



## Private and Utilities UC 2021 program Tips & Tricks

### Monday 12.7.2021

*Time 18:30 – 22:00 Esri User conference Plenary session 1*

Jack Dangermond, Esri staff, and special guests will share their powerful stories of how GIS is helping users shape our science, policies, and actions.

*Time 22:30 – 23:30 ArcGIS: An Introduction*

ArcGIS is your first step toward better, smarter decision making and a more efficient organization. In this session, we will explore the capabilities of ArcGIS, and how they can be used to apply location-based analytics to your business practices. In addition, we will discuss how ArcGIS facilitates collaboration via maps, apps, dashboards, and reports.

### Tuesday 13.7.2021

*Time 17:15 – 18:15 ArcGIS Enterprise: The Road Ahead*

In this session, we will present both the short and long-term vision for ArcGIS Enterprise across many capabilities that are part of the product.

*Time 17:15 – 18:15 ArcGIS Velocity: An Introduction*

ArcGIS Velocity is a new real-time and big data processing and analysis capability in ArcGIS Online. It enables you to ingest, visualize, analyze, store, and act upon data from Internet of Things (IoT) sensors.

*Time 17:15 – 18:15 ArcGIS QuickCapture: An Introduction and What's New*

ArcGIS QuickCapture is Esri's rapid field data collection mobile app. Through its 'big button' user experience, ArcGIS QuickCapture allows field users to intuitively capture field observations to support at-speed asset inventories, on-the-go damage assessments, aerial surveys and much more.

*Time 17:15 – 18:15 ArcGIS Insights: Interactive Data Science and Analytics*

Anyone involved in spatial analysis or data science begins their work wanting to answer a question. ArcGIS Insights is designed to make interactive and exploratory analyses fast and intuitive, and crucially, to help you get to your answer.

*Time 18:30 – 20:00 Esri User conference Plenary session 2*

Jack Dangermond, Esri staff, and special guests will share their powerful stories of how GIS is helping users shape our science, policies, and actions.

*Time 21:45 – 22:45 ArcGIS Online: Spatial Analysis*

This workshop introduces the spatial analysis capabilities available in ArcGIS Online, Esri's cloud-based mapping and analysis system.

*Time 21:45 – 22:45 ArcGIS Survey123: Working with Online Surveys*

Online forms are the ideal way to collect information easily and reliably on any digital platform including social media, websites or embedded in other web applications. Join this session to learn how you can build online forms with drag-and-drop ease using the ArcGIS Survey123 web designer.

*Time 21:45 – 22:45 Imagery in ArcGIS: What's New*

This session will provide an overview of the powerful desktop, enterprise, and SaaS solutions for managing, mapping, analyzing, visualizing, and sharing your imagery in ArcGIS. Learn how ArcGIS is designed to work with all kinds of imagery and raster data, including satellite, aerial, and drone imagery, scientific data, data cubes, video, scanned maps, and elevation.

*Time 21:45 – 22:45 ArcGIS: Data Interoperability and Integration*

This presentation walks through the key tools and patterns you can use to achieve interoperability in your heterogeneous IT environment. As an open, interoperable and standards-compliant platform, ArcGIS enables integrations at the data, metadata and services levels.

*Time 23:00 – 24:00 ArcGIS Online: The Road Ahead*

In this session, the ArcGIS Online team demo new capabilities that were just released with ArcGIS Online and discuss and demo new capabilities that are coming in the next year.

*Time 23:00 – 24:00 ArcGIS Enterprise: Designing Sites and Pages*

Using ArcGIS Enterprise Sites, you can create a tailored experience via websites and pages that supports easy discovery of maps, apps, and other content in ArcGIS.

*Time 23:00 – 24:00 ArcGIS Indoors: Turn Your CAD and BIM Data into Floor-Aware Maps*

Convert your project-based CAD and BIM engineering files into a spatial system of record for your facilities. Build a 2D and 3D indoor, floor-aware GIS that can support indoor asset management, safety and security, workspace reservation, space planning, and more. In this session, learn how to use ArcGIS Indoors to transform CAD and BIM formats into the ArcGIS Indoors Information Model and leverage indoor mapping capabilities of ArcGIS.

*Time 23:00 – 24:00 Spatial Data Science: Data Visualization and Exploration*

This workshop will cover how data visualization techniques within ArcGIS can help you explore your data, interpret the results of analysis, and communicate findings.

## **Wednesday 14.7.2021**

### *Time 17:30 – 18:30 GIS + BIM for AEC Project Delivery and Operations*

Improving BIM and GIS integration has enabled users to support project delivery and operations by adding context throughout an asset's life cycle, enabling new capabilities for Digital Twins. Get an overview of ArcGIS connectors within design, discuss Esri investment in BIM connectivity in ArcGIS Pro and reality capture, learn how it can supply GeoBIM workflows, and hear about other road map advancements.

### *Time 17:30 – 18:30 ArcGIS 2021: Technology Advances and RoadMap*

ArcGIS is at its core geospatial technology that allows our customers to realize powerful information systems. The plenary session of the user conference will have given you a broad overview of the different aspects of the ArcGIS System. Join this overview session to look deeper into the key geospatial technology advances in ArcGIS 2021 as well as to get an overview of the roadmap and direction for the different aspects of ArcGIS.

