Recap 2025
&
What’s Ahead in 2026?

Eric Lomelí

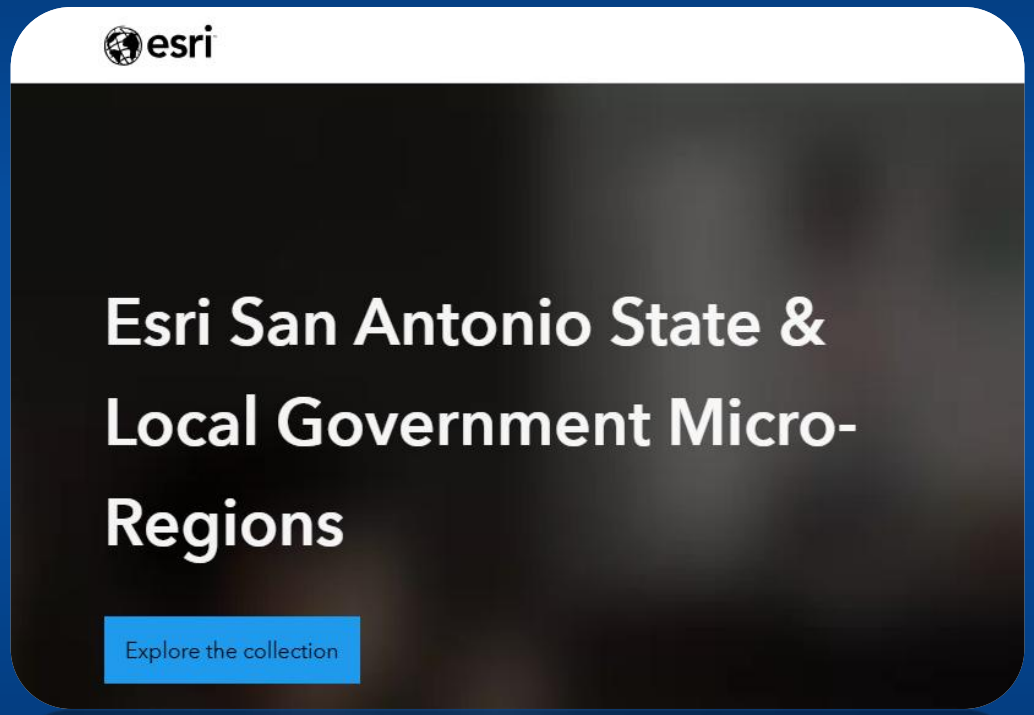
Senior Account Manager

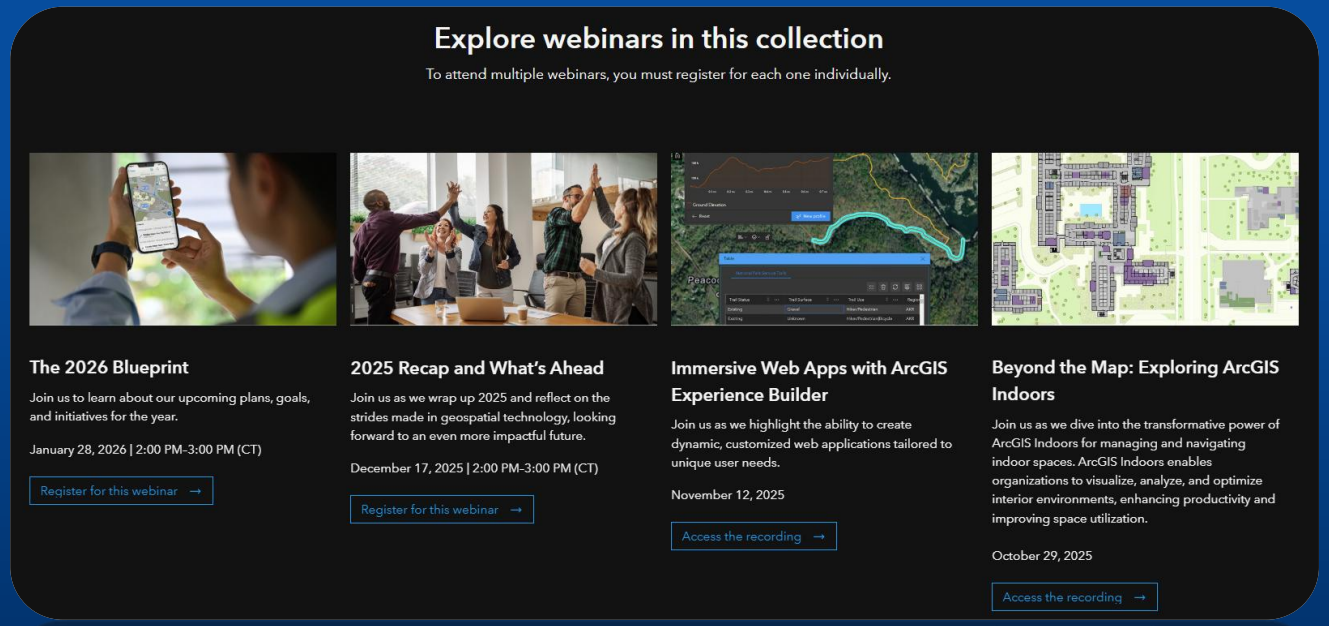
What We Will Cover Today

Micro-Region (December)

- 2025 Micro-Region Presentations
  - Highlights/Recap
  - Further Resources
- 2025 Major Themes
- What’s Ahead (2026)?
- Discussion/Input

https://www.esri.com/en-us/webinars/industry/state-local-government/esri-san-antonio-region-micro-regions





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January

Adoption Strategies: Preparing Your Organization for GIS

Michael Green

IRL – In Real Life

Geospatial System Components

People

Process

Data

Technology

People-focused adoption benefits

Faster Adoption

Individuals have the willingness and knowledge needed to quickly adopt new technology workflows.

Broader Adoption

The number of new technology users consistently grows to meet or exceed adoption targets.

Higher Proficiency

Users efficiently produce the expected output and find new ways to apply ArcGIS capabilities.

