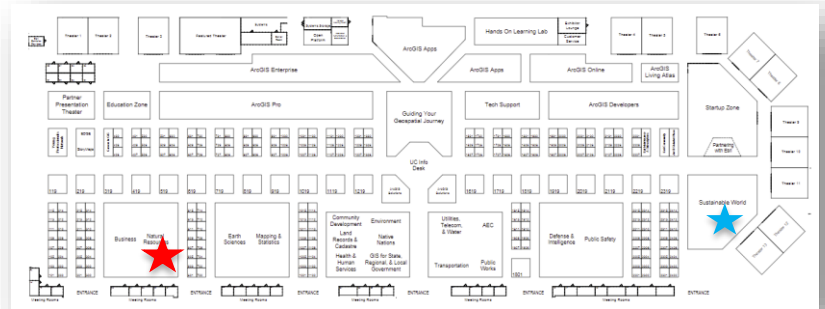# Mining Events and Activities

The Esri User Conference (Esri UC) has many presentations and events with hundreds of topics covered. To help you find your way to the Mining sessions and events, we have prepared a more focused agenda.

Natural Resources Showcase

Ground Level, Exhibit Halls ABC, SDCC

Tuesday, July 12	9:00 AM–6:00 PM
Wednesday, July 13	9:00 AM–6:00 PM
Thursday, July 14	9:00 AM–4:00 PM

Also while at the conference, please visit the Sustainable World Showcase to see geographic information system (GIS) solutions for conservation, sustainable development, humanitarian assistance, and equity and social justice. At Esri, we believe that GIS is a critical tool to enable organizations to make the world a better place. When applied to these disciplines, GIS helps organizations and people make better decisions about how to maximize the impact of limited resources on people, the planet, prosperity, and peace.

Early Bird Mining Social (Informal)

Rocking Baja Lobster – Gaslamp

Sunday, July 10   6:00 PM–8:00 PM

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Energy and Mining Social (PUG and MUG)

Marriott Coronado Terrace

Tuesday, July 12   6:00 PM–8:30 PM

Thank You to Our Sponsors

Mining Special Interest Group Meeting

Trends and Technology in Mining SIG: A Community-Based Discussion

Wednesday, July 13, 2022 11:30 am - 12:30 pm
Ground Level, SDCC - Room 25 A

The Esri Mining user community is growing and evolving, to include a broad range of GIS application interests across the mining and mineral resources spectrum. This evolution is reflected in the changing nature of company profiles, priorities and the diversity of technology application. This SIG meeting will principally be a discussion regarding the application of ArcGIS technologies to the challenges the mining community experiences today - and how to collaborate and share experiences for mutual benefit. Come join the Mining User Group (MUG) to learn about the community, the application of technologies to specific mining workflows, Esri Distributor solutions, and participate in a Q&A.

Panelists:

Darin Bryce, Esri

Mike Baumgartner, Trimble

Anthony Walker, Cyient

John Shippick, Datamine

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Trimble. CYIENT DATAMINE

Additional Special Interest Groups

- o Mapping the Future of Energy (Petroleum SIG) | Tuesday, 12 July 2022, 11:30 AM, SDCC, Room 28B

Mining User Presentations

Wednesday, July 13				
TIME	SESSION TITLE	COMPANY	PRESENTATION TITLE AND SPEAKERS	LOCATION
8:30 AM	Freeport's Grasberg Mine: HSE Applications	PT Freeport Indonesia	GIS-Based for Noise Mapping from Mechanized Minerals Ore Processing Industry - *Arif Susanto, Prayoga Sagita*	SDCC, Room 28 B
10:00 AM	Tracking Mining Reclamation with GIS and Lessons Learned	Pilot Gold USA	Tracking Gold Exploration Reclamation in Utah with ArcGIS – *Gerald Heston*	SDCC, Room 28 B
10:30 AM	Tracking Mining Reclamation with GIS and Lessons Learned	Luck Stone	Luck Stone – Lessons Learned from Enterprise Migration – *Patrick Hess*	SDCC, Room 28 B
1:00 PM	Mine Site Location Feasibility	Geosys	Determining the Environmental Feasibility of Proposed Mining Locations Using GIS - *Janaki Gattu, Hari Yeruva*	SDCC, Room 28 B
1:30 PM	Mine Site Location Feasibility	Brierley Associates, Wyoming DEQ	Wyoming Abandoned Mine Land (AML) Subsidence Mitigation Program – *Harry Plendl, Mila Brown*	SDCC, Room 28 B

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SDCC = San Diego Convention Center
Please note: All listings subject to change; not every paper or event may be presented here.

