



# GIS DAY 2025

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# GIS Day

What is it?

- An annual event celebrated on the **third Wednesday of November** to promote awareness and understanding of Geographic Information Systems (GIS) technology and its applications.
- First celebrated in **1999** as a grassroots effort to educate the public about geography and GIS.
- Provides a global platform for GIS professionals, students, and enthusiasts to **share projects, demonstrate real-world applications, and inspire collaboration.**



[URL Link](#)

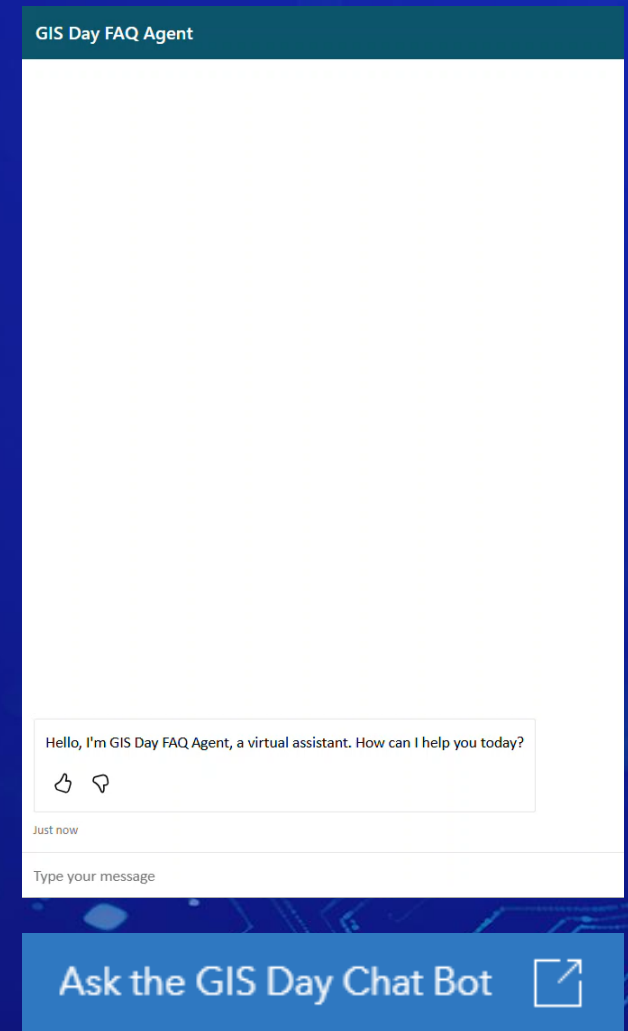
# “Geo-Generalist Era: Where Spatial Meets Everything”

2025 Theme

GIS is a core competency across disciplines

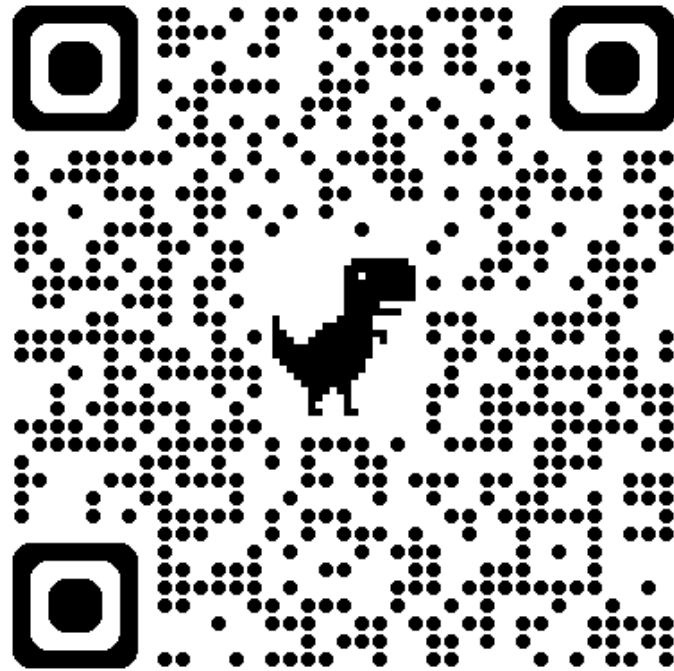
This year's theme highlights the importance of geospatial thinking and the value that GIS provides to all of us

- [What is GIS?](#)
- [Past Recordings](#)





# GIS Day Resources



[URL Link](#)



NEW

# What's New in ArcGIS



# Platform & System Updates



# ArcGIS Online

## What's New Blog



[ArcGIS Blog](#)

| [Announcements](#)

| [ArcGIS Online](#)

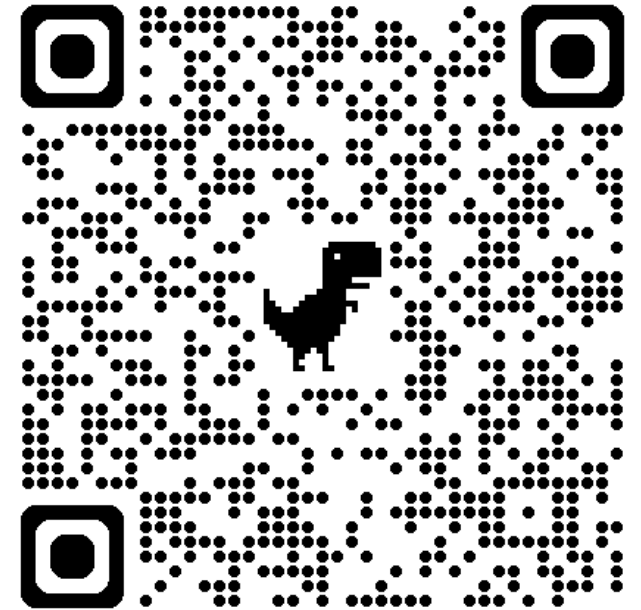
| Oct 22, 2025

## What's new in ArcGIS Online (October 2025)

By [Bern Szukalski](#) and [Jennifer Wrightsell-Hughes](#)

[ArcGIS Online](#) helps you understand the world around you by using interactive maps to connect people, locations, and data. You get smart, data-driven visualizations and intuitive analysis tools that deliver location intelligence. This intelligence can then be easily shared as a map, story, dashboard, or app with your organization or the world. ArcGIS Online can help you scale the reach of the work done in ArcGIS Pro, and also work alongside an ArcGIS Enterprise deployment.

The October 2025 update includes new capabilities in Map Viewer, AI assistants for Arcade, new labeling options, and other improvements and new capabilities. Highlights of these updates, along with other enhancements and new functionality throughout ArcGIS Online, are provided below.



[URL Link](#)



# ArcGIS Online

October 2025 Highlights



## Enhanced Map Viewer Editing

- Advanced editing features include splitting and merging map features, enhanced labeling, and gradient symbology for vector layers.

## Pop-up and Video Embedding

- Expanded pop-up configurations support filtering attachments and enabling pop-ups on raster tiles, plus embedding hosted video layers.

## AI Arcade Assistant

- The beta AI Arcade Assistant allows users to write Arcade expressions using natural language for easier field calculations and smart mapping.

## New Content and Apps

- Updates include a photorealistic 3D basemap, expanded Living Atlas datasets, and Instant Apps enhancements like refreshed Attachment Viewer and Gallery app beta.

# ArcGIS Enterprise

## 11.5 Highlights



### **Transition and Modernization**

- Version 11.5 retires legacy apps and promotes modern tools like Experience Builder and Instant Apps for enhanced user experience.

### **Deep Learning and Living Atlas**

- Integration of deep learning models with Living Atlas content boosts advanced spatial analysis capabilities.

### **Improved System Management**

- Redesigned Enterprise Manager offers better system health monitoring and flexible permission control for administrators.

### **Technical Enhancements**

- New .war files support Tomcat 10.1.x and Kubernetes deployment improvements enhance scalability and security.

# ArcGIS Enterprise

Version 12.0



- ArcGIS Topographic Mapping
  - A server extension that consolidates ArcGIS Production Mapping and ArcGIS Defense Mapping
- Cloud deployment object storage
  - Admins can store the server directories; and alternative to storing in a file share
- Service interceptors
  - An extensibility pattern for developers to inspect and modify existing GIS service requests and responses at runtime
- Notebook templates
  - A collection of ready to use notebooks
- Audit logs
  - Now supported for access operations on map, feature, geoprocessing, and image services



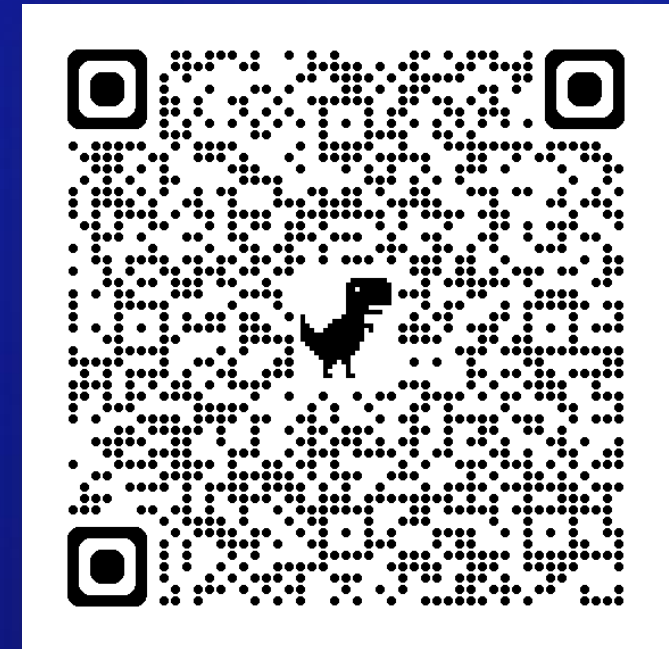
# ArcGIS Enterprise 12.0

November 2025



- Considerations for 11.5 before 12.x

Source version	Latest target version supported for direct upgrade
11.0 - 11.5	12.0
10.8 - 10.9.1	11.5
10.7 - 10.7.1	11.3
10.5 - 10.6.1	10.9.1



[URL Link](#)



# ArcGIS Enterprise

## Product Lifecycle

- 11.5 and earlier

	General Availability	Extended Support	Mature	Retirement
Long-term support (LTS)	2 years	2 years	2 years	After 6 years
Short-term support (STS)	1.5 years	-	1.5 years	After 3 years

