Land Records Maps and Apps for State and Local Governments

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Agenda

- Background and Context
- Land Records Solution Offerings
- What’s Next
- Q&A and Your Feedback

ArcGIS as a Platform

Simple, Open, and Configurable

Making Mapping and GIS Available Across Your Organization

Transforming the Role of GIS

ArcGIS Platform

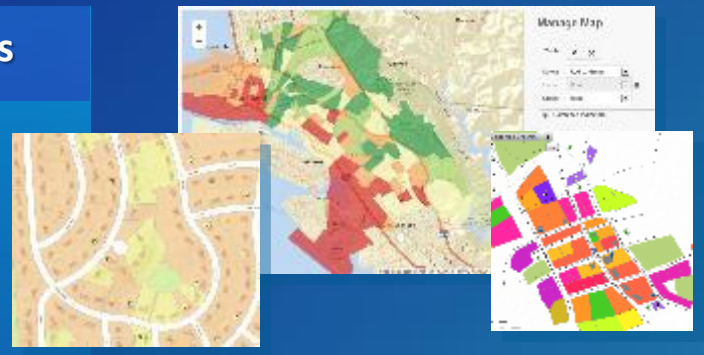
Enabling GIS in the Assessor's Office

ArcGIS Solutions

Platform Configurations
for Organizations

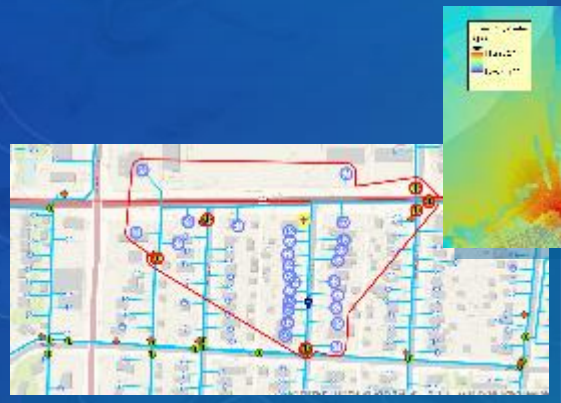
Ready-to-Use Maps and Apps

- Easily Configured
- Fully Supported
- Open Source
- Free

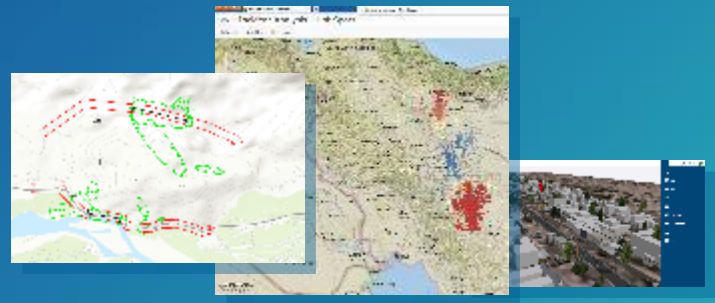


Local and State Government

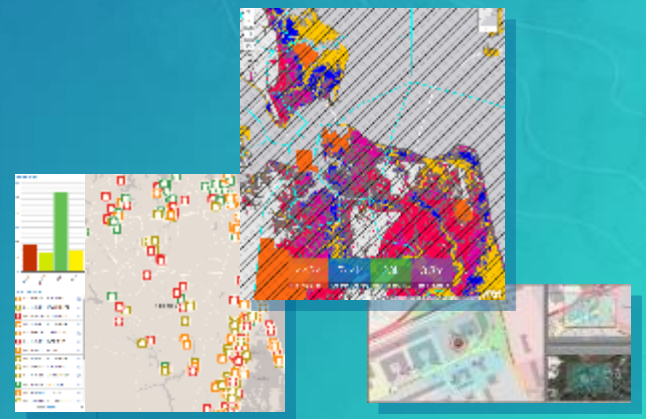
Parks and Gardens



Utilities and Telco



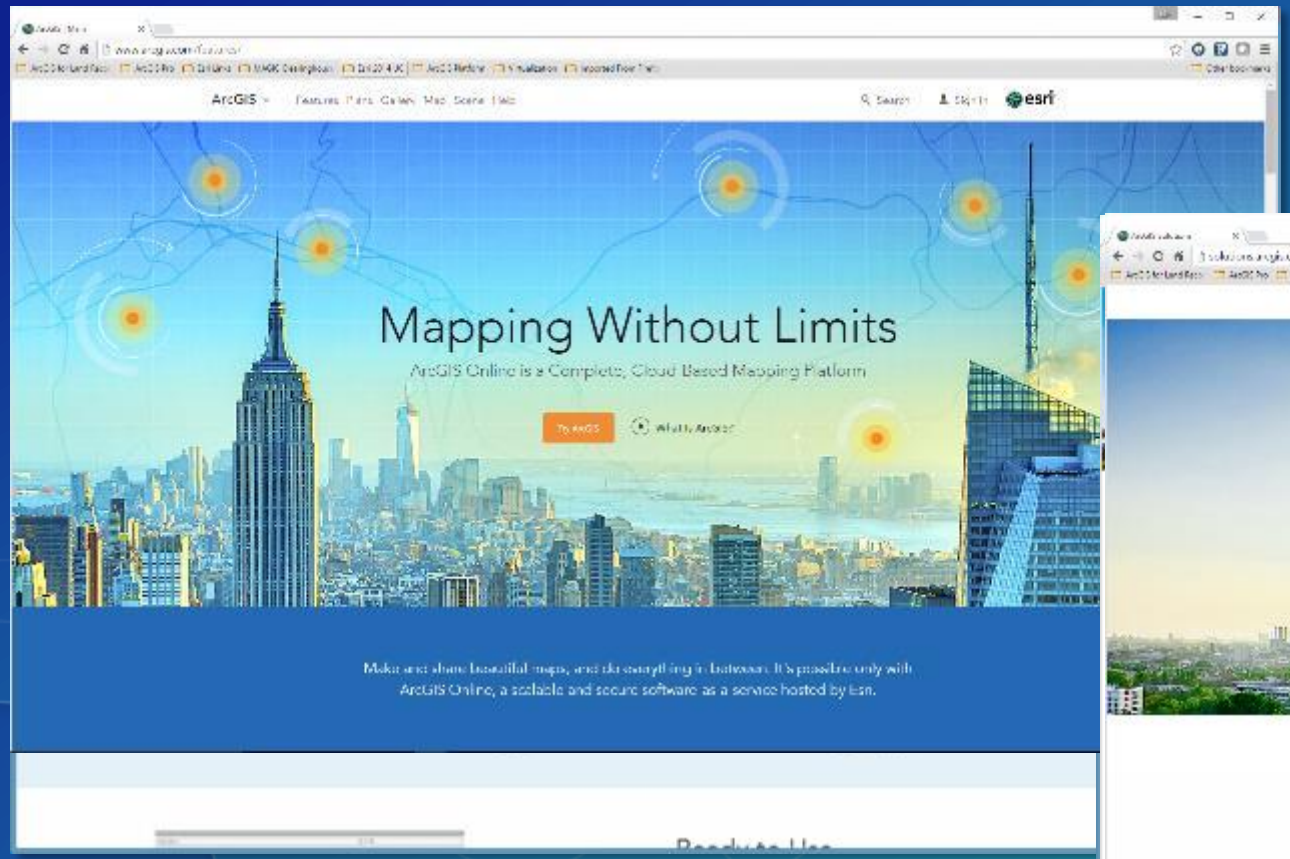
Military and Security



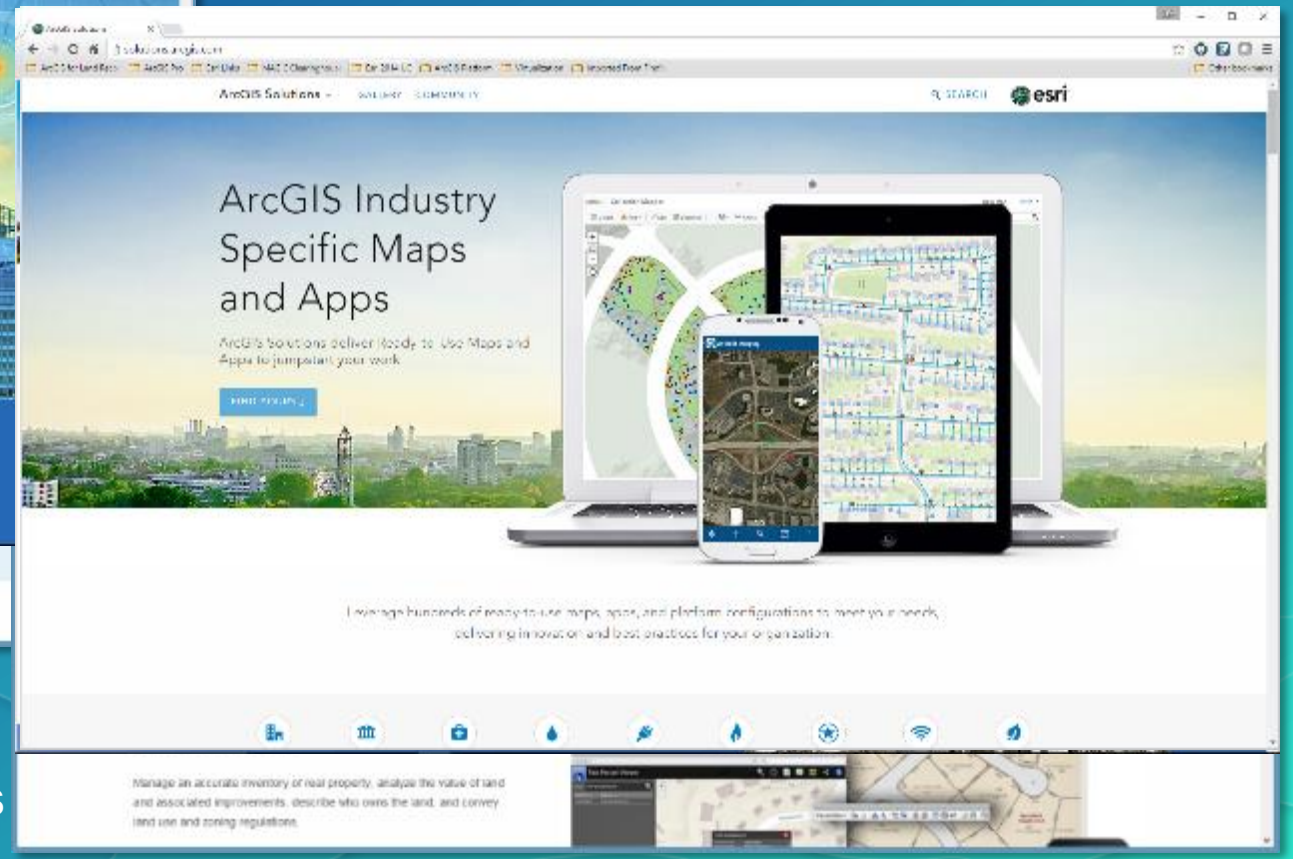
Public Safety and
Emergency Management

. . . Improving Productivity and Leveraging Best Practices