Demo Sessions

Please see a curated list of demo sessions that might be of interest to you. Please see the detailed agenda on the UC site or use the UC Event App for additional choices and alternative times for the listings below.

Tuesday, July 12	
8:30 AM	Introducing the USGS 3D National Topography Model and 3D Hydrography Program
1:30 PM	Real-time Ocean Data to Optimize Offshore Operations
2:30 PM	ArcGIS Field App: New Pipe Construction Workflows
2:30 PM	Sub-Surface Analysis: Example Applications and Workflows
5:15 PM	ArcGIS Knowledge: Feeding the Graph with the ArcGIS Data Interoperability Extension
Wednesday, July 13	
10:00 AM	Living Atlas: Supporting Ocean Sustainable Development Goals
12:15 PM	Imagery in ArcGIS: An Introduction to Video in Your GIS
2:30 PM	Esri Disaster Response Program (DRP): GIS Resources & Best Practices
4:00 PM	Drone Imagery: Planning a Drone Mapping Flight
Thursday, July 14	
11:15 AM	Trends in GIS for Environment and Natural Resources
12:15 PM	ArcGIS Pro: Visualize and Analyze Real-Time Data with Stream Layers
12:15 PM	ArcGIS Survey123: Tips and Tricks Using Python

Highlighted Tech Sessions

Please peruse a subset of the 400+ tech sessions available at the UC. For additional choices and alternative times for the listings below, please see the detailed agenda on the UC site or use the UC Event App.

Getting Started with ArcGIS			
Tuesday, July 12			
2:30pm	Adoption Strategies: Preparing Your Organization for GIS		SDCC - Room 15B

3D Visualization and Analytics			
Tuesday, July 12			
1:00pm	ArcGIS: An Overview of 3D	HYBRID	SDCC - Room 02
Wednesday, July 13			
1:00pm	ArcGIS 3D Analyst: Feature Extraction from Lidar		SDCC - Room 16A
8:30am	ArcGIS 3D Analyst: Surface Analysis		SDCC - Room 16A

ArcGIS Enterprise			
Tuesday, July 12			
1:00pm	ArcGIS Enterprise: An Introduction	HYBRID	SDCC - Ballroom 06C
2:30pm	ArcGIS Enterprise: Publishing Content and Services		SDCC - Room 31ABC
Wednesday, July 13			
8:30am	ArcGIS Dashboards: Designing Effective Dashboards		SDCC - Room 04
1:00pm	ArcGIS Experience Builder: An Introduction	HYBRID	SDCC - Ballroom 06D
2:30pm	ArcGIS StoryMaps: An Introduction	HYBRID	SDCC - Ballroom 06E
Thursday, July 14			
2:30pm	ArcGIS Enterprise: Administering Your Deployment		SDCC - Room 10
10:00am	ArcGIS Enterprise: What's New		SDCC - Ballroom 06C
2:30pm	ArcGIS Enterprise: Q&A with the Product Teams		SDCC - Ballroom 20BCD

ArcGIS Online

Wednesday, July 13			
8:30am	ArcGIS Arcade: An Introduction	HYBRID	SDCC - Ballroom 06F
8:30am	ArcGIS Dashboards: Designing Effective Dashboards		SDCC - Room 04
1:00pm	ArcGIS Experience Builder: An Introduction	HYBRID	SDCC - Ballroom 06D
Thursday, July 14			
10:00am	ArcGIS Online: Best Practices for Organization Management	HYBRID	SDCC - Ballroom 06E
4:00pm	ArcGIS Hub: Best Practices for Site Creation and Content Management	HYBRID	SDCC - Ballroom 06D

