Forestry Events and Activities

Dear Esri User Conference Forestry Attendee,

We are excited to welcome you to the 2024 Esri User Conference! We have a terrific lineup of sessions for you to choose from this year - forestry focused case-studies, a Special Interest Group (SIG) Meeting, a social, showcase demos, tech workshops, partner solutions, map gallery posters and much more. We have created this document to help guide you through what we see as some of the most relevant items, activities and information offered to you as a Forestry Attendee, but it is by no means complete in all that is happening at UC. We hope it is useful in making the best of your time, but please explore the many other options open to you.

Checklist for UC Success

1. **Download the Esri Events App:** Download the Esri Events App and have all the UC has to offer at your fingertips. This is very helpful for building your daily schedule for the week and making the most of your time. Please see the online Forestry Custom Agenda which has the essential sessions of the Forestry Track, including the Forestry User Papers, SIG, and Social. Click the link to add them to your personal schedule, and they will appear in your Events App.

2. **Review Jack Dangermond's Pre UC Q&A:** We like to maintain an open and active dialog with our users. Check out the answers to common questions about software development, products, industries, education, and support. The Q&A offers a wealth of information, even if you only read the most important issues to YOU.

3. **Attend the Plenary Session:** Join Esri President Jack Dangermond, to see how GIS is playing a strategic role in *GIS-Uniting Our World,* the theme for this year's conference. Here is the full line up of Plenary speakers and events. Plan to arrive a few minutes early to secure a good seat, doors will open at 7:45 am. If you are new to the UC layout, you may find this online Conference Center Map useful.

Your Week at a Glance

Sunday		Pre-Conference Workshops
Monday	8:30 AM -3:30 PM	Plenary
	4-6 PM	Map Gallery Reception
Tuesday		Technical Workshops
	9:00 AM –6:00 PM	Expo Hall
	4:00 PM –6:30 PM	Science Symposium
Wednesday		**Forestry Track!**
		User Presentations
	11:30 AM -12:30 PM	Forestry Special Interest Group Meeting
	6-8 PM	Forestry & Agriculture Social
	3:30-5:30 PM	Esri Awards Ceremony
Thursday		Technical Workshops
	9:00 AM –6:00 PM	Expo Hall
	5:30-10:00 PM	Thursday Night Celebration
Friday	10:30 AM	Closing Session

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

Forestry User Presentations

The Forestry track takes place on Wednesday, 17 of July. To find other Natural Resource related sessions and events, and to create your own personalized schedule, please search the online agenda and download the Esri Events app. You can also build your schedule from your desktop and then access it on your mobile device using the app. We've created a summarized list of the forestry related user presentations below, please use the links to review the abstract presentations themselves:

Moderated Paper Presentations

Tuesday, July 16

10:00 AM	ENR	[Scaling Land Management and Improving Efficiencies with ArcGIS](#)	SDCC, Room 28 AB

Using ArcGIS Mobile Apps to Control Invasive Species
David Cassin, Lake County Forest Preserve District
Nick Spittlemeister, Lake County Forest Preserve District

Understanding the Forest Through the Trees
Alden Ross, US Army Corps of Engineers, Rock Island District
Christopher Hawes, US Army Corps of Engineers, Rock Island District

Wednesday, July 17

8:30 AM	Forestry	[Managing Forest Lands](#)	SDCC, Room 26 AB

*Session description has been updated from online agenda
Explore approaches and success stories in utilizing geospatial technology for effective forest management. Learn from your peers as they share their experiences in leveraging GIS to enhance their knowledge of forest lands, streamline timber sales processes, effectively communicate their achievements to both internal and external stakeholders, and navigate evolving regulations.

Telling the Story of the Kaibab National Forest Through GIS
Joe Hernandez, David Danker, Mark Christiano
Kaibab National Forestry

Riparian Buffer Tools for Forest Management
Sierra Hosea, Starker Forests, Inc

8:30 AM		[Data Sharing Approaches for the Public Good](#)	SDCC, Room 29 A

Shared Imagery Hosting Across Government using Kubernetes
John Gillham, USDA Forest Service

Establishing CUI Protocols - Collecting and Viewing Data using ArcGIS Field Maps
Mark Dhruv, EA Engineering, Science, and Technology, Inc., PBC

1:00 PM	Forestry	Enhancing Forest Inventory with a Collaborative Approach	SDCC, Room 26 AB

*Session title and description has been updated from online agenda

Formerly titled: [Mitigating Environmental and Social Impacts of Supplier Operations](#)

Discover how geospatial technology is transforming the field of forest inventory by enabling seamless collaboration and data management. Explore real-world examples of organizations leveraging advanced geospatial tools and techniques to streamline workflows, facilitate data sharing, and enhance collaboration among stakeholders. Gain valuable insights into the benefits of adopting a collaborative approach in forest inventory management.