Turning Point



ArcGIS Online

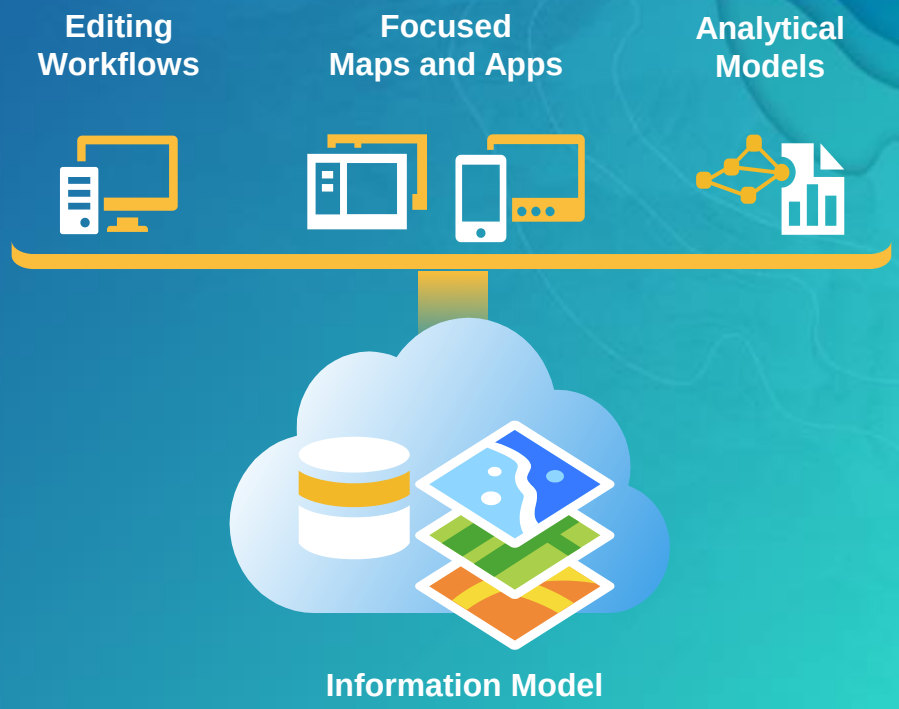


Solutions

ArcGIS for State and Local Government

Esri solutions for government customers

- **Series of useful maps and apps focused on government work**
  - Configurable and extensible
  - Freely available and fully supported
- **Community of users**
  - Best Practices / Implementation Support
- **Network of Esri Services and Partner offerings**
  - Help users implement, sustain and enhance