- 12.0 and forward

	General Availability	Extended Support	Mature	Retirement
Long-term support (LTS)	Until next LTS release	3 years	-	After approximately 4 years
Short-term support (STS)	Until next release	6 months	-	After approximately 1 year

[URL Link](#)



# ArcGIS Monitor

2025.1

- Publicly available November 18<sup>th</sup>
- No new license required if upgrading from 2025.0
- Supports web adaptor 12.0
- Light database schema changes
  - \*Recommend to backup database before upgrading
- Two new key features
  - Component Relationship Graphing
  - Custom Database Query Monitoring



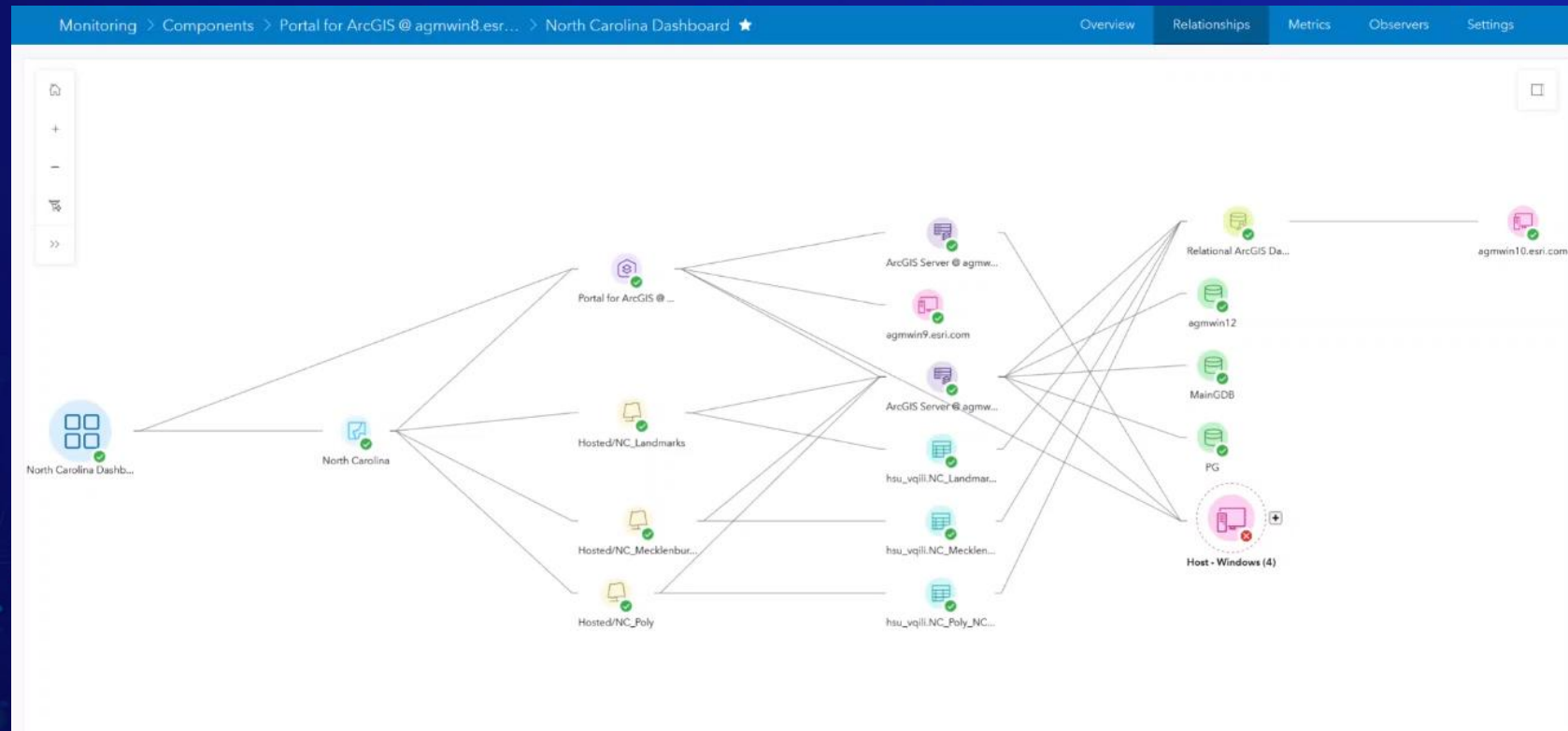
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# ArcGIS Monitor

2025.1

- Example: Component Relationship Graphing
  - A way to see how monitored components relate to one another in an ArcGIS Enterprise deployment



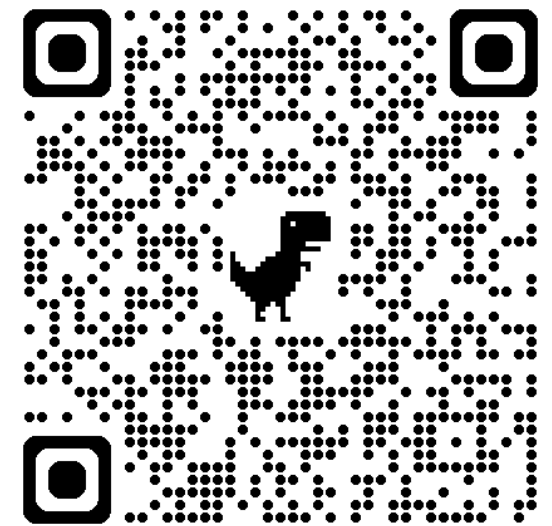
# Software Updates

The background of the image is a dark, blue-toned aerial view of a city at night. Numerous skyscrapers are visible, with some having lights on. Overlaid on this cityscape is a complex network of thin, glowing lines in shades of blue and purple. These lines connect various points, some of which are marked with small, bright dots, creating a sense of digital connectivity and data flow. The overall aesthetic is high-tech and modern.





# What's New In ArcGIS Pro 3.6



[URL Link](#)



# ArcGIS Pro

## 3.6 Enhancements



### **AI Training Sample Refinement**

- Review Training Samples UX enhances AI model accuracy by allowing users to refine training samples effectively.

### **Hyperspectral Signature Viewer**

- Allows extraction and comparison of spectral signatures to improve classification and change detection reliability.

### **Guided Workflows for Imagery**

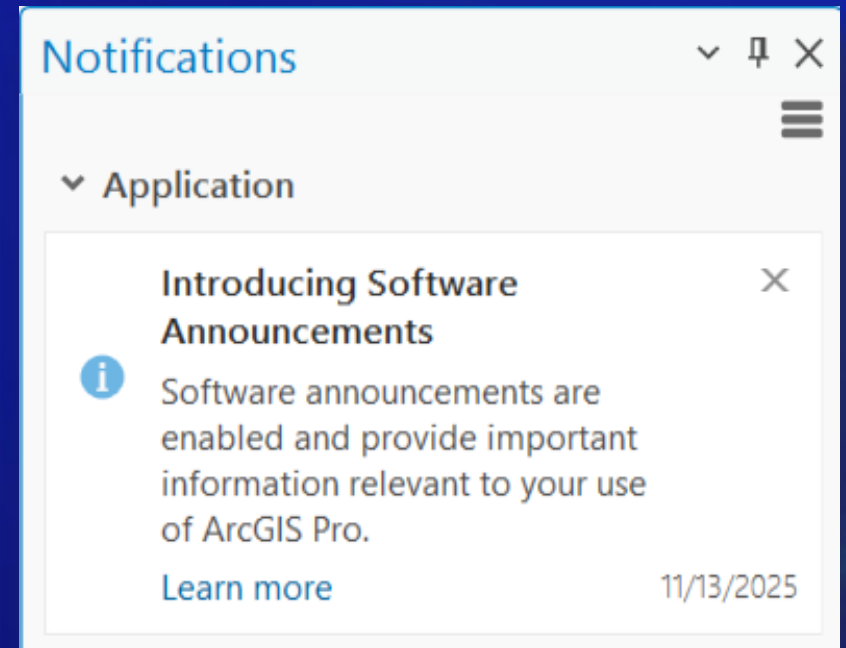
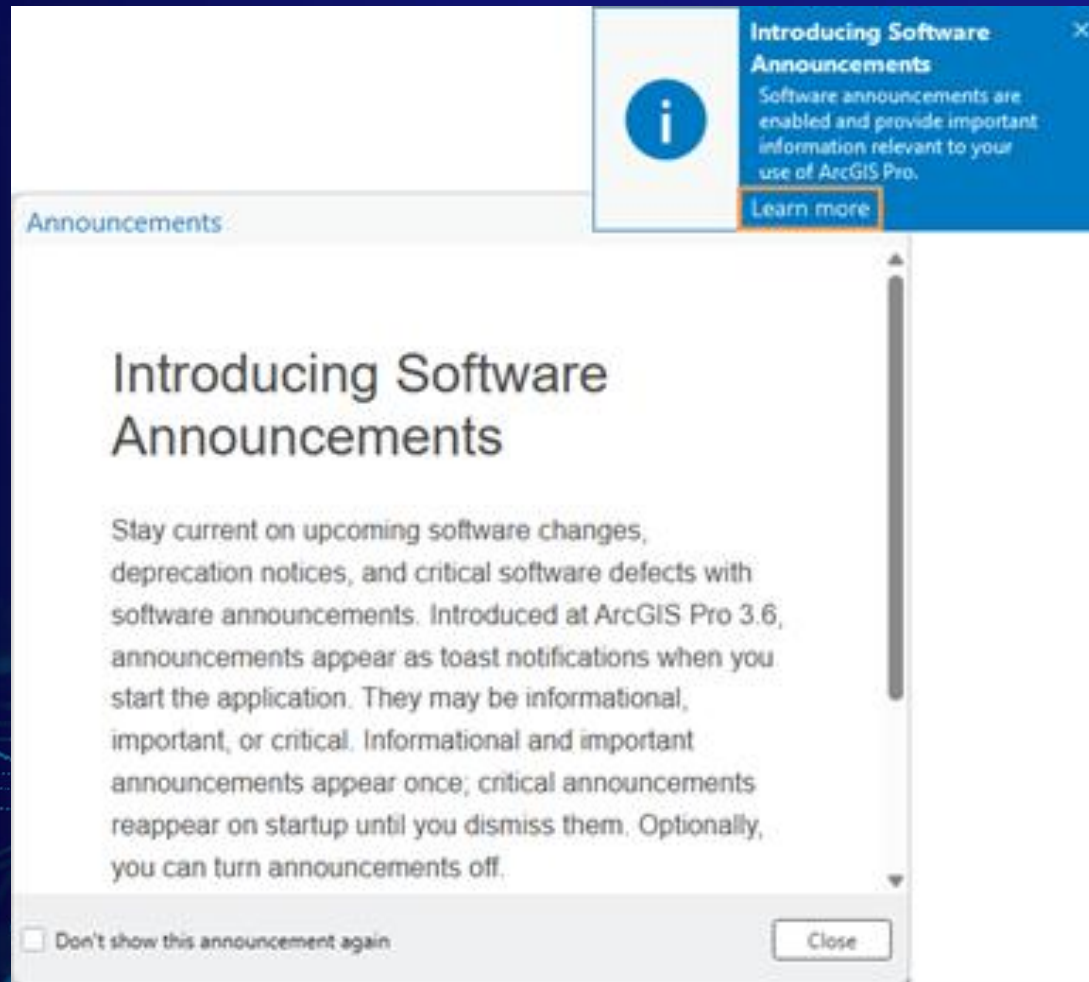
- Simplifies complex SAR and hyperspectral imagery analysis through guided workflows, enhancing user efficiency.