ArcGIS Pro

Tuesday, July 12			
8:30am	ArcGIS Pro: Mapping and Visualization, An Overview		SDCC - Room 31ABC
8:30am	ArcGIS Pro: An Introduction	HYBRID	SDCC - Ballroom 06B
10:00am	ArcGIS Pro: Deploying Across Your Organization		SDCC - Room 32AB
1:00pm	ArcGIS Pro: Analysis and Geoprocessing	HYBRID	SDCC - Ballroom 06F
2:30pm	ArcGIS Knowledge: An Introduction		SDCC - Room 30A
Wednesday, July 13			
4:00pm	ArcGIS Pro: What's New	HYBRID	SDCC - Ballroom 06F
Thursday, July 14			
10:00am	ArcGIS Pro: The Road Ahead		SDCC - Ballroom 06B
1:00pm	ArcGIS Pro: Q&A with the Product Teams		SDCC - Ballroom 20BCD

Developers

Tuesday, July 12		
10:00am	Mobile Development: Strategies	SDCC - Room 01AB

Field Operations

Tuesday, July 12			
4:00pm	ArcGIS Field Maps: An Introduction and What's New	HYBRID	SDCC - Ballroom 06F
Wednesday, July 13			
1:00pm	ArcGIS QuickCapture: An Introduction and What's New	HYBRID	SDCC - Room 02
2:30pm	ArcGIS Survey123: An Introduction and What's New	HYBRID	SDCC - Ballroom 06C
Thursday, July 14			
10:00am	ArcGIS Survey123: Smart Forms for Field Data Collection	HYBRID	SDCC - Room 02
1:00pm	ArcGIS Field Maps: High Accuracy Data Collection		SDCC - Room 04
2:30pm	ArcGIS Field Apps: The Road Ahead		SDCC - Ballroom 06B
4:00pm	ArcGIS Field Apps: Q&A with the Product Teams		SDCC - Ballroom 06B

Living Atlas

Tuesday, July 12			
10:00am	Living Atlas: An Introduction	HYBRID	SDCC - Room 02
Wednesday, July 13			
1:00pm	Living Atlas: An Introduction to Imagery Content		SDCC - Room 33ABC

Imagery and Remote Sensing

Tuesday, July 12			
10:00am	ArcGIS: An Introduction to Image Analysis	HYBRID	SDCC - Ballroom 06F
10:00am	Spatial Analyst: Applications and Use Cases		SDCC - Room 05A
1:00pm	Drone Imagery: An Introduction to Drone Mapping in ArcGIS		SDCC - Room 10
Wednesday, July 13			
8:30am	Imagery in ArcGIS: An Introduction to Image Management	HYBRID	SDCC - Room 02
Thursday, July 14			
10:00am	Imagery in ArcGIS: Change, Trend and Pattern Analysis using Multidimensional Data		SDCC - Room 04
1:00pm	Imagery in ArcGIS: What's New	HYBRID	SDCC - Room 02
2:30pm	ArcGIS Online: ArcGIS Image, An Introduction	HYBRID	SDCC - Ballroom 06E

Implementation Strategies

Tuesday, July 12		
2:30pm	Cloud Implementations of ArcGIS: Best Practices	SDCC - Room 16A

Wednesday, July 13			
8:30am	ArcGIS Enterprise: Migration Strategies		SDCC - Room 16B
1:00pm	Architecture Best Practices	HYBRID	SDCC - Ballroom 06E

Real-Time Visualization and Analytics			
Tuesday, July 12			
1:00pm	ArcGIS Velocity: An Introduction	HYBRID	SDCC - Ballroom 06D
Wednesday, July 13			
8:30am	ArcGIS GeoEvent Server: An Introduction	HYBRID	SDCC - Room 05B
Thursday, July 14			
10:00am	Real-Time Visualization and Analytics: The Road Ahead		SDCC - Room 30D

Spatial Analysis and Data Science			
Tuesday, July 12			
8:30am	ArcGIS Image Analyst: Transform ArcGIS Pro into an Imagery Workstation		SDCC - Room 07AB
10:00am	ArcGIS: An Introduction to Image Analysis	HYBRID	SDCC - Ballroom 06F
Wednesday, July 13			
8:30am	ArcGIS 3D Analyst: Surface Analysis		SDCC - Room 16A
2:30pm	Drone Imagery: From Capture to Automated GeoAI Analysis		SDCC - Room 01AB
Thursday, July 14			
10:00am	Imagery in ArcGIS: Change, Trend and Pattern Analysis using Multidimensional Data		SDCC - Room 04
1:00pm	ArcGIS GeoEvent Server: Best Practices		SDCC - Room 30D

Web Apps			
Wednesday, July 13			
8:30am	ArcGIS Dashboards: Designing Effective Dashboards		SDCC - Room 04
1:00pm	ArcGIS Experience Builder: An Introduction	HYBRID	SDCC - Ballroom 06D

Map Gallery Highlights

There are >500 submissions to the Map Gallery this year, of which around half are printed and available for viewing on Monday evening and throughout the week. We selected around 30 general interest maps across Natural Resources, including any that were of specific interest to your NR industry. Don't stop with this 10% selection though – we encourage you to browse widely to find cool cartographic ideas, tips and tricks.