…..Available on-premise or in the cloud

ArcGIS for State and Local Government

Our mission is to help you……

- **Deliver maps and applications quickly throughout your organization**
- **Stay current with future releases / avoid legacy technology**
- **Unclock geospatial platform that can be leveraged by many**
- **Leverage the collective knowledge of the entire community**
- **And do this with….less staff, budget, and technical expertise**

Elections

- Early Voting
- Election Polling Places
- Polling Wait Times
- Election Results
- Historical Election Results Gallery
- My Elected Representative

Land Records

- Tax Parcel Editing
- Data Reviewer for Parcels
- Public Land Survey Editing
- Parcel Drafter
- Community Parcels
- Value Analysis Dashboard
- My Tax Distribution
- Tax Reverted Properties
- Assessment Appeals
- Tax Parcel Viewer
- School Locator
- Residential Comp Finder
- Tax Map Book

Public Health

- Opioid Awareness Maps
- Naloxone Deployment Reporter
- Drug Activity Reporter
- Drug Drop-off Locator
- Drug Drop-off Calculator
- Health Resource Inventory
- Opioid Treatment Locator
- Pain Management Locator
- Opioid Response Dashboard
- Homeless Point-in-Time Counts
- Homeless Service Locator
- Homeless Activity Reporter

Law Enforcement

- Cell Phone Analysis
- Near Repeat Analysis
- Public Safety Incident Maps
- Field Interview Map
- Tactical Operation Planner
- Tactical Operation Dashboard
- Tactical Operation Surveillance

Fire Service

- Fire Station Wall Map
- Fire Incident Maps
- Fire Run Book
- Target Hazard Analysis
- Pre-Incident Plan Coordinator
- Pre-Incident Plan Field Inventory
- Pre-Incident Plan Dashboard
- Pre-Incident Plan Locator
- Fire Hydrant Inspection
- Fire Safety Survey
- AED Reporter
- AED Locator
- AED Inventory
- Emergency Assistance