### **Cartographic and Field Usability Enhancements**

- Improvements include single time zone map settings, legend layer context menus, geodatabase schema comparison, and lidar/video support for disconnected environments.

# ArcGIS Pro

## Notifications



### Application

#### Introducing Software Announcements X

i Software announcements are enabled and provide important information relevant to your use of ArcGIS Pro.

[Learn more](#)

11/13/2025

# Product Updates

The background of the slide is a dark, blue-toned aerial view of a city at night. Numerous skyscrapers are visible, with some lights glowing from their windows. Overlaid on this cityscape is a complex network of thin, glowing lines in shades of blue and purple. These lines connect various points, some of which are marked with small, bright dots, creating a sense of digital connectivity and data flow. The overall aesthetic is high-tech and modern.



# Business Analyst

## Web App



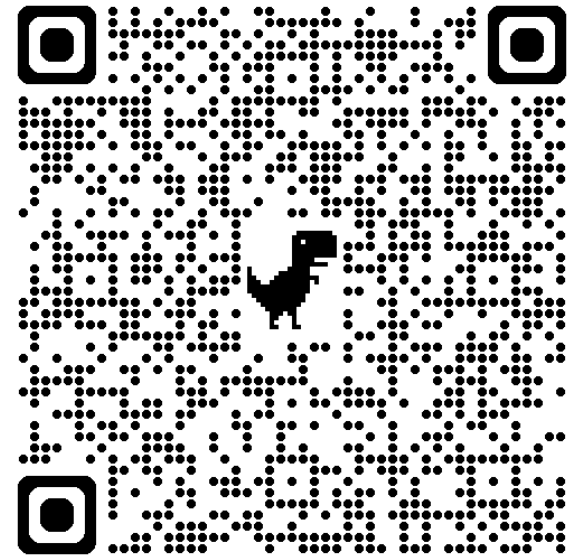
[ArcGIS Blog](#) | [Announcements](#) | [ArcGIS Business Analyst](#) | Oct 22, 2025

## What's new in ArcGIS Business Analyst Web App October 2025

By [Lauryn Carey](#)

The [ArcGIS Business Analyst Web App](#) team is excited to announce the latest software update for October 2025. This release adds new functionality to analyze nearby locations, delivers highly requested improvements to credit estimation, and provides a wealth of content updates with new data to support your analysis.

[ArcGIS Business Analyst](#) is Esri's location-based market intelligence application designed to help you make smarter decisions for market planning, site selection, and customer segmentation. As of June 2025, any ArcGIS Online user with a [Creator user type](#) or above has access to [ArcGIS Business Analyst Web App](#) Standard included with their license and can launch the app from the app-switcher to get started with ArcGIS Business Analyst.



[URL Link](#)



# ArcGIS Business Analyst



## **Web App Enhancements**

- Nearby Analysis Workflow enables proximity assessment with metrics like location counts and density.

## **Credit Estimation and Benchmarks**

- In-app credit estimation helps calculate usage; custom benchmarks enable tailored comparisons.

## **Pro Extension Improvements**

- Add Business Analyst Data Utility streamlines dataset creation; floating windows improve multitasking.

## **Benchmark Comparison Methods**

- New Quantiles and Highlight Extremes methods align Web and Pro platform functionalities.



[ArcGIS Blog](#)

| [Announcements](#)

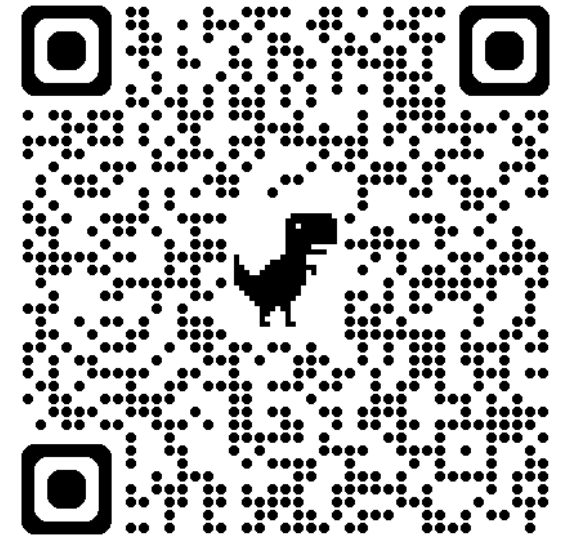
| [ArcGIS Hub](#)

| Oct 31, 2025

## What's New in ArcGIS Hub (October 2025)

By [Jill Saligoe-Simmel](#) and Andrew Turner

ArcGIS Hub revolutionizes how people work together geographically, making it easier for you to share trusted and curated content, collaborate, and engage with your community of practice. Hub continues to evolve. Keep reading to learn more about recently added features.



[URL Link](#)



# StoryMaps

October & November 2025 Updates

- **Frames (Beta)**
  - Mobile-first storytelling
  - New short-form storytelling format optimized for mobile
- **Infographics & Data Visualization**
  - Infographics block now supports side-by-side layouts
  - Simplifies complex data by combining visuals and text
- **360° Images & VR Experiences**
  - Add immersive 360 degree images to stories
- **Writing Assistant Upgrades**
  - Enhanced AI-driven text refinement: summarize, adjust tone, and insert edits
- **Briefings & Layout Improvements**





# StoryMaps

October & November 2025 Updates

- **Writing Assistant Upgrades**
  - Enhanced AI-driven text refinement: summarize, adjust tone, and insert edits
  - Previous edits now visible for better transparency and control
- **Briefings & Layout Improvements**
  - Flexible slide layout with up to two rows and three columns of media
  - New text size options for better readability in stories and briefings
- **Accessibility & Multilingual Support**
  - Add transcripts to audio/video for improved accessibility
- **Mapping and Tour Enhancement**
  - Categorized tour panel shows category counts and warns on limits
  - Improved express map drawing engine and customizable chart colors

An aerial night view of a city skyline, likely New York City, with the Empire State Building prominently visible. The image is overlaid with a complex network of glowing blue and purple lines, representing data connections or digital infrastructure. The lines are most concentrated around the buildings and radiate outwards, creating a sense of a highly connected urban environment.

# AI / GeoAI




# GIS is Being Enhanced with AI

Delivering Transformational Value





# Our AI Vision



Accelerate intelligent decision-making, assist  
in providing actionable recommendations,  
create effective information products...  
improve user productivity and efficiency,  
deliver meaningful and relevant  
geospatial insights derived from data.

... Empowering You with Deeper Intelligence,  
and Enabling Automation for Scale

# ArcGIS AI Assistants | Release Plan\*



\* Tentative release plan. Subject to change.

# AI Assistants

Fall 2025



## AI Assistants Across Products

Multiple AI Assistants provide natural language support for tasks like expression writing, report generation, and data search.



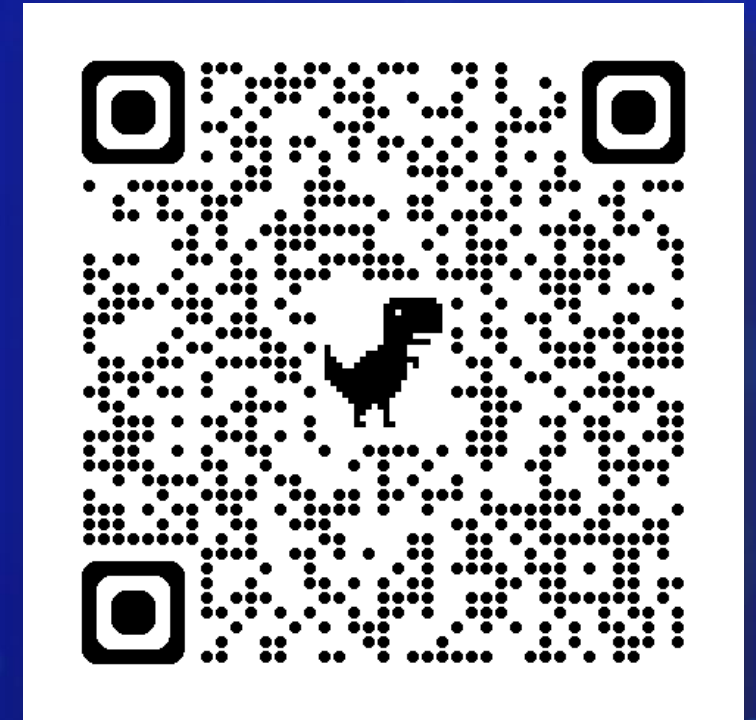
## GeoAI Deep Learning Integration

Advanced deep learning models enhance imagery analysis and automate complex spatial data interpretation within GeoAI.



## Conversational Data Exploration

New AI-powered Instant App enables users to explore and query data conversationally, improving accessibility and insight.