Source: Prosci - https://www.prosci.com/

Geospatial Program Framework

Business	Governance	Systems	Engagement	Capacity
Strategy & Executive Sponsorship	Organization	Well Architected Framework (WAF)	Awareness & Promotion	Knowledge & Skills Development
Investment and ROI	Policies & Standards	Innovation & Modernization	Communication & Collaboration	Building Capabilities
Value & Alignment	Processes & Procedures	Data & Information Product Management (SOR)	Adoption	Human Capital Management (HCM)
Initiative Priortization	Controls & Metrics	Insights & Analytics (SOI)	Culture	GIS Patterns of Use
Solution Portfolio (SOE)	Delivery & Operations	Web GIS Operations & Management	Advocacy	Leadership Development

Adoption Strategies

Further Resources

The Path to Geospatial Excellence | From Strategy to Operations

How to Create the Path to Geospatial Excellence | ArcWatch

Geospatial Change Management | Communications & User Adoption Strategies

February

Network Management with ArcGIS

Foundational Technologies for Modern Network and Asset Management

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Network Management with ArcGIS

More than just where assets are

- System of record
- Trusted information
- Available anywhere
- Enables analysis

ArcGIS supports modern water and wastewater utility workflows

A Comprehensive Location-Based System

Data Management

Asset condition assessment, planning and reporting

Field Operations

Tracking and Reporting on the progress of field activities

Customer Engagement

Tracking customer issues and identifying customer patterns

External **Asset Management** Systems

External **Customer Information** Systems

ArcGIS Solutions

Solutions support network modernization

- Industry standard data models
- Scale to utilities of any size
- Expedite modernization

Combined Sewer
Utility Network Foundation

Sewer
Utility Network Foundation

Water Distribution
Utility Network Foundation

Stormwater
Utility Network Foundation

Network Management

Further Resources

Water Utility Network | Solutions for Modern Network Management

Work with a utility network—ArcGIS Pro | Documentation

Modern Network Information Management for Utilities of All Sizes | Summer 2025 | ArcNews

March

Generating Photogrammetry Outputs & Derivatives in ArcGIS

Anna Gonzalez - Solution Engineer

ArcGIS is a Comprehensive Imagery System

Integrating all aspects of imagery within ArcGIS

Reality Mapping

Creating Foundation Content

- Drone, Aerial & Satellite
- True Ortho
- DSM & DTM
- 3D Mesh & Point Cloud

Analysis

Extracting Information & Scalable Analytics

- GeoAI
- Classification
- Change Detection
- Feature Extraction

Visualization

Enabling Human Understanding

- Apps
- Image Interpretation
- Map & Image Space
- Oriented Imagery
- Stereo, Video

Data Management

Providing Access to Imagery

- All Formats & Types
- Tiled and Dynamic Services
- Open Standards

Desktop, Enterprise, SaaS & Managed SaaS

Content

- Your data
- ArcGIS Living Atlas
- Content Providers

Reality Mapping

Creating Accurate Digital Representations of the World

Point Cloud

True Ortho

Surface Model

Terrain Model

Multispectral

Thermal

Geospatial Video

Oriented Imagery

3D Mesh

Data courtesy of Aerometrex

Generate Foundational Content

Accurate and Analysis Ready

Monitor Vegetation

Analyze Terrain

Track Progress

Extract Information

Inspect Infrastructure

Build an Intuitive 3D GIS

Create Simulations

Model the Environment

Integrate BIM

Manage Assets

Bring 2D GIS to Life

…Supporting the Creation of Digital Twins Across ArcGIS

Photogrammetry Products

Creating foundational content

2D

- (True) Orthomosaic

2.5D

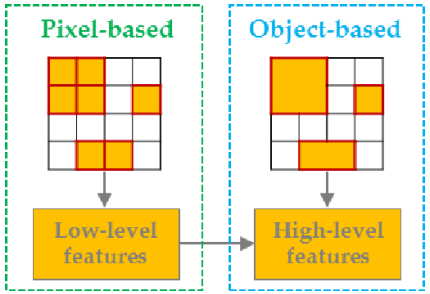
- Digital Terrain Model (DTM)
- Digital Surface Model (DSM)

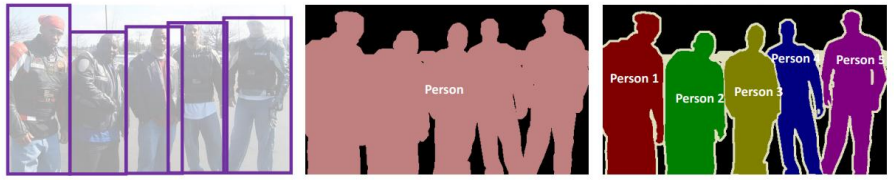
3D

- Point Cloud
- Mesh

2D Products:

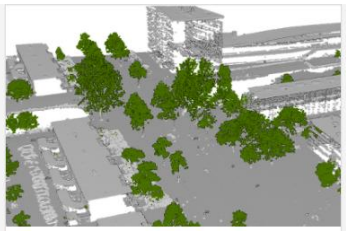
- **What are its uses and/or derivatives?**
  - Feature Extractions
    - pixel-based
    - object-based
    - segmentation



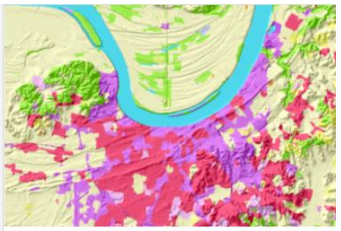


Object Detection | Semantic Segmentation | **Instance Segmentation**

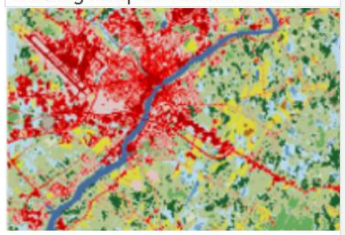
Building Footprint Extraction - USA



Tree Point Classification

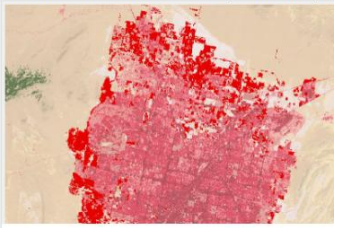


Land Cover Classification (Sentinel-2)



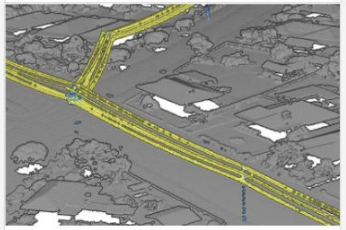
Land Cover Classification (Landsat 8)