ArcGIS as Database of Record for Timber Inventory: Case Studies in Collaboration
Kerry Halligan, Woodland Solutions Group

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| 2:30 PM | Forestry | [Data-Driven Decision Making and Creating Tangible Change](#) | SDCC, Room 26 AB |

Sustainability & Economic Growth: Solving with Spatial Thinking
Sarah Benčić, CRIBE

The Monitoring Platform for Deforestation Alerts in the State Mato Grosso do Sol
Romullo Louzado, Imasul

Special Interest Group Meeting

Forestry SIG: Advancing Forestry Through Imagery and Remote Sensing
Wednesday, 17 July 2024
11:30 am to 12:30 pm
Ground Level, SDCC - Room 8

Join us at the Forestry SIG for a dynamic panel discussion with your peers as we explore the integration of imagery and remote sensing in advancing forestry practices. Gain insights from panelists as they share adoption journeys and real-world applications. Explore the power of imagery to gain valuable spatial insights, navigate industry challenges, and capitalize on opportunities. Learn how integrating imagery and remote sensing in your GIS workflows can enhance transparency, foster collaboration, promote sustainability, and improve operational efficiency to drive business value.

Panelists:
John Gillham, US Forest Service
Jared Craig, Ohio Department of Natural Resources
Andrew Bourque, Nuveen Natural Capital

Special Interest Group Meetings for Related Industries	
Tuesday, July 16	
11:30 AM [Environment and Natural Resources](#)	SDCC, Room 30 CDE
Thursday, July 18	
11:30 AM [Agriculture SIG](#)	SDCC, Room 1 AB
[Wildland Fire SIG](#)	SDCC, Room 9

Forestry & Agriculture Social

Wednesday, 17 July 2024 | 6:00 PM–8:00 PM
Marriot, Grand Ballroom Outdoor Terrace

Thank You to Our Sponsors

Expo Showcase

The UC Expo Showcase is extensive this year, with Technology areas, Demo Theaters, Industry Specific Resource Areas, and very many Esri Partners. We encourage you to browse at will – but there is a Showcase map if you wish to pick and choose.

Natural Resources Showcase

Tuesday, July 16   9:00 AM–6:00 PM
Wednesday, July 17   9:00 AM–6:00 PM
Thursday, July 18   9:00 AM–4:00 PM

Ground Level Exhibit Hall A, San Diego Convention Center (SDCC)
Visit the Natural Resources Showcase to see geographic information system (GIS) solutions for Forestry.

Other Showcase Areas of Interest

Sustainable World Community
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 to affect people, planet, prosperity, and peace.

GIS Day
Join us, in celebrating a quarter-century of GIS innovation and spatial awareness as we commemorate the 25th anniversary of GIS Day! *Mapping Minds, Shaping the World: 25 Years of GIS Excellence* is our theme. To register an event and get resources please visit www.gisday.com and stop by the GIS Day booth in Hall C.

Highlighted Demo and Tech Sessions

There is a wealth of sessions available throughout the week. You'll find everything from product updates, map design sessions, open conversations on workflows for the office and the field, Cloud Configurations and Security options, and many more. Demo sessions allow you to check out and visualize products in action. Here are a few recommendations.