### *Time 17:30 – 18:30 ArcGIS Velocity: Real-Time and Big Data Analytics*

ArcGIS Velocity is a new real-time and big data processing and analysis capability in ArcGIS Online. Join the discussion showcasing how to create real-time analytics to detect patterns of interest from continuous streams of events.

### *Time 17:30 – 18:30 ArcGIS StoryMaps: What's New and What's Coming*

ArcGIS StoryMaps keeps getting better! We have added updates and enhancements that expand the authoring tools for creative storytelling and improve the reading experience. Tune in to learn about new storytelling features.

### *Time 17:30 – 18:30 ArcGIS: Introduction to Deep Learning*

ArcGIS provides a rich suite of tools and APIs to perform end-to-end deep learning workflows. In this session, see how pre-trained deep learning models and AI-infused apps and solutions make deep learning more approachable. Label, train, and use deep learning models in ArcGIS Pro, ArcGIS Enterprise and ArcGIS Online to perform tasks like object classification and detection, pixel classification and change detection.

### *Time 20:00 – 21:00 ArcGIS Indoors: Working with Facility Management Systems*

In this session we will cover ArcGIS Indoors interoperability with facility management systems. Learn how to augment your existing CMMS, IWMS, RTLS, or BAS with indoor maps and apps to support asset inventory and inspection, workspace reservation, building incident reporting, real-time person, and asset tracking, spatial dashboarding, location sharing, way finding, and more.

*Time 20:00 – 21:00 ArcGIS Field Apps: The Road Ahead*

Join this session to hear the field apps team discuss what is new and what's coming to Esri field apps. This session will cover the entire field apps suite, which includes Field Maps, Navigator, QuickCapture, Survey123, and Workforce.

*Time 20:00 – 21:00 Drone Imagery: Creating Orthomosaics, DEMS and 3D Mesh*

Learn about Esri's solutions for imagery mapping using drone imagery in field, desktop, enterprise, and SaaS environments. Use the photogrammetric capabilities of ArcGIS to process raw drone imagery to generate accurate orthomosaics, digital elevation models, point clouds, and 3D mesh, and learn about options for asset inspection and working with drone video.

*Time 20:00 – 21:00 Big Data, Spatial Analytics and Machine Learning: Workflows and Applications*

Come and see how the Advanced Spatial Analytics team in Professional Services is enabling users to harness the power of big data analytics, spatial analytics, and deep learning for their geospatial workflows. We will demonstrate various industry use cases and how we solve real world problems.

*Time 21:15 – 22:15 ArcGIS Online: Partnered Collaboration Between Organizations*

Promote collaborative map and app editing between multiple ArcGIS Online organizations using Partnered Collaboration. Learn how to co-manage groups, maps, apps, and members to create rich inter-organizational content.

*Time 21:15 – 22:15 ArcGIS: Map Wizardry*

Sit back and enjoy this inspiring cartographic ride! In this session we share some truly mesmerizing maps to demonstrate the cartographic power and flexibility of the ArcGIS platform. We go beyond the defaults, and bend ArcGIS to our every cartographic whim to bring data to life using innovative and imaginative techniques.

*Time 21:15 – 22:15 Spatial Data Science: What's New in Time Series Analysis*

Spatiotemporal data is more important than ever in addressing the world's greatest challenges. This workshop covers capabilities that make ArcGIS Pro a workstation for time series analysis, beginning with time series visualization and data engineering. The workshop then continues with an exploration of time series analysis methods related to smoothing, clustering, and forecasting. We will cover the concepts behind traditional statistical and machine learning methods and accompany them with demonstrations to show the spatiotemporal capabilities of ArcGIS Pro.

*Time 22:30 – 23:30 ArcGIS GeoBIM: Connecting GIS & BIM*

Recently, GIS and BIM integration has seen tremendous growth on multiple fronts: extending GIS to design applications, consuming BIM content directly into GIS, and visualizing these in new web experiences that can be shared with project or operation teams.

*Time 22:30 – 23:30 ArcGIS Solutions for Utility Data Management: An Overview*

This session will provide an overview of a set of data management solutions that help water, sewer, stormwater, electric, gas and telecommunication utilities manage authoritative asset inventories.

*Time 22:30 – 23:30 Spatial Analysis & Data Science: The Road Ahead*

In this session we'll share the roadmap for spatial analysis and data science within ArcGIS. From new user experiences to distributed computing at a massive scale to advancements in spatial science to cutting edge deep learning, we'll share what's coming and how it will help you continue to address the world's biggest challenges.

*Time 22:30 – 23:30 ArcGIS Online: Using Smart Mapping*

Smart mapping helps you quickly create attractive and useful maps. Live demos in the new Map Viewer showcase its value: map styles to match your data, intelligent recommendations, well-designed color ramps, symbols, pop-ups and labels, and easy customization options to suit your map's purpose.

[Explore the full agenda](#)