Road Extraction - North America

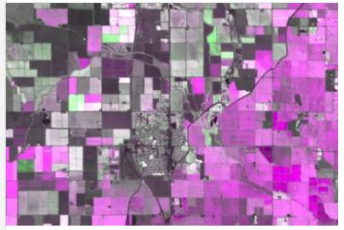


Visualize Urban Sprawl

Windows and Doors Extraction



Power Line Classification



Vegetative Differerence Image

Building Footprint Extraction - Africa

Car Detection - USA

License Plate Blurring

Photogrammetry Products

Creating foundational content

2D

- (True) Orthomosaic

2.5D

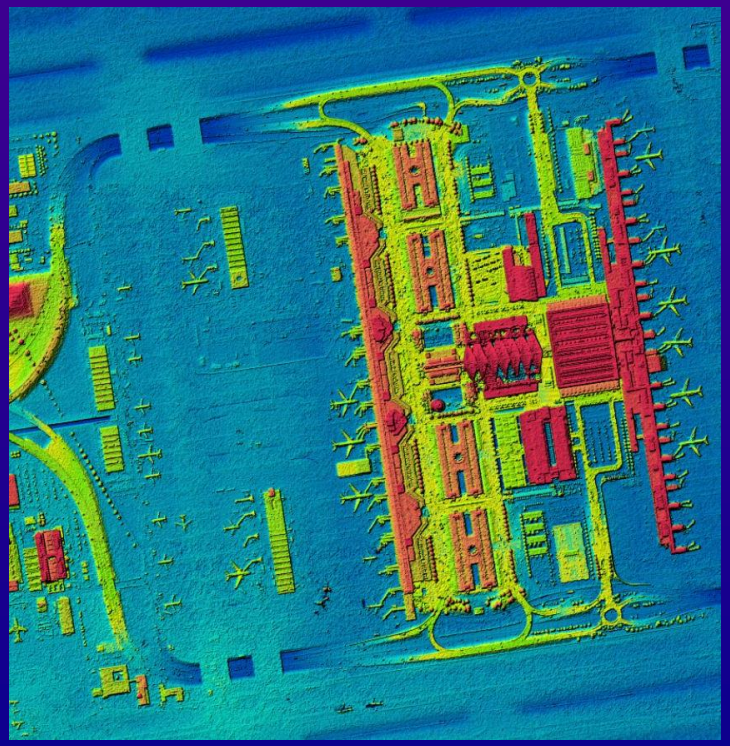
- Digital Terrain Model (DTM)
- Digital Surface Model (DSM)

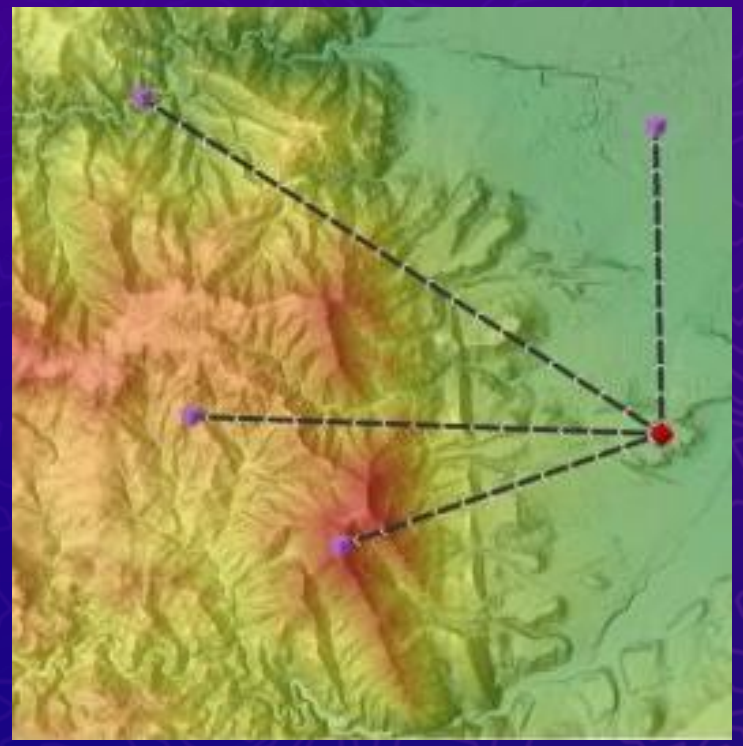
3D

- Point Cloud
- Mesh

2.5D Products:

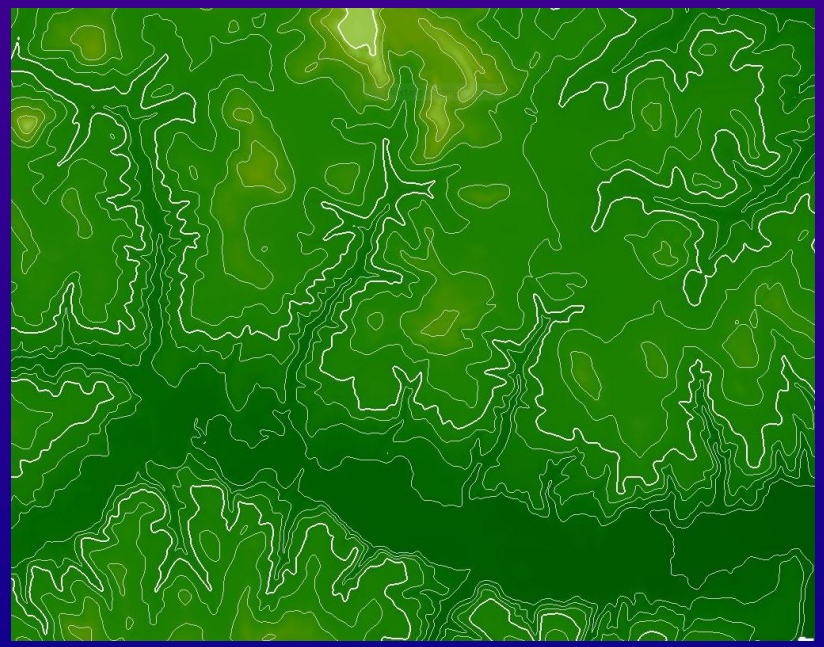
- **What are some uses?**
  - Digital Surface Model (DSM)
    - Can symbolize/colorize, create line of sight, create viewsheds, etc.