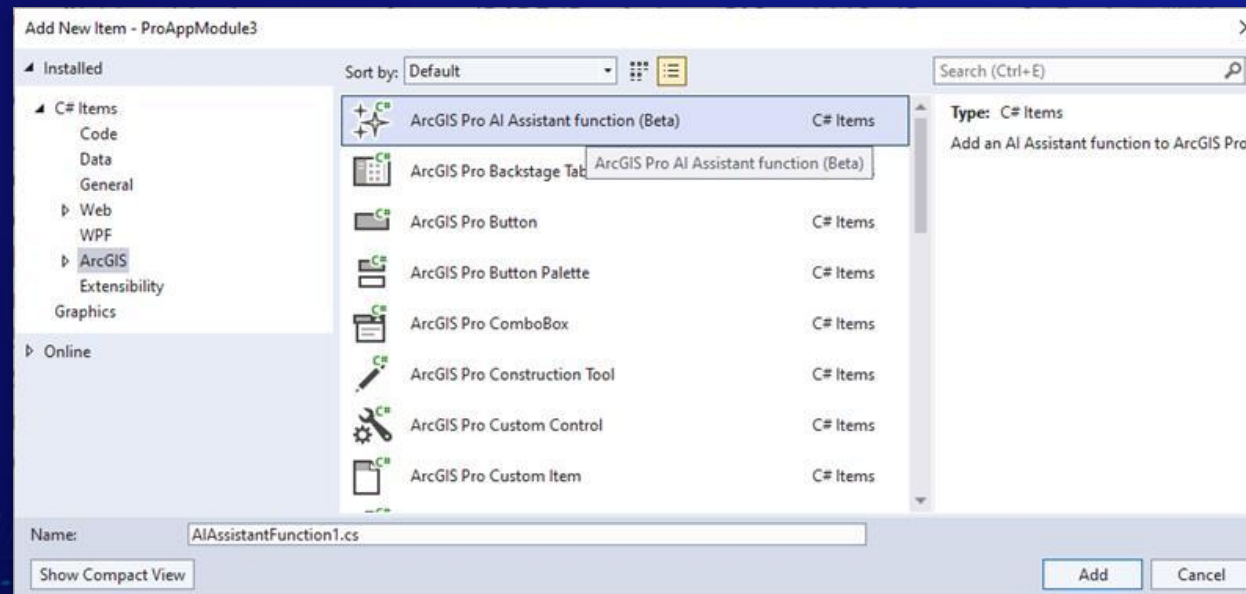
[URL Link](#)



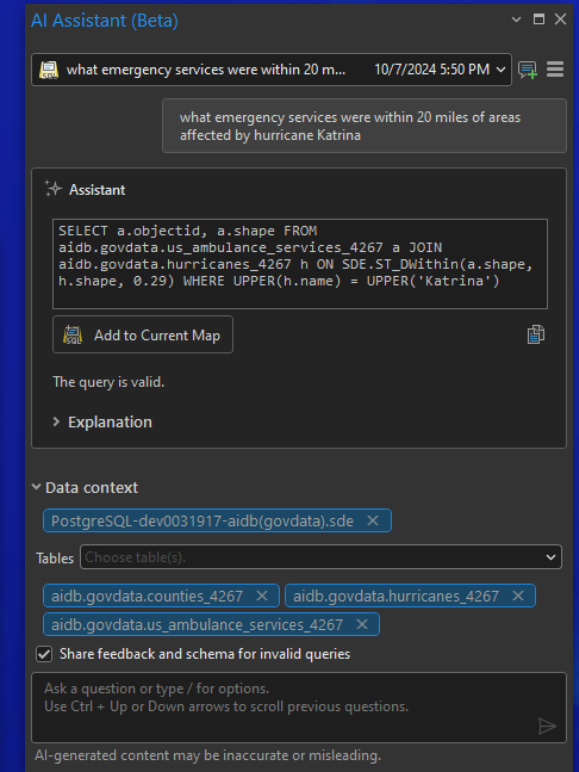
# ArcGIS Pro Assistant Extensibility

## Custom AI Function Template - 3.5 Beta

- Write (.NET) and register custom AI functions with the Pro AI assistant
- Registered skills are used by the AI assistant to execute user requests
- SDK resources – Samples, Snippets, ProGuides



AI Function Template



ArcGIS Pro Assistant

# Survey123 Assistant (Preview)

## Streamline Survey Creation

- Quickly draft survey designs through a conversational experience
  - *“Create a fire hydrant inspection form”*
  - *“Create a survey for residents to report property damage”*
  - *“Create a survey to gather feedback after a town meeting”*
- Translate surveys into other languages

The image displays the Survey123 Assistant interface, which is a conversational tool for creating surveys. The main window shows a draft of a "Fire Hydrant Inspection Form". The form includes sections for "Hydrant Location", "Hydrant Identification", "Hydrant Condition", and "Photo Documentation". The "Hydrant Location" section prompts the user to specify the location using one of the following methods: Address, OR, or Map. The "Hydrant Identification" section prompts the user to enter the Hydrant ID Number. The "Hydrant Condition" section prompts the user to indicate if the hydrant is visibly damaged and to describe the damage if yes. The "Photo Documentation" section prompts the user to capture or upload photos. A mobile device is shown in the foreground, displaying the same form, illustrating how the survey can be used in the field.

create a fire hydrant inspection form

Certainly! Here's a carefully crafted fire hydrant inspection form designed for easy use and comprehensive data collection:

**Fire Hydrant Inspection Form**

Thank you for taking the time to inspect the fire hydrant. Your observations are crucial for maintaining safety in our community.

**Hydrant Location**

Please specify the location using one of the following methods:

- **Address:** (Enter the exact address where the hydrant is located. An autocomplete feature will assist you in finding the precise address.)
- OR
- **Map:** (If the exact address is unknown, please click on the map to pinpoint the hydrant's location.)

**Hydrant Identification**

- **Hydrant ID Number:** (Enter the identification number visible on the hydrant.)

**Hydrant Condition**

- Is the hydrant visibly damaged?
  - ☐ Yes
  - ☐ No
- If yes, describe the damage: \_\_\_\_\_

**Photo Documentation**

Please capture or upload photos for the following:

Send a message

6:38 PM

Chris

**Fire Hydrant Inspection Form**

**Hydrant Location (Address)\***

**Hydrant Location (Map)\***

Find address or place

Lat:  Lon:

**Hydrant ID Number\***

**Is the hydrant visibly damaged?\***

☐ Yes ☐ No

# Survey123 AI Analysis Tools (Beta)

Accelerate Data Collection with AI-Powered Calculations

- AI-powered form calculations
  - Extract information from images
    - *“Get license plate from vehicle photo”*
    - *“Describe condition of asset as ‘Damaged’ or ‘OK’”*
    - . . . .
  - Analyze text
    - *“Summarize user’s comments in less than 20 words”*
    - *“Analyze sentiment of text as ‘Positive’ or ‘Negative’”*
    - . . . .
  - Transcribe audio

Survey on Signage Purpose and Condition in Yorkshire, UK

Thank you for participating in our survey regarding the purpose and condition of signs in Yorkshire. Your insights are valuable in helping us improve signage across the region.

Please upload a photo or take a photo of the sign to help us understand its purpose and current condition

Drop image here or select in gallery

What is the main purpose of the sign?

Edit calculation: What is the main purpose of the sign?

Extract data | Number | String

Source:  
☒ Question ☐ Survey  
☐ Layer

Extract property from question [Clear](#)  
Please upload a photo or take a photo of the ...  
Ask the assistant

What would you like to extract from the image?

Please describe what type of sign this is in the UK. Use official the code defined under the Traffic Signs Regulations and General Directions (TSRGD) 2016. if not a UK sign please return - Not recognised



# StoryMaps Assistant (Beta)

A Companion for Better Storytelling

- Make your stories more accessible
- Learn about your own story gist, tone and estimated reading time
- Refine the style and tone of your writing
- Ask the assistant to suggest a theme . . .

The screenshot displays the StoryMaps Assistant (Beta) interface, which is divided into several functional panels:

- Choose a starting point:** This panel offers three options: "Theme Assistant" (which generates a theme based on a prompt), "Shared theme" (which uses an organization's logo and colors), and "Summit" (which uses a neutral color with orange text). Below these are "Cherry blossom", "Summit", and "Obsidian" themes.
- This is your story's title:** A panel for previewing the story with a custom theme. It includes a sample story titled "This is your story's title" and a "Generate Theme" button.
- About this story:** A panel providing metadata for the story, including "Gist", "Tone", "Word count", "Readability level", "Languages detected", "Keywords", and "Places".
- Writing assistant (Beta):** A panel for refining the story. It includes buttons for "Rephrase", "Summarize", "Change tone", and "Fix grammar". It also features a "Rephrase" button and a "Suggested by AI" section.
- Image options:** A panel for selecting an image for the story. It includes a "Display" button, a "Properties" button, and an "Accessibility" button. It also features a "Rephrase" button and a "Suggested by AI" section.

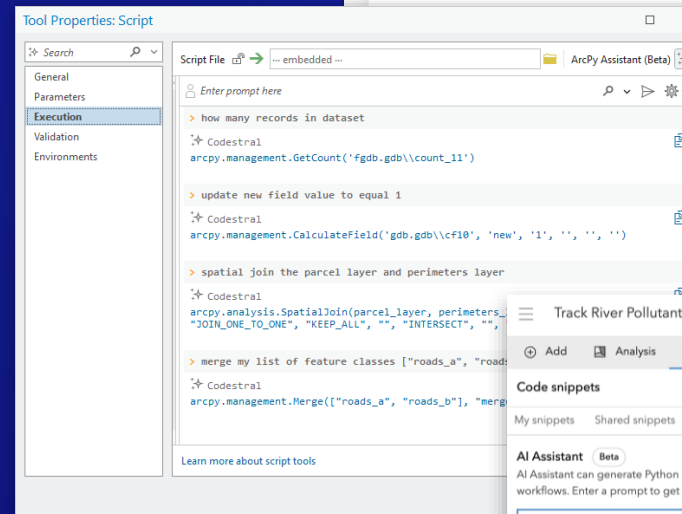
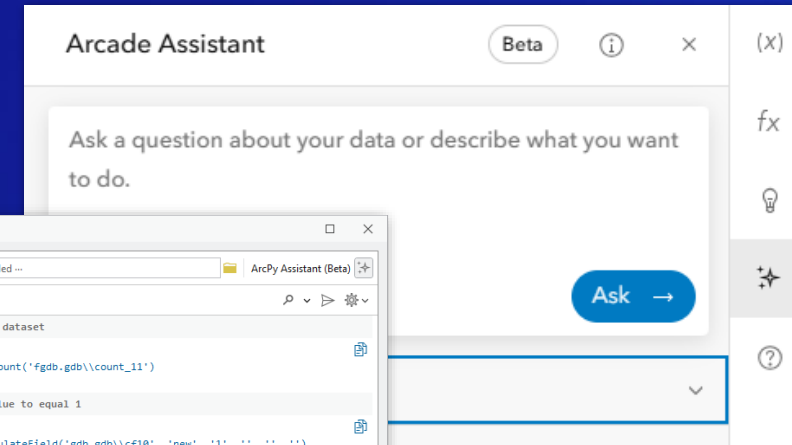
The interface is designed to be user-friendly and accessible, with a clear layout and intuitive controls. The "Writing assistant" panel is currently active, showing a sample story and a "Rephrase" button. The "Image options" panel is also visible, showing a sample image and a "Rephrase" button. The "About this story" panel provides a comprehensive overview of the story's metadata.