Title	Organization	Location
General Interest		
Blending Worlds: 3D GIS, Game Engines, and Augmented Reality	Houseal Lavigne Associates	D-01-01
Interactive WebGIS Tool for Immediate Estimation of Flood	NIED, Japan	D-04-06
Image Classification Analysis of Proliferating Endangerment Factors to the Western Joshua Tree (Yucca brevifolia)	University of Redlands	A-01-01
Using GIS to Map Shark Incidents and Patterns	University of Redlands	A-01-03
Land Use in Coho Salmon Streams of the Russian River, California	UC San Diego	E-10-03
People, Planet, & Profits: The triple bottom line of outdoor recreation, conservation, and public health for the Chattanooga, Tennessee region	University of Tennessee	D-09-02
U.S. Fish & Wildlife Service - National Wildlife Refuge System and Marine National Monuments	USDOI Fish & Wildlife Service	E-05-05
Ross Sea Synopsis	US Navy	C-08-02
GIS mapping and data enrichment illuminates Northern California Fisheries	GHD	B-06-05
Suitability Modeling for Future Green Infrastructure	US Army Corps of Engineers	B-05-07
The Interoperability of JMARS and ArcGIS for Planetary Data	MSFF	C-12-08
Web Application For Monitoring Hopi Site Locations	University of Redlands	A-02-05

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Missoula, Montana MPO Roadway Functional Classification Review	Montana DOT	C-03-09
Tracking Catalytic Converter Thefts In San Bernardino County	San Bernardino County	A-09-07
OpenOceans Global Plastic Trash Map	Openoceans Global	C-07-01
Tsunami Sources 1610 B.C. to A.D. 2022 from Earthquakes, Volcanic Eruptions, Landslides, and Other Causes	USDOC NOAA	C-07-04
A Galaxy Far, Far Away	Self	F-05-08
Improving Connectivity: The USGS Trail Planning Application	USGS	E-09-08
Test Your Spatial Memory - Using a map based Corsi Block Test to assess spatial memory	Houseal Lavigne Associates	D-01-08
Spawn 'Till you Die: Assessing Risk of Pacific Salmon Mortality and Extinction within the Columbia River Basin	Tufts University	A-06-05

Don't Miss These General and Fun Activities

Esri UC Plenary Session	Monday, July 11	8:30 AM–3:30 PM	SDCC – EXHIBIT HALLS FGH
Map Gallery Reception	Monday, July 11	4:00 PM–6:00 PM	SDCC – SAILS PAVILION
Science Symposium	Tuesday, July 12	4:00 PM–6:30 PM	SDCC - BALLROOM 20 D
Esri SAG Awards Ceremony	Wednesday, July 13	3:30 PM–5:30 PM	SDCC – BALLROOM 20 B/C/D
5K Fun Run/Walk	Wednesday, July 13	6:30 AM	HILTON BAYFRONT EMBARCADERO BOARDWALK
Thursday Night Party	Thursday, July 14	5:30 PM–10:00 PM	BALBOA PARK
Closing Session	Friday, July 15	10:30 AM–NOON	SDCC -BALLROOM 20 B/C/D

Esri UC Q&A

If you are new to the UC, or would like to get a head start on Esri's forward direction, professional development paths, or ArcGIS capabilities - then please take the opportunity to visit the comprehensive Esri UC Q&A.

Have a great conference!
We'll hope to see you at the sessions.

The Esri Mining Team

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Reach out to the Esri Mining staff during the conference and visit the Natural Resources showcase and/or **schedule a meeting**.

Stay connected with the Esri Mining Community all year long!
- Twitter: @EsriMining
- LinkedIn: Esri Mining User Group
- Esri's Mining Community
- Esri Mining Website