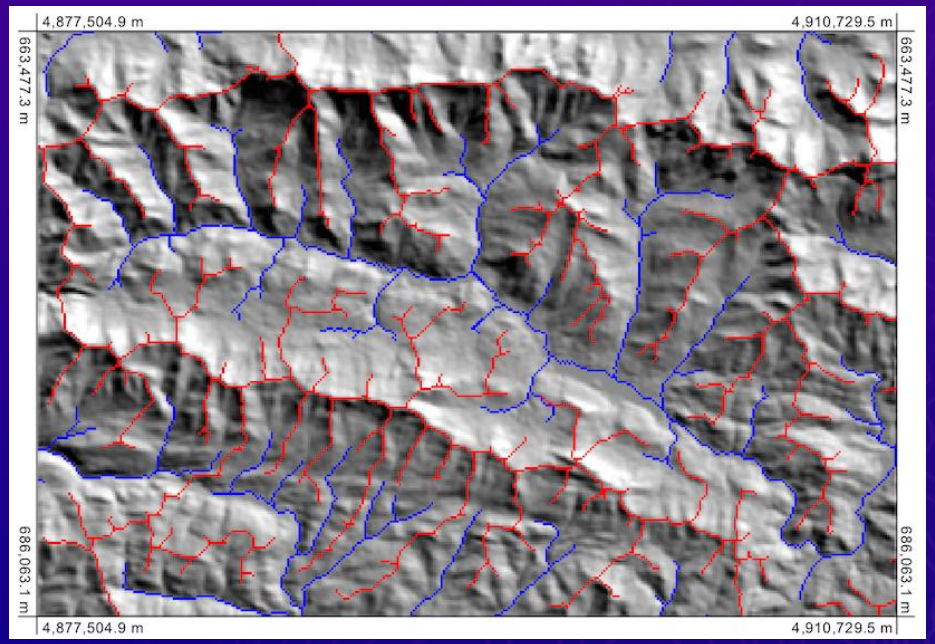


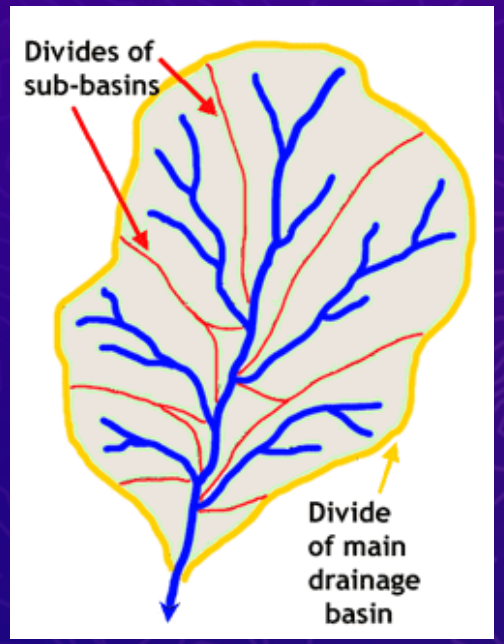


2.5D Products:

- **Why are these products 2.5D?**
  - Digital Terrain Model (DTM)
    - Can be converted into subsequent products:
      - Contour lines, ridge/valley extractions, stream ordering, watersheds, hydrology hierarchies, etc.

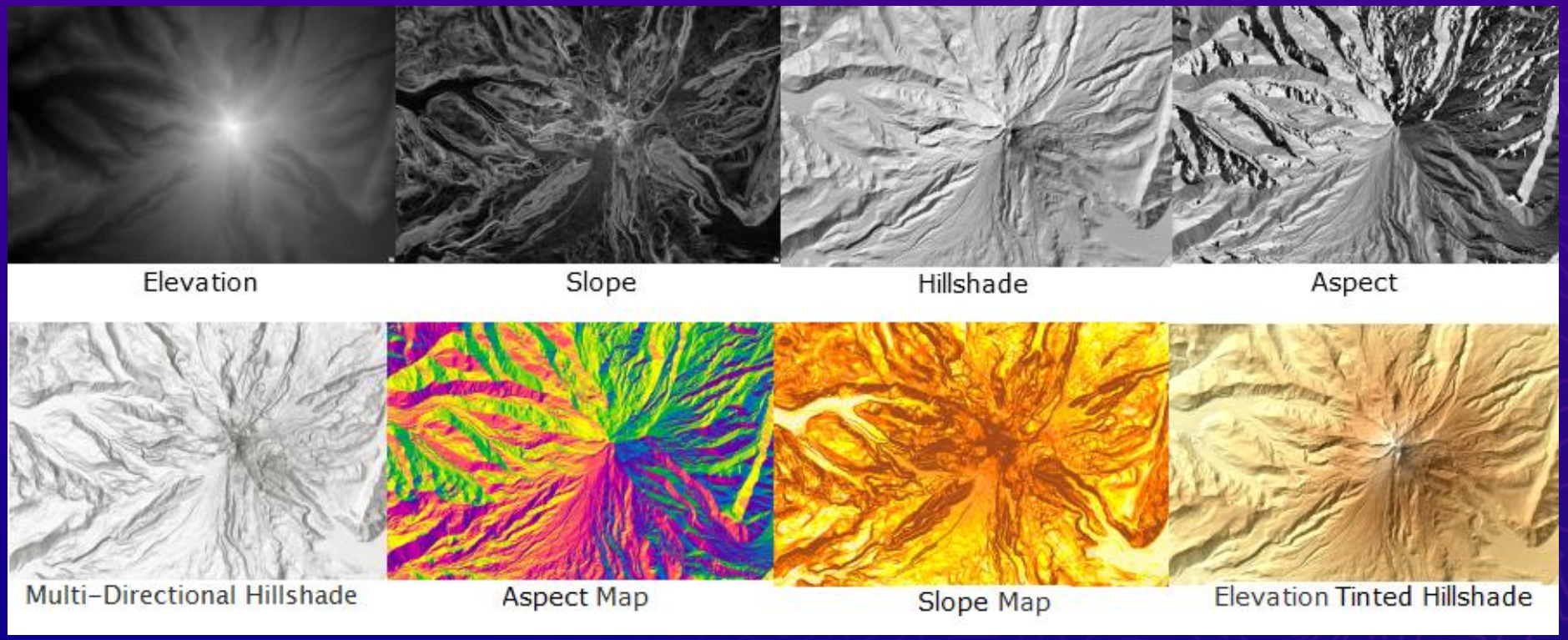






2.5D Products:

- **What are some derivatives?**
  - Digital Terrain Model (DTM)
    - Can be converted into subsequent products:



Photogrammetry Products

Creating foundational content

2D

- (True) Orthomosaic

2.5D

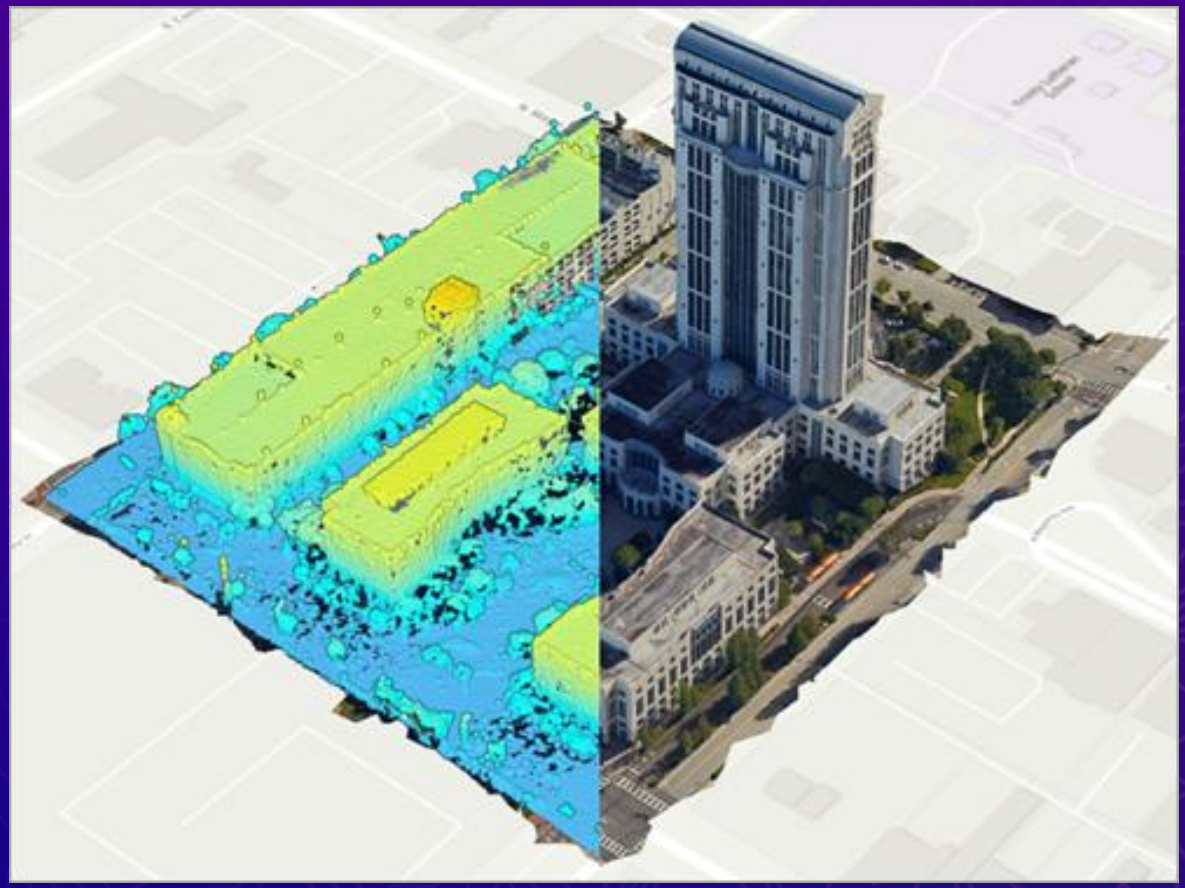
- Digital Terrain Model (DTM)
- Digital Surface Model (DSM)

3D

- Point Cloud
- Mesh

3D Products:

- **What are the two 3D products?**
  - Point Cloud
    - Collection of data points representing real-world object or space with (x,y,z coordinates).
  - Mesh
    - Continuous smooth surface made from vertices that have been refined from the original point clouds.



Imagery

Further Resources

Imagery and Remote Sensing Software Integrated with GIS

Image Analysis & Change Detection | Transform Imagery into Intelligence

Reality Capture & Photogrammetry Software | ArcGIS Reality

Customer Spotlight: GIS @ GTPDD Cemetery Mapping (ArcGIS StoryMap)

April

A Deep Dive Into ArcGIS Pro

Ana Rodriguez | Solution Engineer

Esri San Antonio State and Local Government

Agenda

ArcGIS Pro Tools & Capabilities

Geoprocessing

- Basics
- Geoprocessing Tools
- Copy Tools
- Joining Data

New Capabilities (Demos)

- Detect Objects
- Run Data Checks
- Condition Analysis
- 3D Simulations

What's Coming

- AI Assistants
- 3D Deep Learning

ArcGIS Pro

Further Resources

What's new in ArcGIS Pro - ArcGIS Pro | Documentation

Your ArcGIS Pro Update (ArcGIS Blog)

ArcGIS Pro Basics | Esri Training Web Course

May

ArcGIS for Comprehensive Hurricane Preparedness

User Presentations on Hurricane Operations

- State of North Carolina: Emergency Management (Department of Public Safety)
- Texas Division of Emergency Management (TDEM)
- City of Houston: Public Works | Office of Emergency Management

Top 3 Reasons to Use GIS for Hurricane Preparedness

1. Real-Time Data Integration and Visualization
   - Weather radar and satellite imagery
   - Hurricane tracking models
   - Evacuation routes and traffic condition
2. Risk and Impact Analysis
   - Identify vulnerable populations
   - Map flood zones, storm surge areas, and critical infrastructure
   - Model potential impacts using historical data and predictive analytics
3. Community Engagement and Communication
   - Share interactive maps and preparedness guides with the public
   - Collect crowdsourced data (e.g. damage reports, shelter needs…)
   - Provide multilingual, accessible information to diverse communities

ArcGIS Supports Emergency Management Workflows

ArcGIS Supports Emergency Management Workflows

ArcGIS Supports Emergency Management Workflows

Flood Impact Analysis

Flood Impact Analysis can be used to analyze the impact of flooding on critical infrastructure and share flood impact maps with internal and external stakeholders.

Emergency Debris Management

Emergency Debris Management can be used to expedite initial debris clearance, assess volume, and monitor the removal of disaster debris accumulated on roads, right-of-ways, and public facilities.

Damage Assessment

Damage Assessment can be used to conduct initial damage assessments after a natural disaster or catastrophic incident.

Hazard Mitigation Planning

Hazard Mitigation Planning can be used to conduct geospatial hazard risk assessments and share hazard mitigation planning information.

Emergency Management Operations

Emergency Management Operations can be used to maintain situational awareness and share essential emergency information during an emergency.

Watch Center

Watch Center can be used to streamline all-hazards event monitoring and quickly understand risks to an organization's locations of interest.