# ArcGIS Coding Assistants (Beta)

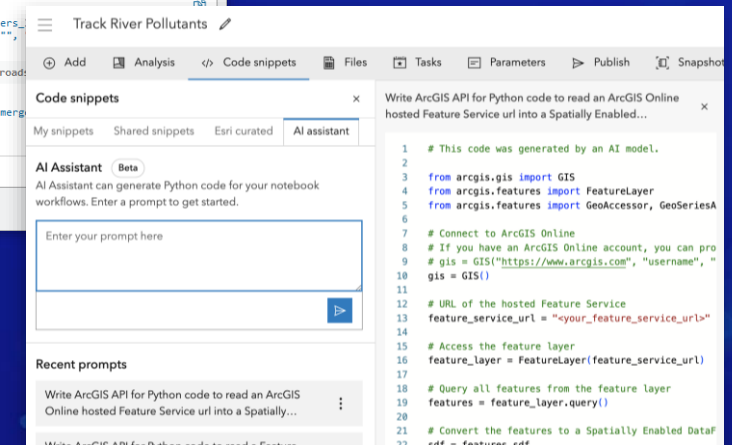
State-of-the-Art Code Generation Where You Need It

- Arcade, Python / ArcPy
- Integrated UX
  - Pro
  - Notebooks
  - Map Viewer...
- Fine-tuned AI models with unparalleled accuracy
- Available for beta testing:
  - Q2 2025 : Arcade (Map Viewer)
  - Q3 2025: Python (Notebooks) and ArcPy (Pro)

Arcade Assistant (Map Viewer)



ArcPy Assistant in Pro




Python Assistant in Notebooks

# GeoAI Training

Esri Academy

LEARNING PLAN

## GeoAI Essentials

 Added by Esri on August 27, 2024

17 Courses



Instructor-Led

Coming Soon

## GeoAI in ArcGIS: Advance Your Analytics

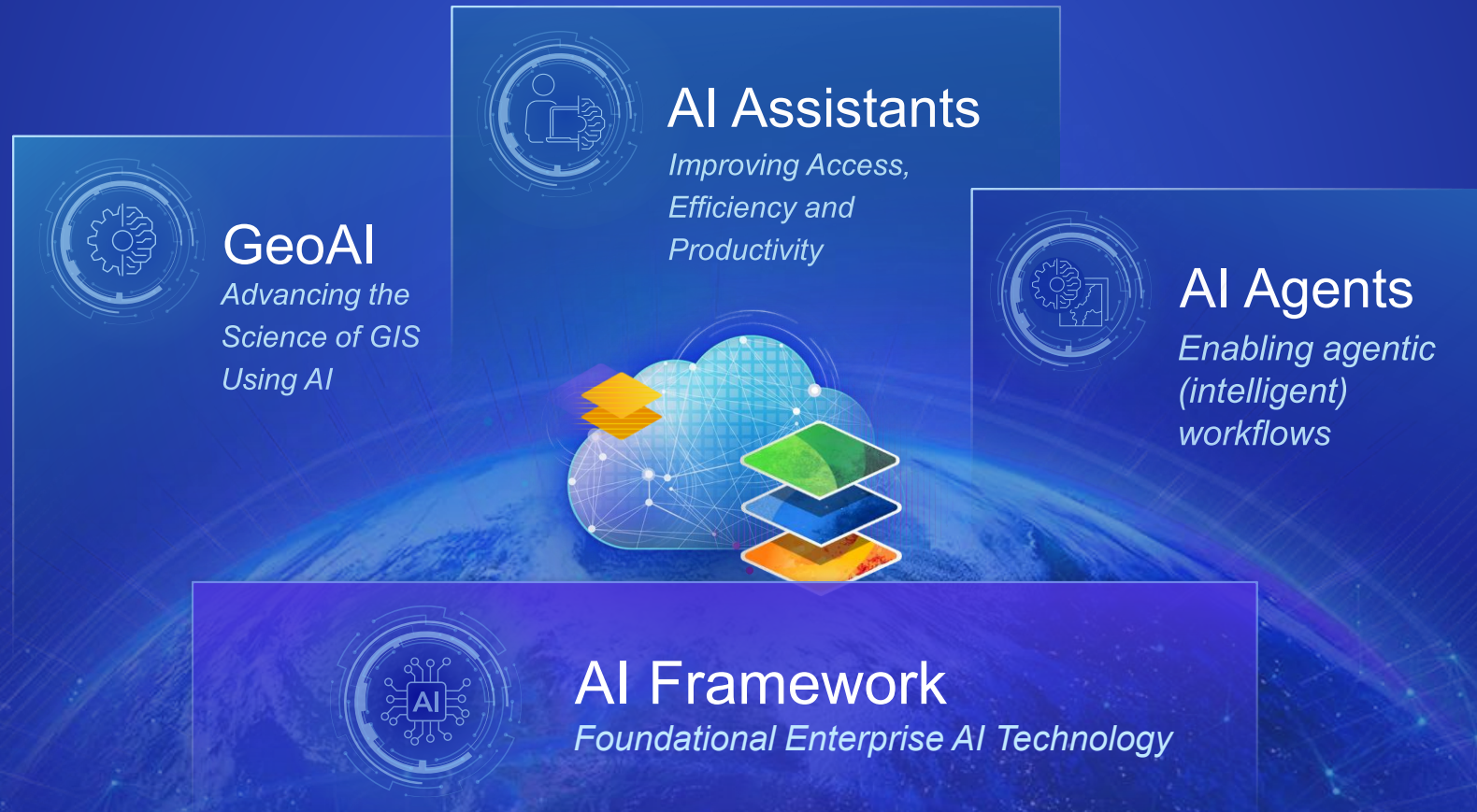
Contact Us



2 Days (16 Hours)



# ArcGIS Is Becoming a Geospatial AI Platform



# Tasks in Field Maps

The background of the slide is a dark, blue-tinted aerial photograph of a city skyline at night. The city lights are visible, and the image is overlaid with a complex network of glowing lines and dots in shades of blue, purple, and pink. These lines represent data connections or network paths, creating a futuristic, digital atmosphere. The text 'Tasks in Field Maps' is centered in the upper half of the image in a white, sans-serif font.

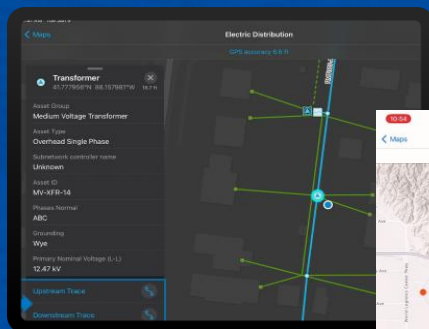


# ArcGIS

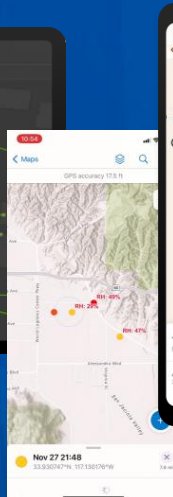
Supports Teams in the Field

Situational Awareness

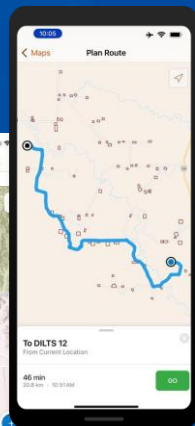
Synchronizing  
Office & Field Activities



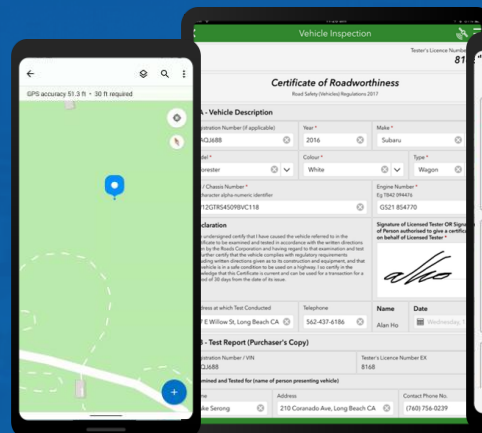
Field Maps



Navigator

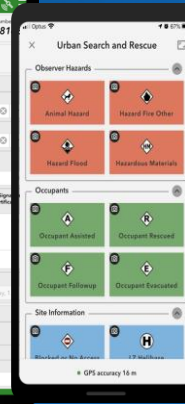


Mobile Data Collection  
Enterprise Data Access



Field Maps

Survey123



QuickCapture



New & Improved

- Task Coordination
- Edit And Trace The Utility Network
- AI Assistants
- Templates & Offline Readiness Assessments
- Improved User Experience
- ArcGIS Connector For Microsoft

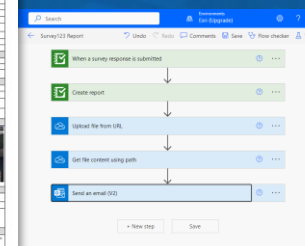
Plan, Optimize  
& Coordinate



Connected &  
Disconnected



Integration



... Integrating Mobile Workflows  
Enhancing the Operational Picture. ...