Demo Theater Schedule – Mostly Demo Oriented & Product Focused

Tuesday, July 16

10:00 AM	ArcGIS Image for ArcGIS Online: Processing and Analyzing Imagery	SDCC, Theater 11
	ArcGIS Pro: Creating Vector Tiles	SDCC, Theater 5
	ArcGIS QuickCapture: Collecting and Exploiting Oriented Imagery	SDCC, Theater 10
	GeoAI for Identification of Assets	SDCC, Theater 12
11:30 AM	ArcGIS Experience Builder: Building Your First Widget	SDCC, Theater 1
	ArcGIS Pro: Sharing Web Layers, Updating Web Maps, and Packaging Projects	SDCC, Theater 5
	Automating Imagery Workflows with Deep Learning	SDCC, Theater 11
1:00 PM	ArcGIS Pro: Deploying Across Your Organization	SDCC, Theater 3
	ArcGIS Pro: Working with Temporal Data Across GIS	SDCC, Theater 5
	ArcGIS Solutions: GIS Program Management	SDCC, Theater 4
2:30 PM	ArcGIS Data Pipelines: From Cloud Data Stores to ArcGIS Online	SDCC, Theater 2
	ArcGIS GeoEvent Server: Applying Real-Time Analytics	SDCC, Theater 10
	ArcGIS Workflow Manager: Optimizing Data Collection from the Field to the Office	SDCC, Theater 12
	Network Analyst: Optimize Deliveries with the Last Mile Delivery Solver	SDCC, Theater 7
4:00 PM	ArcGIS 3D Analyst: 3D Feature and Surface Analysis	SDCC, Theater 9
	ArcGIS Field Operations: Using ArcGIS Field Maps for Event Management	SDCC, Theater 4
	ArcGIS Online: Effective Tools to Manage Your Organization	SDCC, Theater 14
	Fine Tuning Field Operations with High-Accuracy GPS and Sensors	SDCC, Theater 10

Wednesday, July 17

10:00 AM	ArcGIS: Manage and Visualize Oriented Imagery	SDCC, Theater 11
	ArcGIS Online and ArcGIS Enterprise: Building Routing Applications	SDCC, Theater 8
	ArcGIS Workflow Manager: Automating Your Production Processes	SDCC, Theater 4
11:30 AM	Automating Field Operations	SDCC, Theater 10
	ArcGIS Notebooks: Spatial Data Science Workflows	SDCC, Theater 8
	ArcGIS Online and ArcGIS Enterprise: An Overview of ArcGIS Arcade	SDCC, Theater 7
1:00 PM	ArcGIS Velocity: Applying Real-Time and Big Data Analytics	SDCC, Theater 12
	Planning a Drone Flight for Mapping or Geospatial Video Capture	SDCC, Theater 11
2:30 PM	ArcGIS API for Python: Mapping and Exploring Spatial Data	SDCC, Theater 3
	ArcGIS GeoAnalytics Engine: Applications and Use Cases	SDCC, Theater 9
	ArcGIS Living Atlas of the World: Content for your Daily Workflows	SDCC, Theater 2
	ArcGIS Spatial Analyst: Suitability Modeling and Distance Analysis	SDCC, Theater 8
	Indoors GIS: Hout to Build Custom Indoor Mapping and Positioning Apps	SDCC, Theater 10
4:00 PM	ArcGIS StoryMaps: Dynamic Briefings Anywhere, Anytime, Even Offline	SDCC, Theater 13
	Using Pretrained Deep Learning Models for Feature Extraction and Classification	SDCC, Theater 11

Thursday, July 18

10:00 AM	ArcGIS Knowledge: Analysis Use Cases with Knowledge Graphs	SDCC, Theater 7
	ArcGIS Online: Slope Susceptibility Analysis	SDCC, Theater 13
	ArcGIS Pro: Enhancing Your GIS with Reality Mapping	SDCC, Theater 11
1:00 PM	ArcGIS for Excel: Spatially Enabled Spreadsheets	SDCC, Theater 4
2:30 PM	ArcGIS and Drones to Enhance Field Operations	SDCC, Theater 7
	ArcGIS Enterprise on Kubernetes: Wreck It and Recover It	SDCC, Theater 6
	ArcGIS Image Analyst: Tips and Tricks	SDCC, Theater 11
	ArcGIS Pro Tasks: Tips and Tricks	SDCC, Theater 9
	Managing Offline Maps: Best Practices	SDCC, Theater 14

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Technical Sessions – PPT Presentations with Relevant Demos, Varied Styles

