



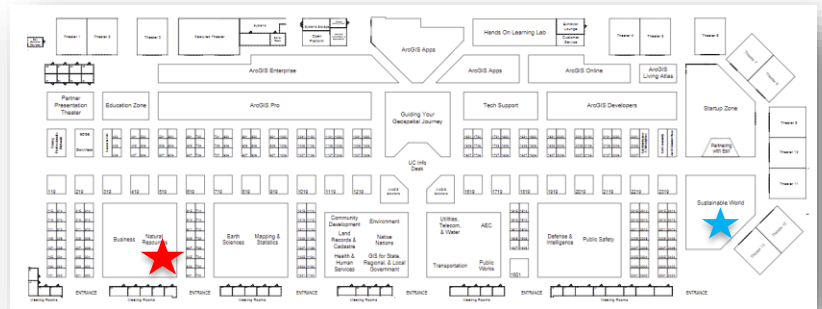
Petroleum Events and Activities

The Esri User Conference (Esri UC) has many presentations and events with hundreds of topics covered. To help you find your way to the Petroleum 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.

Energy and Mining Social (PUG and MUG)

Marriott Coronado Terrace

Tuesday, July 12 6:00 PM–8:30 PM

Thank You to Our Sponsors



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

Petroleum Special Interest Group Meeting

Mapping the Future of Energy SIG

Tuesday, July 12, 2022, 11:30 am - 12:30 pm
SDCC - Room 28 B

The Esri Petroleum user community is growing and evolving. Today, that community includes a broad range of GIS application interests across the energy resources spectrum - including renewables. This evolution is reflected in the changing nature of company profiles, priorities, geographic scope and diversity. This SIG meeting will principally be a discussion with the PUG Steering Committee and members to prioritize and facilitate the ongoing PUG community agenda for the coming year.

Facilitators:

Brian Boulmay, Esri

Andrew Norris, NextEra Energy Resources

Additional Special Interest Groups

- Trends and Technology in Mining SIG: A Community-Based Discussion | Wednesday, July 13, 2022, 11:30 AM, SDCC, Room 25 A
- Trends and Technology in Pipeline SIG: A Community-Based Discussion | Thursday, July 14, 2022, 11:30 AM, SDCC, Room 28 A
- Trends and Technology Applied to Renewable Energy SIG | Thursday, July 14, 2022, 11:30 AM, SDCC, Room 24 B

Petroleum User Presentations

Petroleum User Presentations				
Tuesday, July 12				
TIME	SESSION TITLE	COMPANY	PRESENTATION TITLE AND SPEAKERS	LOCATION
8:30 AM	Intelligent Petroleum Operations	40Geo	Data, Analytics, Visualization: The Three-Legged Maritime Domain Awareness Stool – <i>Keith Fraley</i>	SDCC - Room 24 A
9:00 AM	Intelligent Petroleum Operations	Hilcorp	Mobile Applications for Oil & Gas – <i>Anne Johnson, Max Molello</i>	SDCC - Room 24 A
10:00 AM	GIS Supporting HSE/ESG in Petroleum	Environmental Defense Fund, Stone Environmental, Inc.	PermianMAP: Mapping Methane Emissions in the World's Largest Oil Field – <i>Jack Warren, Katherine Roberts, Barbara Patterson</i>	SDCC - Room 24 A
10:30 AM	GIS Supporting HSE/ESG in Petroleum	Saudi Aramco	Mapping the Site Conservation Value for every point in the Kingdom of Saudi Arabia – <i>Bruce Burwell</i>	SDCC - Room 24 A
1:00 PM	Petroleum Enterprise GIS	ExxonMobil, Esri	Compilation of Usage Metrics for ArcGIS Enterprise via Operations Dashboard – <i>Ulf Becker, David Jacob</i>	SDCC – Room 27 B
1:30 PM	Petroleum Enterprise GIS	Antero Resources	Empowering Midstream and Upstream Users with Mobile and Enterprise ArcGIS – <i>Heather Stanton</i>	SDCC – Room 27 B

2:30 PM	Petroleum GIS Tech and Innovation	TotalEnergies E&P Americas, LLC	When GIS Meets AI, A Seismic Uplift Fees Validation – <i>Marco Terrazas</i>	SDCC - Room 25 B
3:00 PM	Petroleum GIS Tech and Innovation	Exprodat, Magnolia Oil and Gas	Analyzing Well Relationships and Modeling Future Well Inventory with ArcGIS Pro – <i>Richard Webb, Robert Hendrickson</i>	SDCC - Room 25 B

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
Petroleum Specific		
Applying Client Criteria to Measure Site Suitability for Solar Power Potential	Langan Engineering & Environmental	D-08-06
Contour Creation for Depth to Bedrock Studies	Langan Engineering	D-08-08
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 (<i>Yucca brevifolia</i>)	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
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 Petroleum Team



Brian Boulmay
*Director, Petroleum
Community & Solutions*
bboulmay@esri.com



Geoff Wade
Community Outreach
gwade@esri.com



Sam Rosario
*Business Development
Team lead*
srosario@esri.com



Sarah Powell
*Senior Industry
Marketing Manager*
Sarah_powell@esri.
com



Fernando De Vivo
*Professional Services
Lead*
fdevivo@esri.com



Paul Hartwell
*Natural Resources
Partner Executive*
phartwell@esri.com

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

Stay connected with the Esri Petroleum Community all year long!

- Twitter: [@EsriPetroleum](https://twitter.com/EsriPetroleum)
- LinkedIn: [PUG Online](https://www.linkedin.com/company/esri-petroleum)
- [Esri's Petroleum Community](https://www.esri.com/industry/petroleum)
- [Esri Petroleum Website](https://www.esri.com/industry/petroleum)