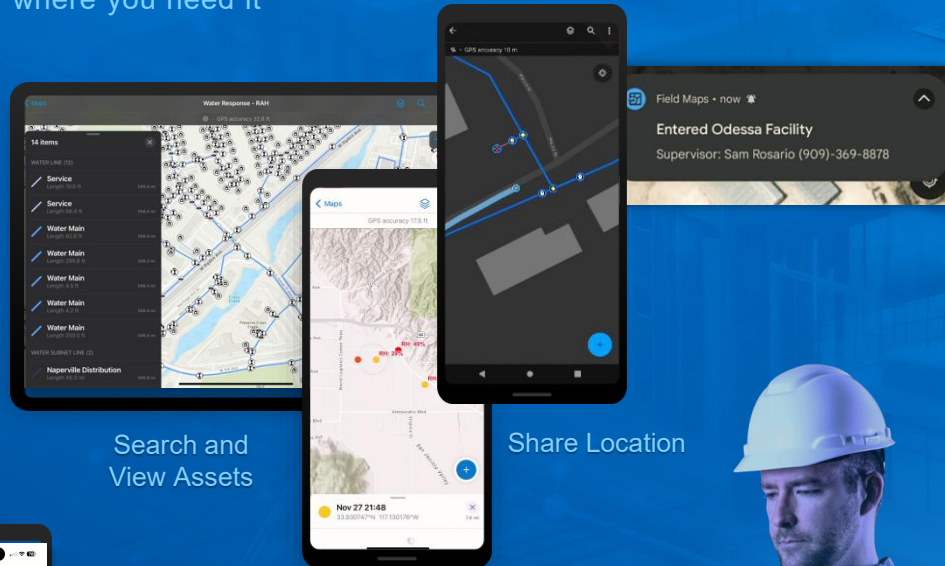
# ArcGIS Field Maps

A comprehensive mobile GIS solution for field teams

- Easy to Use
- Connected and Offline
- Streamlined Data Collection
- Data Informed Decisions
- Flexible Configuration
- Scalable Deployment
- Integrate with business systems

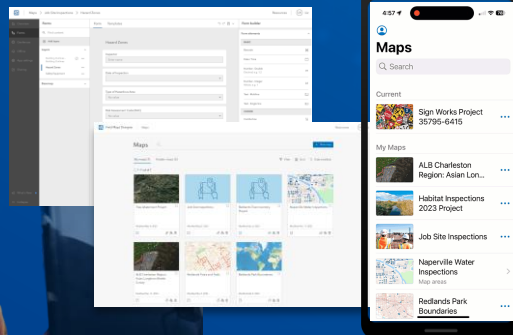
## Advance Awareness

Up-to-date information when you need it, where you need it



## Plan & Coordinate

Design field workflows



Optimize maps

Search and View Assets

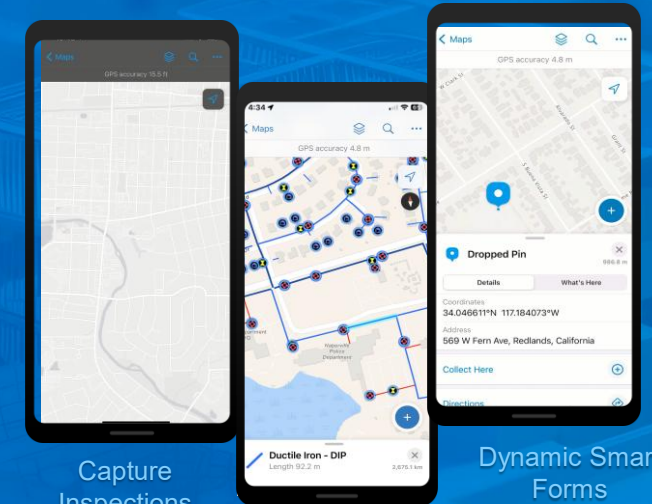
Task coordination

Configure mobile experience

Share Location

## Data Capture

Intuitive and powerful collection tools



Capture Inspections

Capture with high accuracy

Dynamic Smart Forms

## Integration

Connecting systems, reducing siloes

Automation



Location providers

Work Order Management

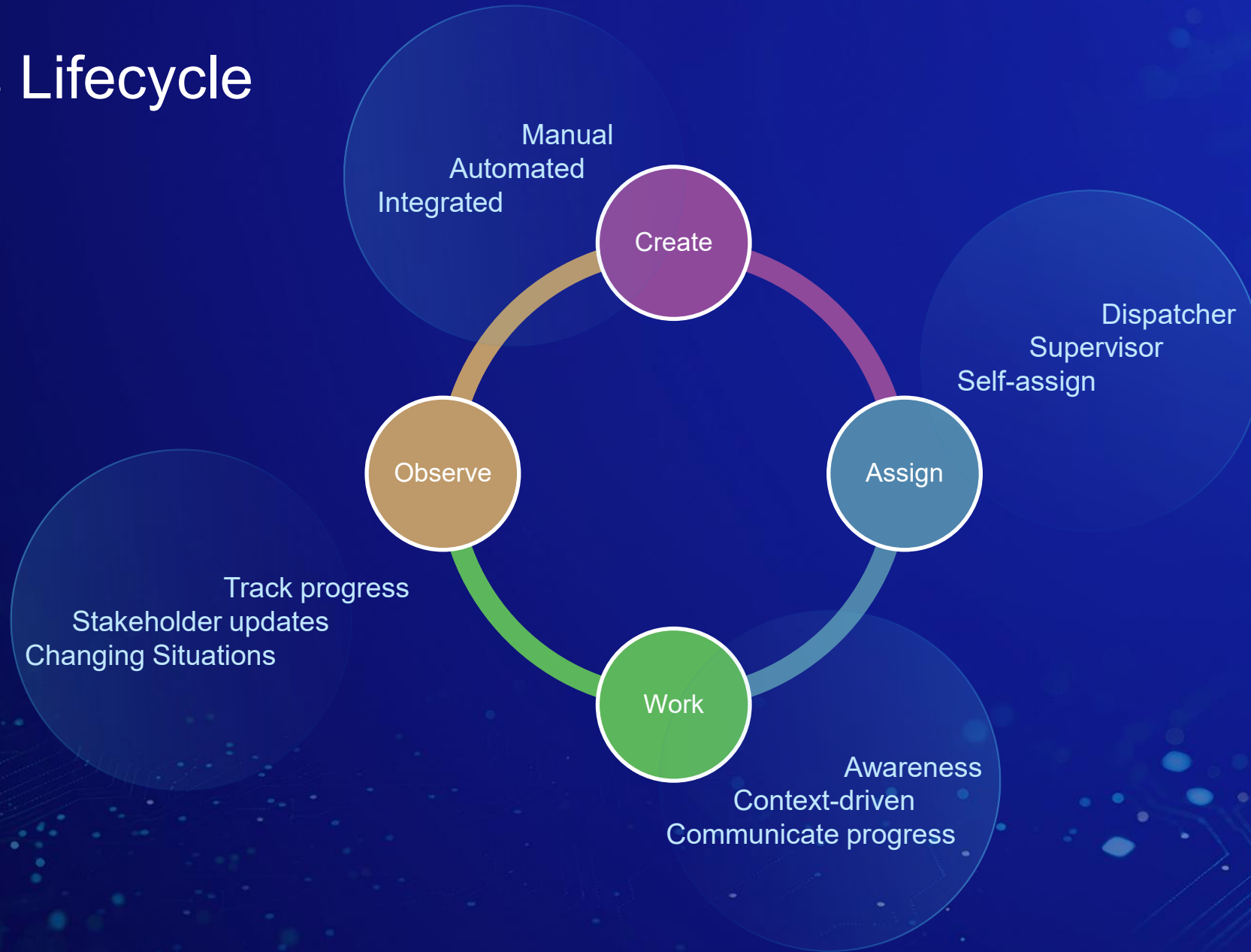
# Field Coordination

It is vital to coordinate field operations  
... ArcGIS supports field coordination  
... Now is the time to master tasks!

Providing Field Coordination for your Organization



# Tasks Lifecycle



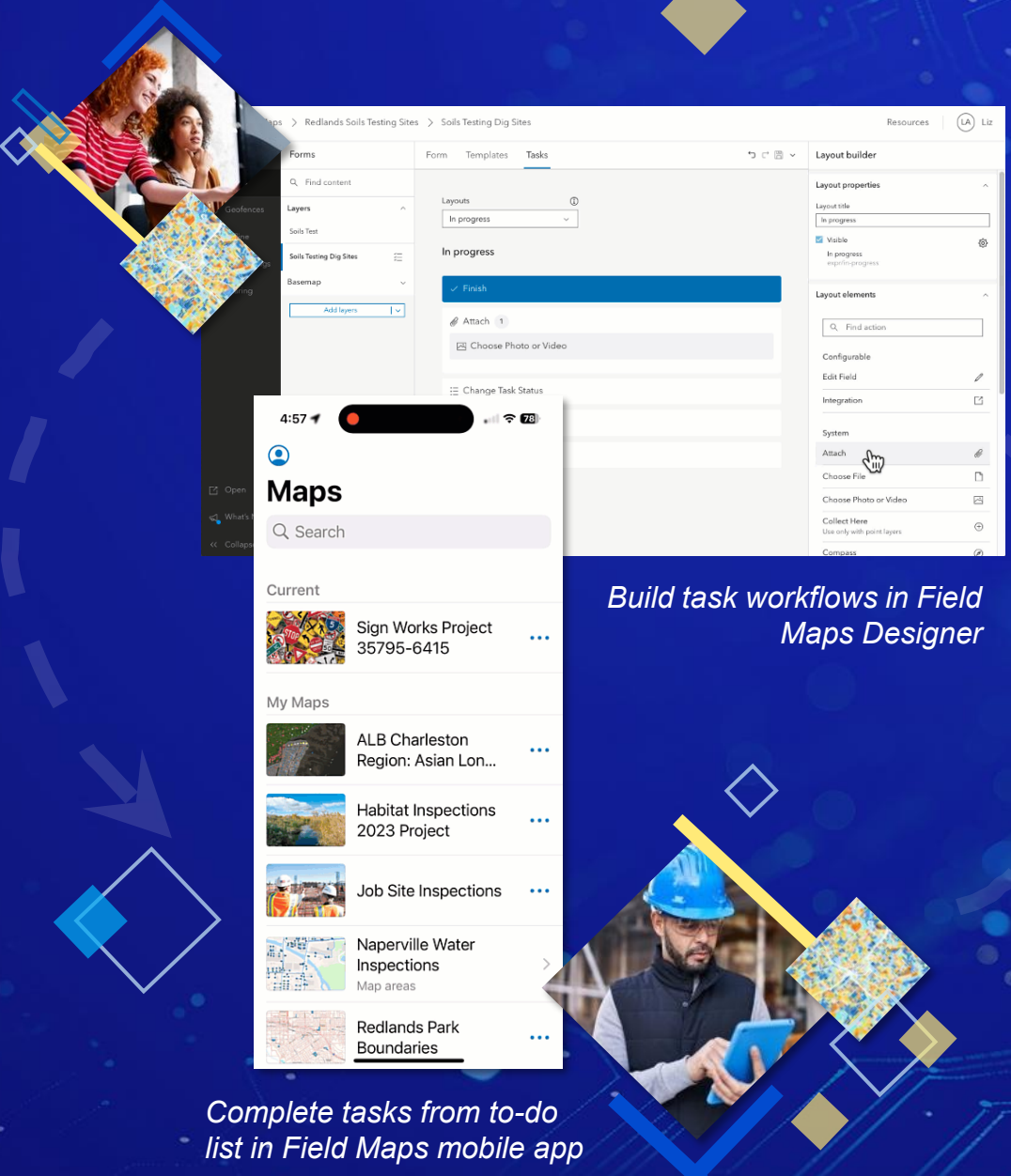


# Introducing the Tasks Capability

Dynamic, actionable to-do lists in the field

Tasks is designed to **coordinate and manage** individual assignments that need to be completed in the field.