Tuesday, July 16

8:30 AM	3D GIS: An Overview	SDCC, Room 2
	ArcGIS Enterprise: An Overview	SDCC, Ballroom 20 BC
	ArcGIS Living Atlas of the World: An Overview	SDCC, Room 17 AB
	ArcGIS Pro and ArcGIS Image for ArcGIS Online: An Overview of Image Analysis	SDCC, Room 14 AB
	ArcGIS Pro: Mapping and Visualization	SDCC, Room 16 AB
	ArcGIS Workflow Manager: An Overview	SDCC, Room 4
	Field Operations: An Overview	SDCC, Ballroom 6 DE
10:00 AM	ArcGIS Dashboards: An Overview	SDCC, Room 15 AB
	ArcGIS Enterprise: Administering Your Deployment	SDCC, Room 17 AB
	ArcGIS for Microsoft 365: An Overview	SDCC, Ballroom 20 D
	ArcGIS Living Atlas of the World: Basemaps Are Not Just the Background	SDCC, Ballroom 6 DE
	Big Data and GeoAnalytics: An Overview	SDCC, Room 2
1:00 PM	ArcGIS Enterprise on Kubernetes: Is It For Me?	SDCC, Room 2
	ArcGIS Experience Builder: An Overview	SDCC, Room 15 AB
	ArcGIS Spatial Analyst: An Overview	SDCC, Room 33 ABC
	Defining and Implementing Your Geospatial Strategy	SDCC, Room 9
2:30 PM	ArcGIS 3D Analyst: Working with Lidar	SDCC, Ballroom 6 CF
	ArcGIS Field Maps: Unlocking the Power of Mobile Maps	SDCC, Room 1 AB
	ArcGIS: Map Wizardry	SDCC, Ballroom 20 D
	ArcGIS Spatial Analyst: Finding the Best Locations Using the Suitability Modeler	SDCC, Room 5 AB
	ArcGIS StoryMaps: An Overview	SDCC, Room 15 AB
	ArcGIS Velocity: An Overview	SDCC, Room 30 AB
	Spatial Data Science in ArcGIS	SDCC, Ballroom 20 BC
4:00 PM	ArcGIS and Imagery: What's New With Deep Learning	SDCC, Room 31 ABC
	ArcGIS Field Maps: What's New and the Road Ahead	SDCC, Ballroom 6 DE
	ModelBuilder: An Overview	SDCC, Room 14 AB

Wednesday, July 17

8:30 AM	ArcGIS: How to Create a Digital Twin	SDCC, Room 16 AB
	ArcGIS Living Atlas of the World: An Overview of Imagery Content	SDCC, Room 30 AB
10:00 AM	ArcGIS Dashboards: Best Practices	SDCC, Room 33 ABC
	ArcGIS Enterprise: What's New	SDCC, Room 15 AB
	ArcGIS Pro: 3D Tips and Tricks	SDCC, Ballroom 6 A
1:00 PM	Adoption Strategies: Preparing Your Organization for GIS	SDCC, Ballroom 20 BC
	ArcGIS Monitor: An Overview	SDCC, Ballroom 6 DE
	ArcGIS Online: What's New	SDCC, Room 32 AB
	Imagery: What's New	SDCC, Ballroom 6 CF
2:30 PM	ArcGIS Enterprise: Cloud Implementation Best Practices	SDCC, Room 10
	ArcGIS Online and ArcGIS Enterprise: Better Together?	SDCC, Room 32 AB
4:00 PM	ArcGIS Survery123: What's New and the Road Ahead	SDCC, Room 31 ABC

Thursday, July 18

8:30 AM	ArcGIS Online: The Road Ahead	SDCC, Ballroom 6 A
1:00 PM	ArcGIS Experience Builder: Migrating from ArcGIS Web AppBuilder	SDCC, Ballroom 6 CF
	ArcGIS Field Maps: Best Practices for Offline Field Workflows	SDCC, Room 30 AB
	ArcGIS Pro: The Road Ahead	SDCC, Ballroom 6 A
	ArcGIS QuickCapture: What's New and the Road Ahead	SDCC, Room 5 AB
	Designing ArcGIS Systems for Imagery Data Management	SDCC, Room 17 AB
2:30 PM	ArcGIS Enterprise: The Road Ahead	SDCC, Ballroom 6 A
	ArcGIS Survery123: Advanced Smart Form Design Techniques	SDCC, Room 32 AB
4:00 PM	ArcGIS Enterprise: Integrating Cloud-Native Services	SDCC, Room 15 AB

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Partners of Note

There are nearly 200 exhibitors on the main show floor from Tuesday through Thursday. It's a great opportunity to browse new solutions and pick up ideas from other industries that you can apply back to your own work. These sponsors and exhibitors are a good start for your exhibit browsing:

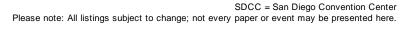| Exhibitor	Booth #	Exhibitor	Booth #
Airbus	926	Maxar	729
Argis Solutions	2012	Planet	530
Axim Geospatial	719	Regrid	414
Bad Elf	526	ROK Technologies	1627
DTN	327	SkyWatch	828
Eos Positioning Systems	927	Trimble	1227
First American Data & Analytics	214	VertiGIS.	319
Geo Jobe GIS Consulting	1819	WhiteStar Corporation	204
Leica Geosystems	619		