EMERGENCY MANAGEMENT LIFECYCLE

RESPONSE

MITIGATION

Exercises

Understand Critical Infrastructure Exposure

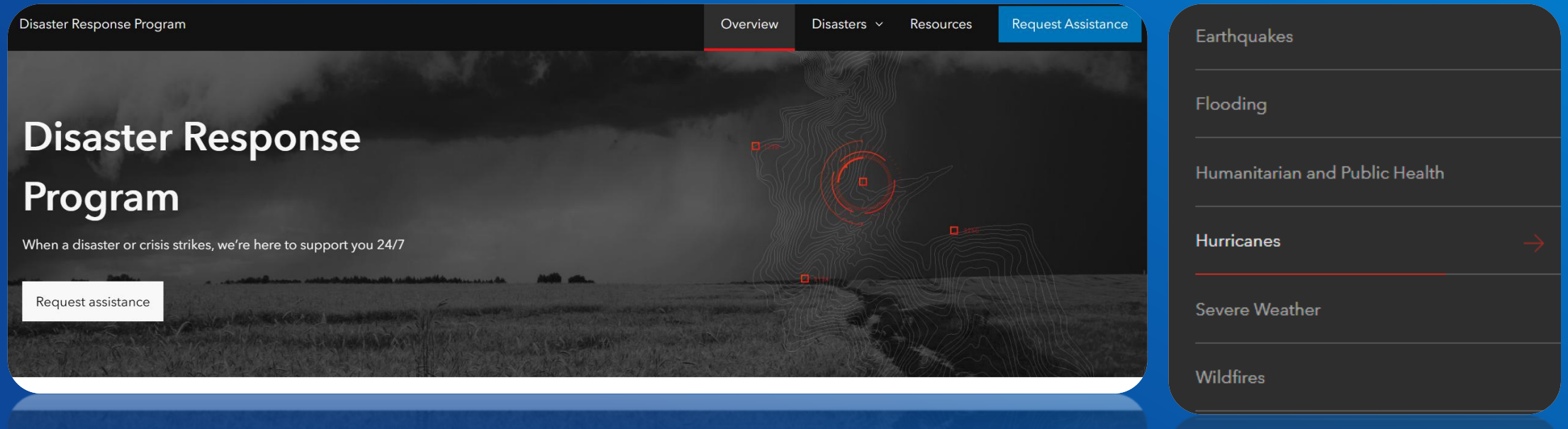
Emergency Management

Further Resources

[GIS in Disaster Management | Emergency Management Operations]

[Emergency Management Operations - ArcGIS Solutions]

[Esri Disaster Response Program | Maps, Software & Support with GIS Technology]



Esri User Conference:
“Integrating Everything, Everywhere!”

June:
Preparing for UC 2025

August:
Recap UC 2025

September

ArcGIS Dashboards in Action

User Presentations on Dashboards in Action

- City of Friendswood, Texas (Trash and Collection Services)
- City of Houston, Texas | Public Works (ArcGIS Dashboards Showcase)
- City of Pearland, Texas (811 Dashboard Integration)

Four step process

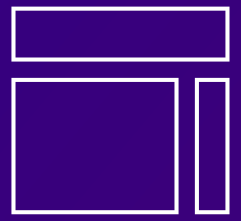
Best Practices

Step 1
Understand

Step 2
Plan

Step 3
Design

Step 4
Build



Common Mistakes

Building ArcGIS Dashboards

Didn’t identify a clear purpose

Best Practices

- Impact:
  - One, overcrowded dashboard
  - Non-optimal visualizations
  - Doesn’t serve any audience well

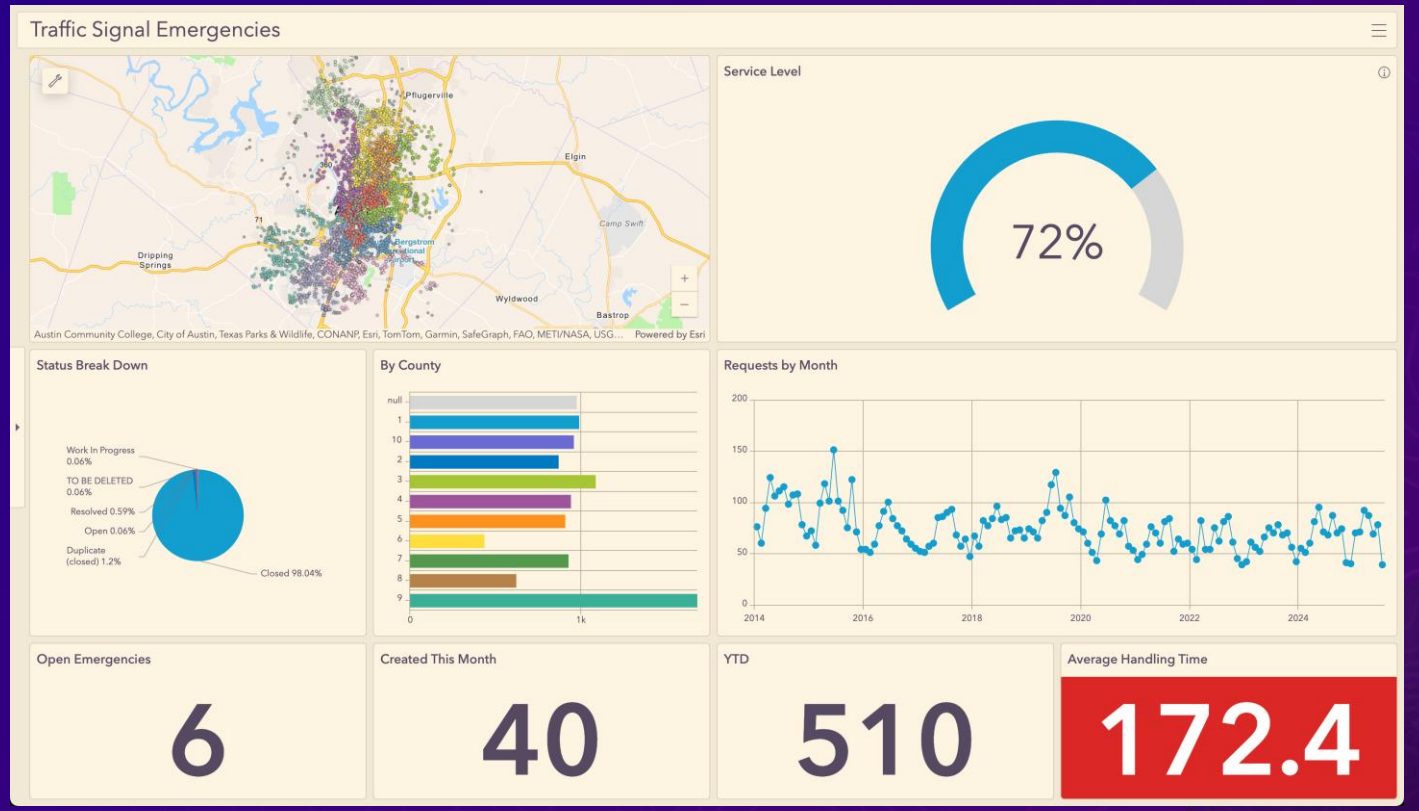
- Solution:
  - Determine audience
  - Identify the purpose and goals (before designing and building)

No visual guidance

Best Practices

- Impact:
  - Color confusion
  - Don’t know what is important
  - Critical insights may be missed

- Solution:
  - Place high priority info at top
  - Reserve color to highlight important situations or insights
  - Group content with clear headers