- Create, assign, and prioritize work
- Real-time coordination
- Configure to workflows
  - Create tasks in the field
  - Pick up unassigned work
  - Flexible but easy to get started
- Track work progress
- Integrate with existing business systems and apps



*Build task workflows in Field Maps Designer*

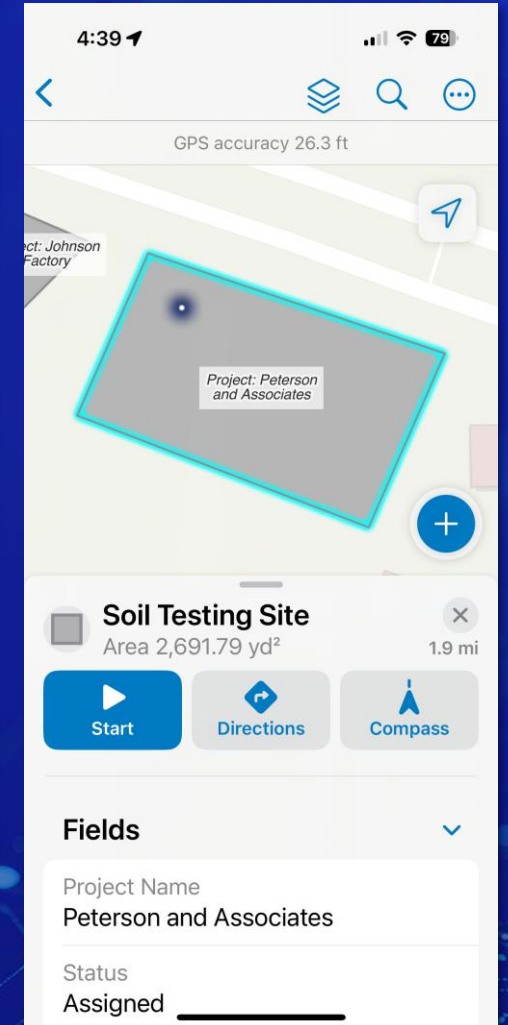
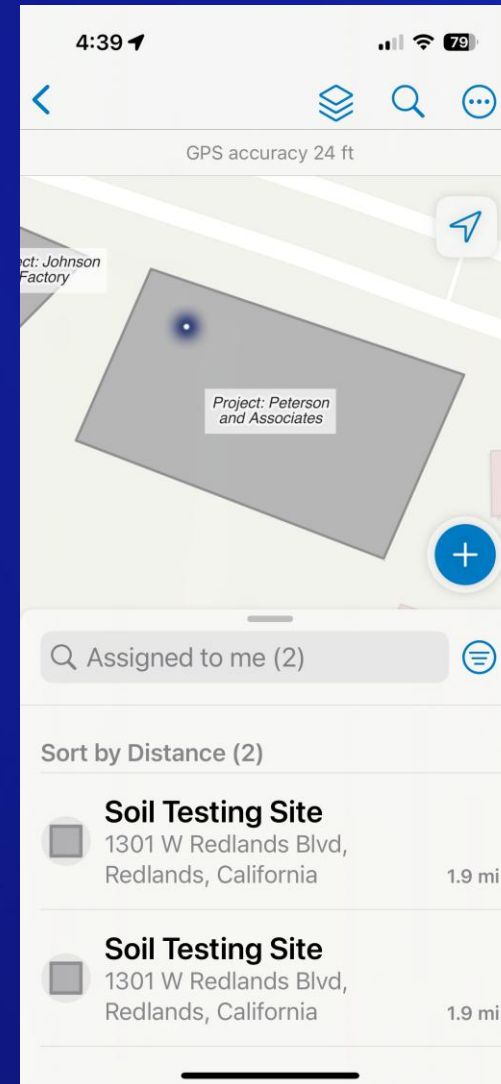
*Complete tasks from to-do list in Field Maps mobile app*

# What are tasks?

Dynamic to-do lists for the field

With tasks, mobile workers can:

- **View & access** task details
- **Sort** and **filter** tasks
- **Navigate** to the job site
- Complete their work with configurable, context-driven **task actions**
- **Create** and **assign work** in the field
- Work with tasks both **online** and **offline**, **indoors** and **outdoors**



*A task-enabled layer can be point, line, or polygon!*

# The Value of Tasks

- Assigning to a department vs. a specific person
- Back office / in the field coordination
- Problems that required multiple tasks / people
- Granular visibility into progress
- Task based functionality built into ArcGIS Field Maps



# Avolve GIS

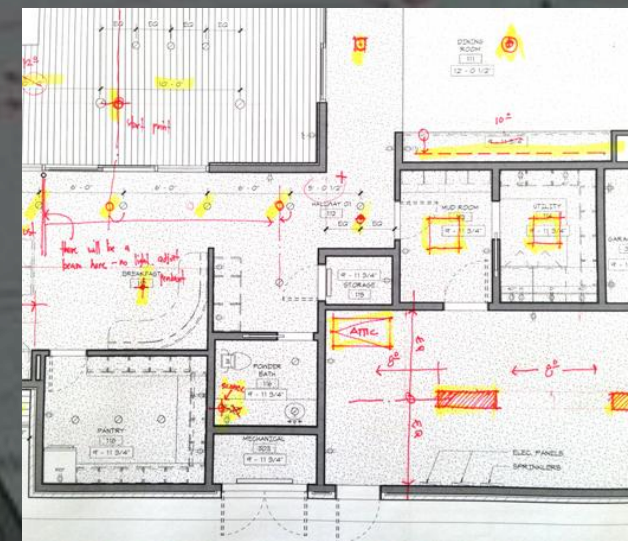
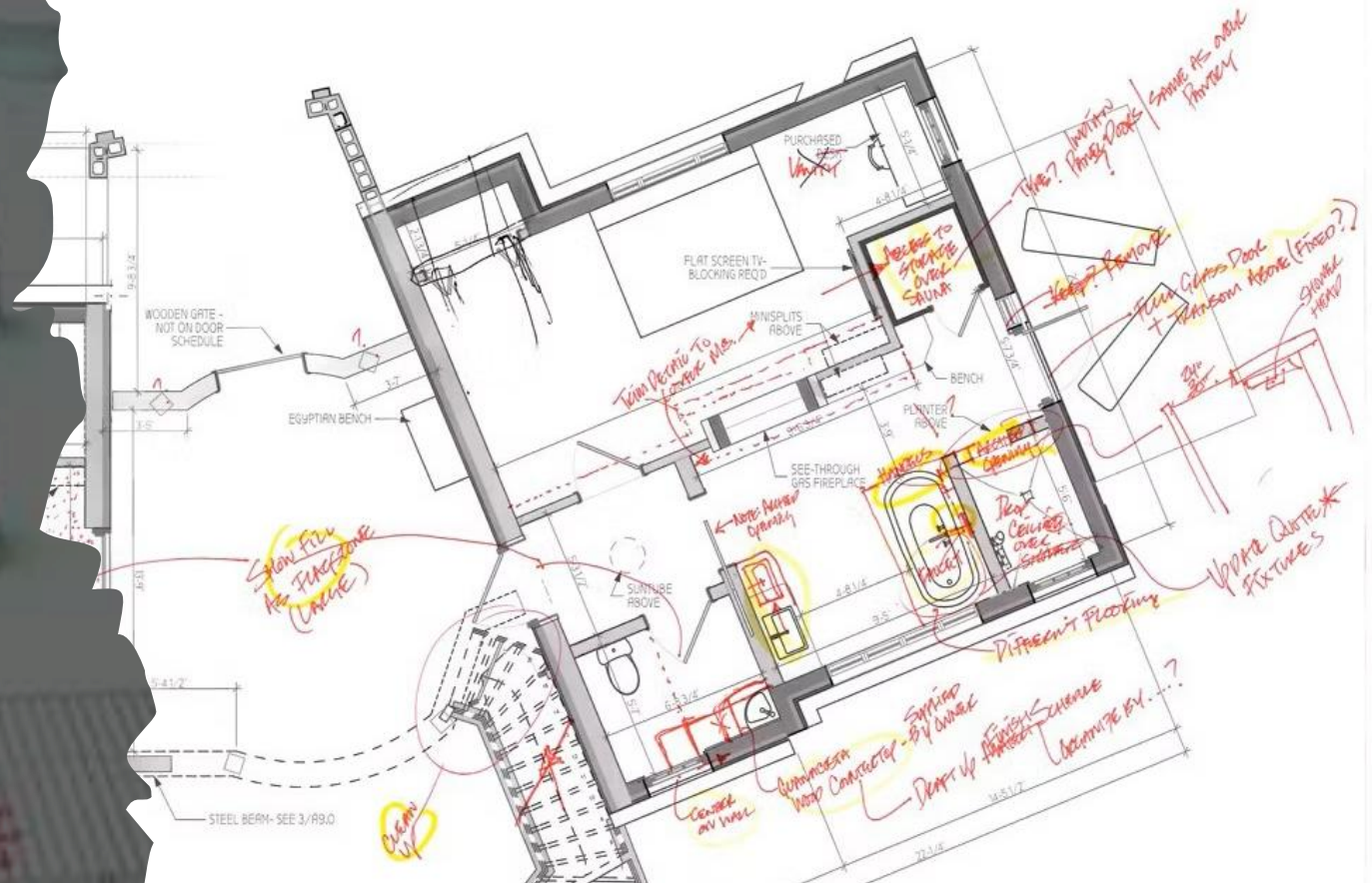
## Spatial Intelligence That Transforms Government Plan Review