Map Gallery

Opening & Evening Reception, Monday July 15, 4:00 p.m.–6:00 p.m.
SDCC Sails Pavilion (Upper Level)

Browse maps that showcase the work of ArcGIS users around the world, or search for your interest areas using terminals in the gallery. We will curate a list of forestry related maps and a few general interest ones that catch our attention as they become available to us and add as an Appendix to this document. We encourage you to browse and pick up some great map-making ideas outside of your usual domain. Following the Conference, all the maps will be available in the online Map Gallery.

Don't Miss These Activities

Esri UC Plenary Session	Monday, July 15	8:30 AM–3:30 PM
Academic GIS Program Fair	Monday, July 15	2:30 PM–5:00 PM
Map Gallery Reception	Monday, July 15	4:00 PM–6:00 PM
Science Symposium	Tuesday, July 16	4:00 PM–6:30 PM
Esri Awards Ceremony	Wednesday, July 17	3:30 PM–5:30 PM
Thursday Night Celebration	Thursday, July 18	5:30 PM–10:00 PM
UC Closing Session	Friday, July 19	10:30 AM–NOON

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Activities for Friends and Family

KiddieCorp Childcare
Our trusted partner KiddieCorp provides a program for children from newborn to age 12. This program is designed to keep your kids engaged with exciting activities and offer you peace of mind while attending the 2024 Esri UC. Our goal is to provide your children with a comfortable, safe, and happy experience. Sign up form.

Price
Program reservations made through June 14, 2024, are $10 per hour, per child.
Reservations made after June 14 are subject to availability and are $12 per hour, per child.

Dates, times, and location
Monday, July 15 | 7:30 a.m.–6:30 p.m.
Tuesday, July 16 | 7:30 a.m.–6:30 p.m.
Wednesday, July 17 | 7:30 a.m.–5:30 p.m.
Thursday, July 18 | 7:30 a.m.–5:30 p.m.
Friday, July 19 | 7:30 a.m.–12:30 p.m.
Marriott Marquis San Diego Marina

Morning Yoga
Tuesday, July 16, and Thursday, July 18 | 6:30 a.m.–7:30 a.m.
Hilton San Diego Bayfront—Promenade Plaza

Participants aged 18 years and over are welcome to join. Guests of Esri UC attendees can register on-site at the Activities Desk in Lobby D of the San Diego Convention Center beginning on Saturday, July 13, 2024.

Price
Early bird until July 10 | $35
On-site starting July 13 | $40
Price includes a yoga mat

Esri 5K Fun Run/Walk
Wednesday, July 17 | Shotgun start at 6:30 a.m.
Starting and finish lines | Hilton San Diego Bayfront to Embarcadero Boardwalk

Participants aged 18 years and over are welcome to join. Guests of Esri UC attendees can register on-site at the Activities Desk in Lobby D of the San Diego Convention Center beginning on Sunday, July 14, 2024.

Price
Early bird until July 10 | $55
On-site starting July 14 | $60
Price includes Esri 5K T-shirt and medal

Family Night at the Expo
Wednesday, July 17 | 4:00 p.m. .–6:00 p.m.
San Diego Convention Center | Expo Hall

Esri Kids Fair
Kids ages 5 to 14 are welcome to participate. A parent or guardian must be present at all times. Registration is available on-site at no additional cost.

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Tuesday, July 16 | 8:30 a.m.–5:30 p.m.
Wednesday, July 17 | 8:30 a.m.–5:00 p.m.
Thursday, July 18 | 8:30 a.m.–2:00 p.m.
Marriott Marquis Marina San Diego

Thursday Night Party
Thursday, July 18 | 5:30 p.m.–10:00 p.m.
Balboa Park

The Thursday Night Party is included in your Esri UC registration. Wristbands are required for entry. Additional wristbands for family and friends (not attending Esri UC) are available for $60 at the Activities Desk in Lobby D of the San Diego Convention Center. Children aged 12 years and under receive free admission and do not require a wristband.

MEET YOUR TEAM!

Reach out to the Esri Forestry staff during the conference, you can find us at the Natural Resources showcase. Schedule a meeting beforehand by emailing an account manager.

Plus, stay connected with the Esri Forestry online community all year long!

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