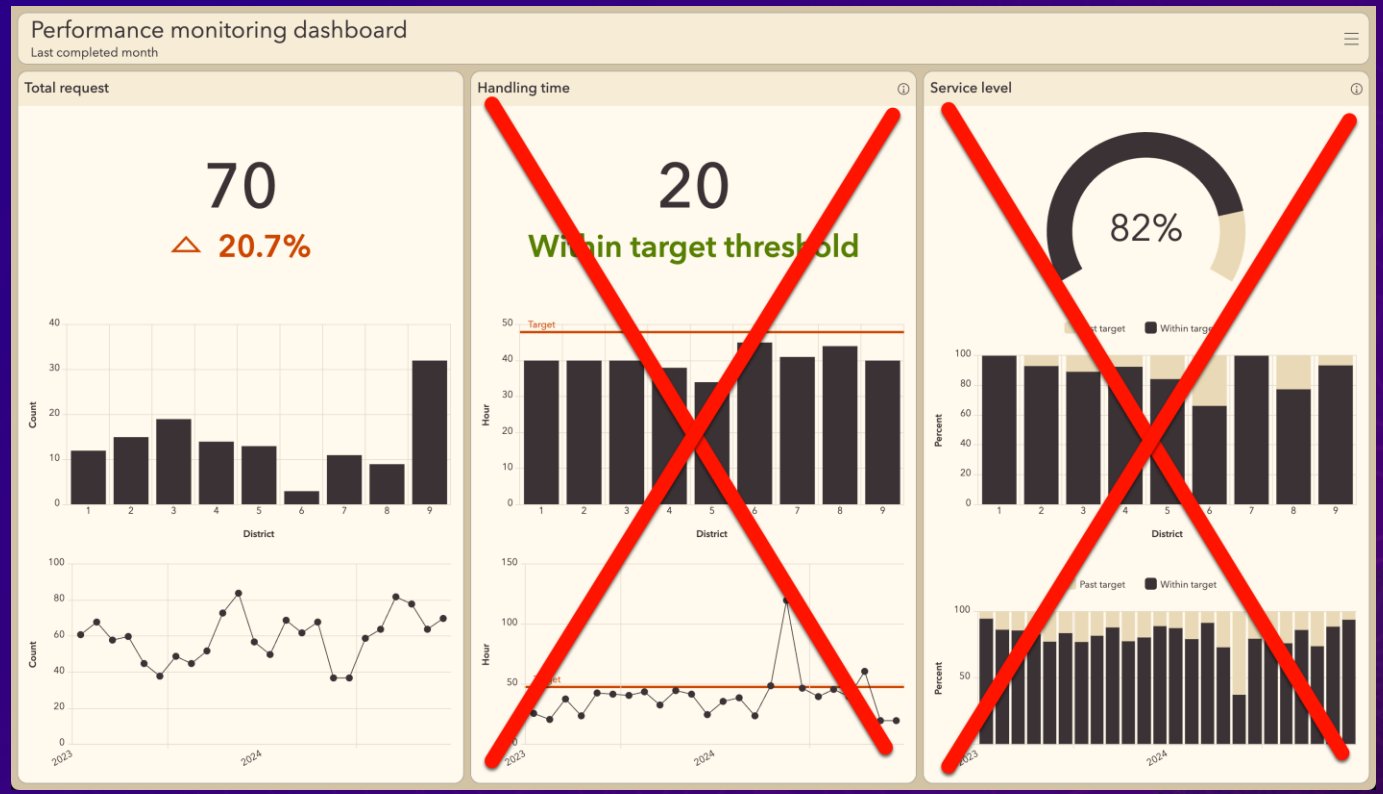


Data not prepared correctly

Best Practices

- Impact:
  - May omit key metrics or visualizations
  - Statistics may be inaccurate or skewed
  - May have to rebuild your dashboard after a schema overhaul

- Solution:
  - Cleaned and validate data before hand
  - Calculated needed fields



Forgot about mobile

Best Practices

- Impact:
  - May be a poor experience on phones
  - Could fail to support decision making at a critical time while away from a desk

- Solution:
  - Ensure you have a mobile view created
  - Display only the most critical metrics – hide or stack secondary content

Dashboards

Further Resources

ArcGIS Dashboards | Data Dashboards: Operational, Strategic, Tactical, Informational

Create your first dashboard using ArcGIS Dashboards

What's new—ArcGIS Dashboards | Documentation

October

Exploring ArcGIS Indoors

We spend 90%

of our time **indoors**.


Indoor mapping starts with
accurate floor plans.

Common Indoor GIS Patterns of Use

Asset Management

Space Management

Safety & Security

Occupant Experience

Asset Management

- Map indoor asset locations
- Tie indoor locations to work order management systems
- Streamline inspections
- Resolve work orders more efficiently

Space Management

- Evaluate space use
- Assign and reserve spaces
- Plan occupant relocations
- Design what-if scenarios
- Enable a hybrid workplace

Safety & Security

- Map people, spaces, & assets
- Mark exits & evacuation routes
- Improve situational awareness
- Create safety & security plans
- Provide maps to first responders

Occupant Experience

- Locate people, spaces, assets, & events
- Get routes & directions indoors
- Report incidents and submit work orders
- Reserve workspaces & meeting rooms
- Enhance indoor location discovery and navigation with indoor positioning

Indoors

Further Resources

Indoor Mapping, Wayfinding & Space Planning Software | ArcGIS Indoors

Esri Digital Twin Technology and Resources

ArcGIS Indoors Webinar Series

November

Immersive Web Apps with ArcGIS Experience Builder

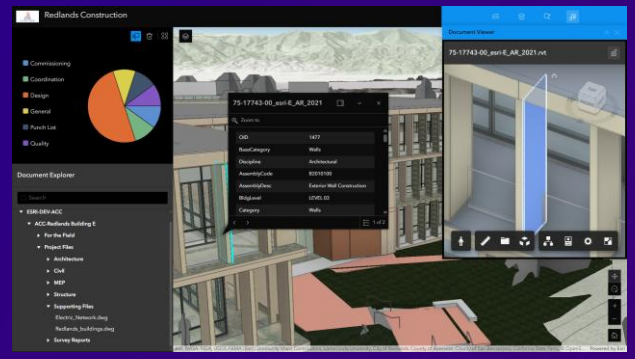
User Presentations on Web Apps

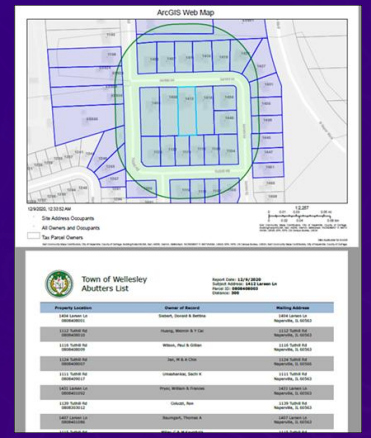
- City of Tulsa, Oklahoma
  - Internal and External Applications, and Future Projects
- City of Lawton, Oklahoma
  - Water Distribution Work Order System
- State of Oklahoma | Emergency Management
  - Public Assistance Payment Tracker