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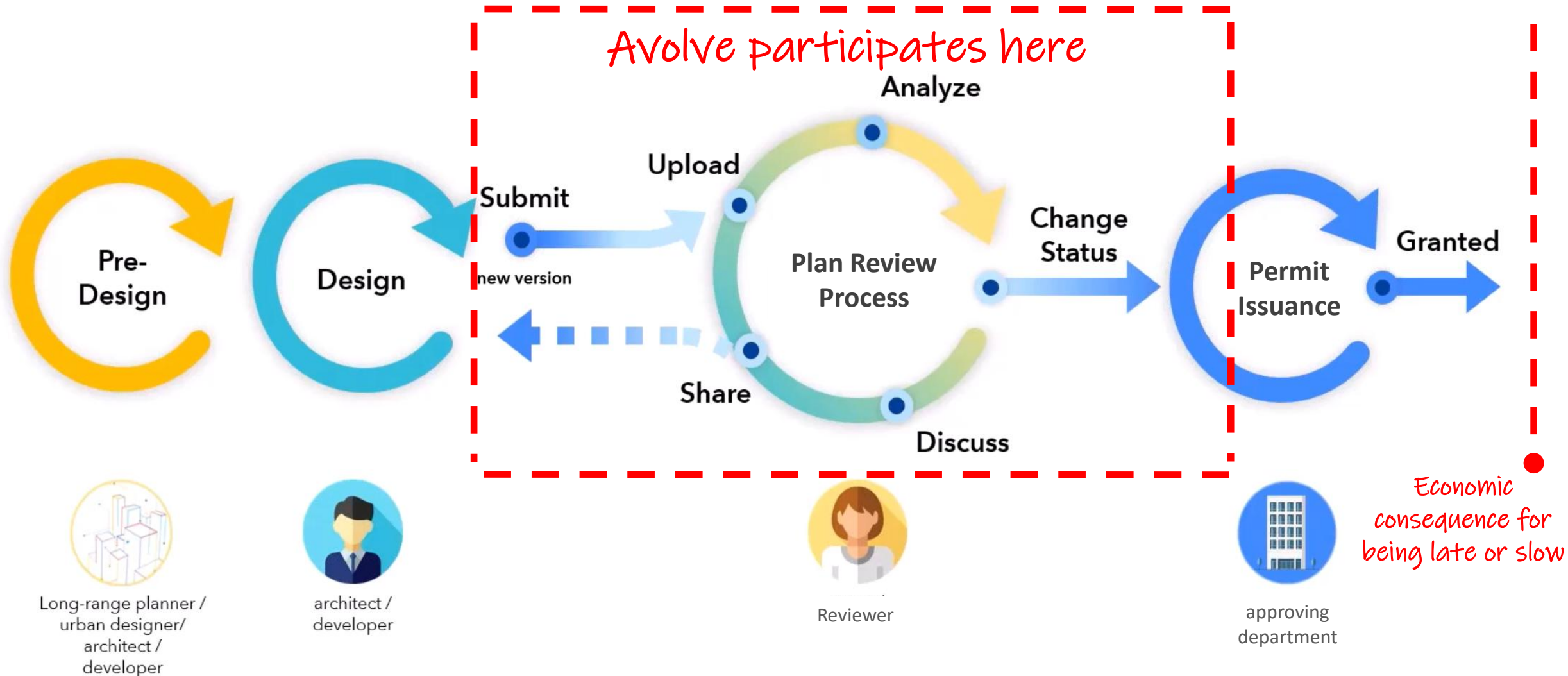




# The heritage mess



# Project Submission and Review Process







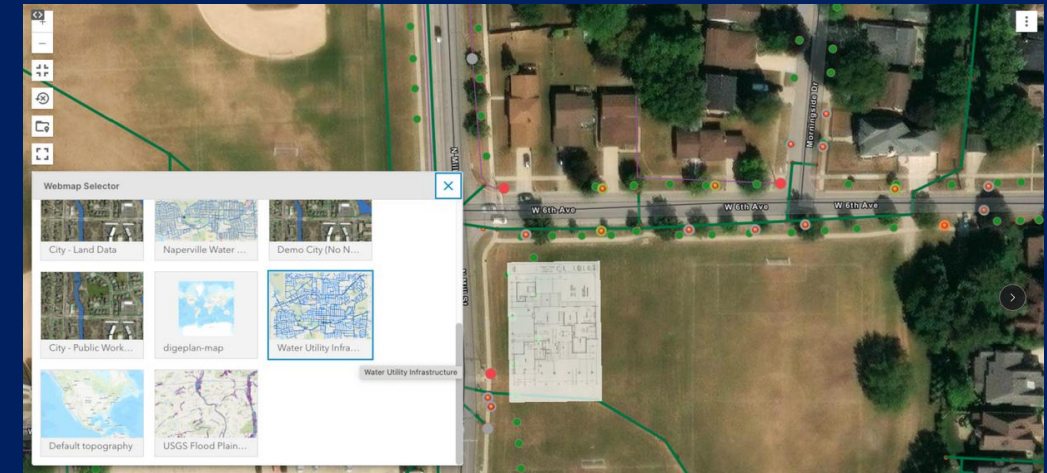
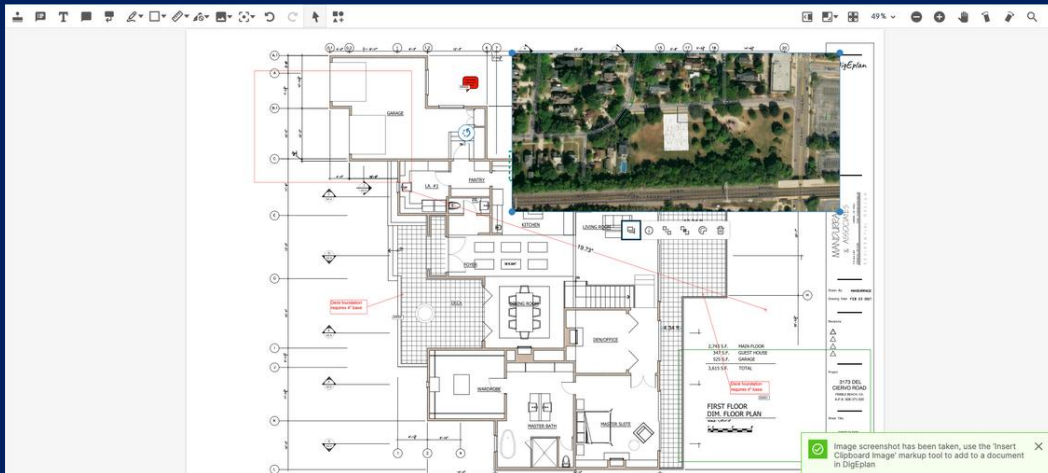
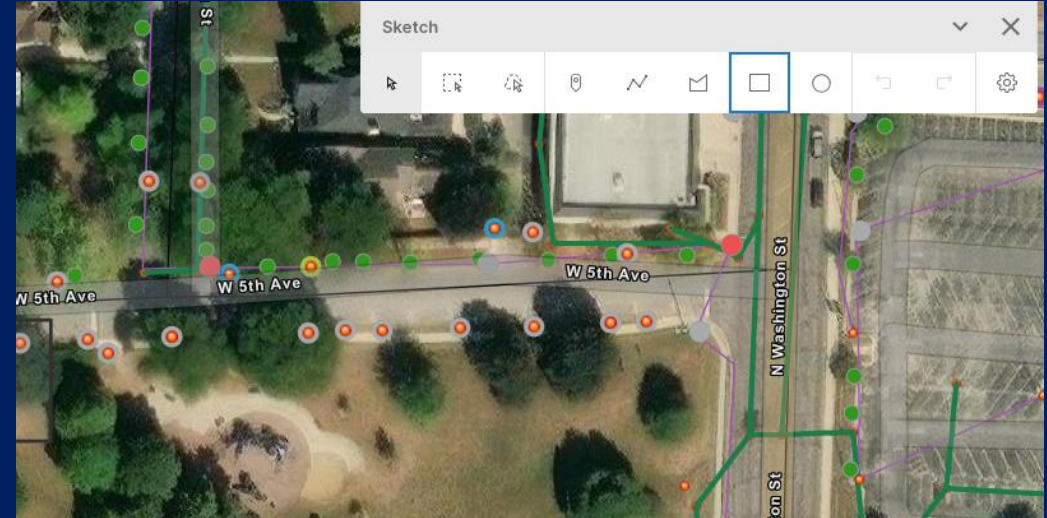
# Break Down Silos

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# Plan Review & GIS in Action





# Avolve Contact

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**Nancy Aguirre**

Account Executive

**Avolve**

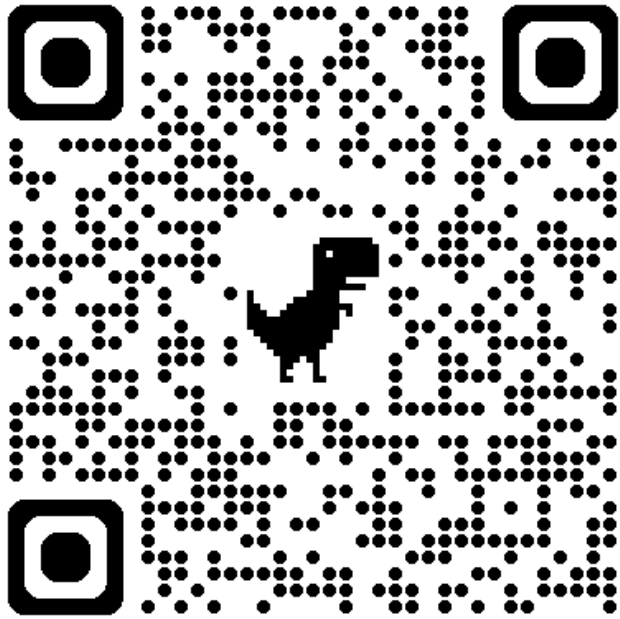
**Phone: 714.931.3580**

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