 PM	Room 24 B
<u>Explorations of Weather & Big Data</u>	Thurs 6/30/2016 08:30 AM - 09:45 AM	Room 29C
<u>Monitoring Our Atmosphere</u>	Thurs 6/30/2016 08:30 AM - 09:45 AM	Room 28E
<u>Data Driven Decision Making</u>	Thurs 6/30/2016 08:30 AM - 09:45 AM	Room 28 A
<u>Multidimensional Extraction & Analysis of Buildings Utilizing Procedural Modeling, Lidar, & Imagery</u>	Thurs 6/30/2016 10:15 AM - 11:30 AM	Room 25C

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