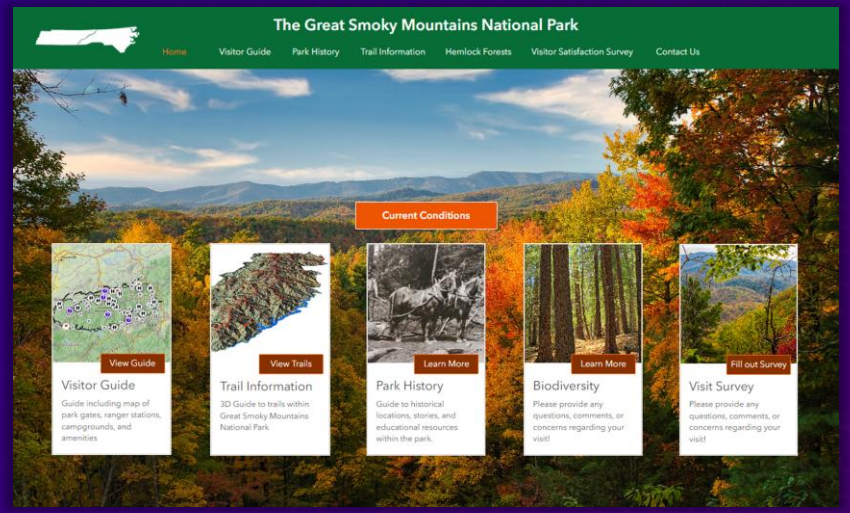
Key Features

ArcGIS Experience Builder

- Flexible design
- Mobile optimization
- Smart widgets
- 2D and 3D in one app
- Express mode & Full mode
- Integration with other ArcGIS apps
- Extensibility



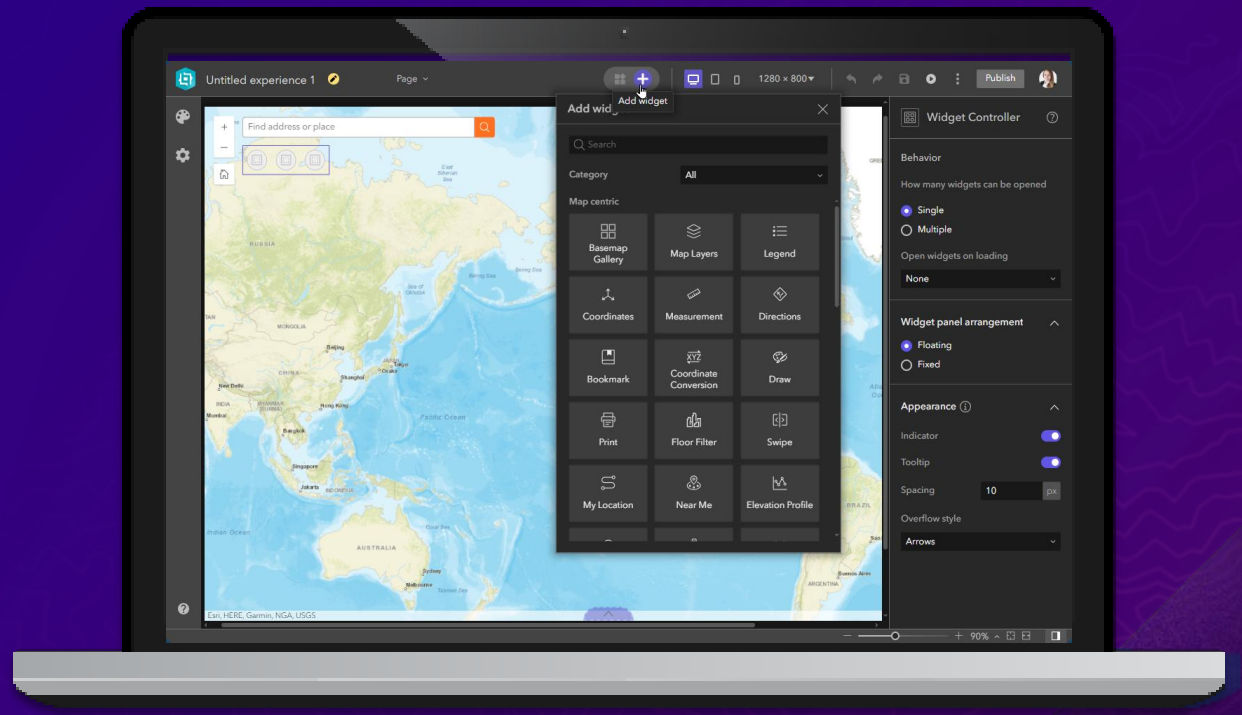




Steps to Migrate

From WAB to Experience Builder

1. Learn about Express mode
2. Identify your essential workflows
3. Outline functionality parity
4. Start with Express mode
5. Enhance in Full mode



Web Apps and Experience Builder

Further Resources

Get started creating apps—ArcGIS Online Help | Documentation

Build Web Apps with No-Code or Low-Code | ArcGIS Experience Builder

Web AppBuilder and Experience Builder functionality matrix | Documentation

December

2025 Recap & What's Ahead in 2026?

Eric Lomeli <elomeli@esri.com>

2025 Recap

Major Themes

- New User Types
- ArcGIS Desktop License Migration
- Small Government Enterprise Agreement (modernized)

User Types

Building Blocks of ArcGIS

Start mapping, analyzing, and managing data

Create and share content and manage organizations

Creator
Essential ArcGIS capabilities

Professional
Advanced editing and data management

Professional Plus
Premier analysis and cartography

Boost Collaboration in ArcGIS

Securely share private content with these user types.

Mobile Worker
Connect the office to the field

Contributor
Collaborate on projects and make simple edits

Viewer
View maps and apps

Expanded and Comprehensive Access to ArcGIS

Early License Migration vs License Migration

- Self-Migration via My Esri (by Primary Maintenance Contact)
- Esri Account Team available to discuss options
- No Action = Next Annual Maintenance Renewal with New (equivalent) User Types

What’s Ahead (2026)?

Major Topics

- License Migration (continues)
- ArcMap retiring: March 1, 2026
- Digital Twins as Living Systems
- Artificial Intelligence and Intelligent Agents
- 2026 Micro-Region Topics (Poll)
  - Hurricane Preparedness
  - ArcGIS Monitor
  - Real-Time Situational Awareness
  - Reality and Digital World
  - School Security
- Survey for User Presentations (Upcoming)