Public Works

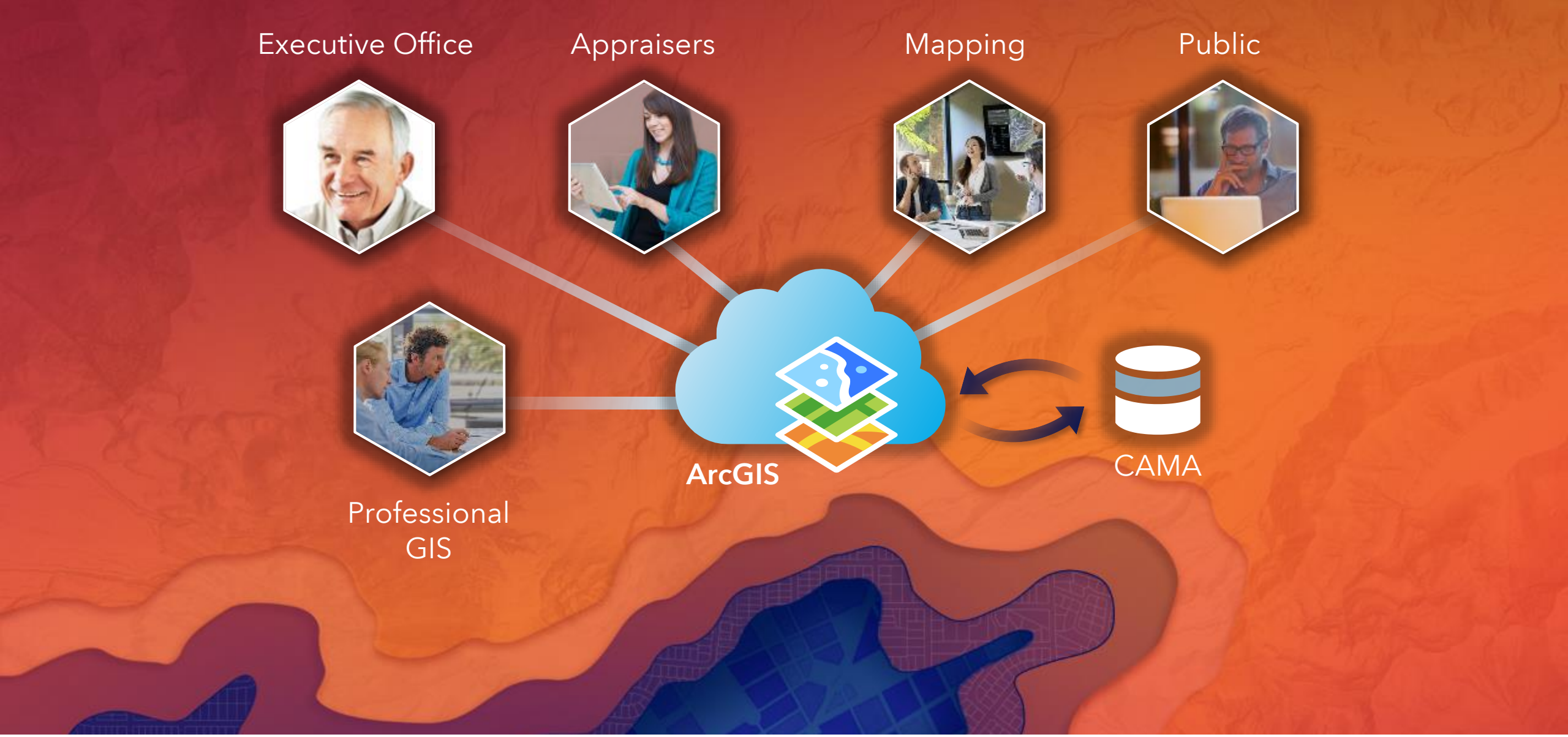
- Campus Place Locator
- Campus Editing
- Citizen Problem Reporter
- My Government Services
- Plans and Drawings
- Road Maintenance Agreements
- Public Parking
- Capital Project Planning
- Capital Project Tracking
- Road Closures
- Vision Zero
- Crash Analysis
- Road Network Editing
- Adopta
- Flood Planning
- SnowCOP
- Participatory Budgeting
- Sign Inventory
- Signal Inventory
- Streetlight Inventory
- Street Tree Inventory
- Bridge Inventory
- Sidewalk Inventory
- Pavement Marking Inventory
- Guardrail Inventory
- Street Furniture Inventory
- Railroad Crossing Inventory
- Mosquito Adulticide Planning
- Mosquito Field Observations
- Mosquito Health Concerns
- Mosquito Larvicide Reporting
- Mosquito Population Surveillance
- Mosquito Service Request
- Mosquito Spray Areas
- Mosquito Spray Exclusions

Planning and Development

- Address Data Management
- Data Reviewer for Addresses
- Community Addresses
- Address Field Verification
- Address Crowdsourcing
- Site Selector
- Live, Work, Locate
- Incentive Zones
- Events Calendar
- Events Permit
- Events Permit Review
- Events Site Map
- Events Coordination
- Events Map Gallery
- 3D Public Survey
- Visualize Proposed Developments
- Visibility Assessment
- Calculate Solar Radiation
- Shadow Impact Analysis
- Demolition Tracker
- Mortgage Counseling Locator
- Blight Status
- Photo Survey
- Park Locator
- Code Violation
- Public Comment
- Public Notification
- Land Use Inquiry
- Floodplain Inquiry

Entire Organization

- Administrative Area Data Management
- Local Government Basemaps
- Data Reviewer for Basemaps
- Local Government 3D Scenes
- ArcGIS Online Model Organization
- Local Government Information Model
- Service Catalog



State and Local Government

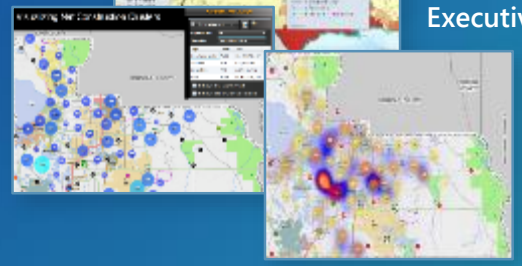
Land Records Maps and Apps

Transforming Land Records GIS

Providing capabilities for key business requirements

Find New Revenue

Unpermitted Construction
Missing Real Property
Missing Addresses



Improve Public Relations

Accessible Authoritative Data
Executive Access to Business Data
Platform for Citizen Collaboration
Executive Awareness of Local Issues

Reduce Appeals

Defensible Valuation Process
Dissemination of Authoritative Data
Public Access to Appraisal Information
Quality Control Process

Improve Government Operations

Emergency Management
Public Safety
Planning and Community Development
Code Enforcement and Permit Review

Our Goals

Expand the use of location-based data in land records organizations

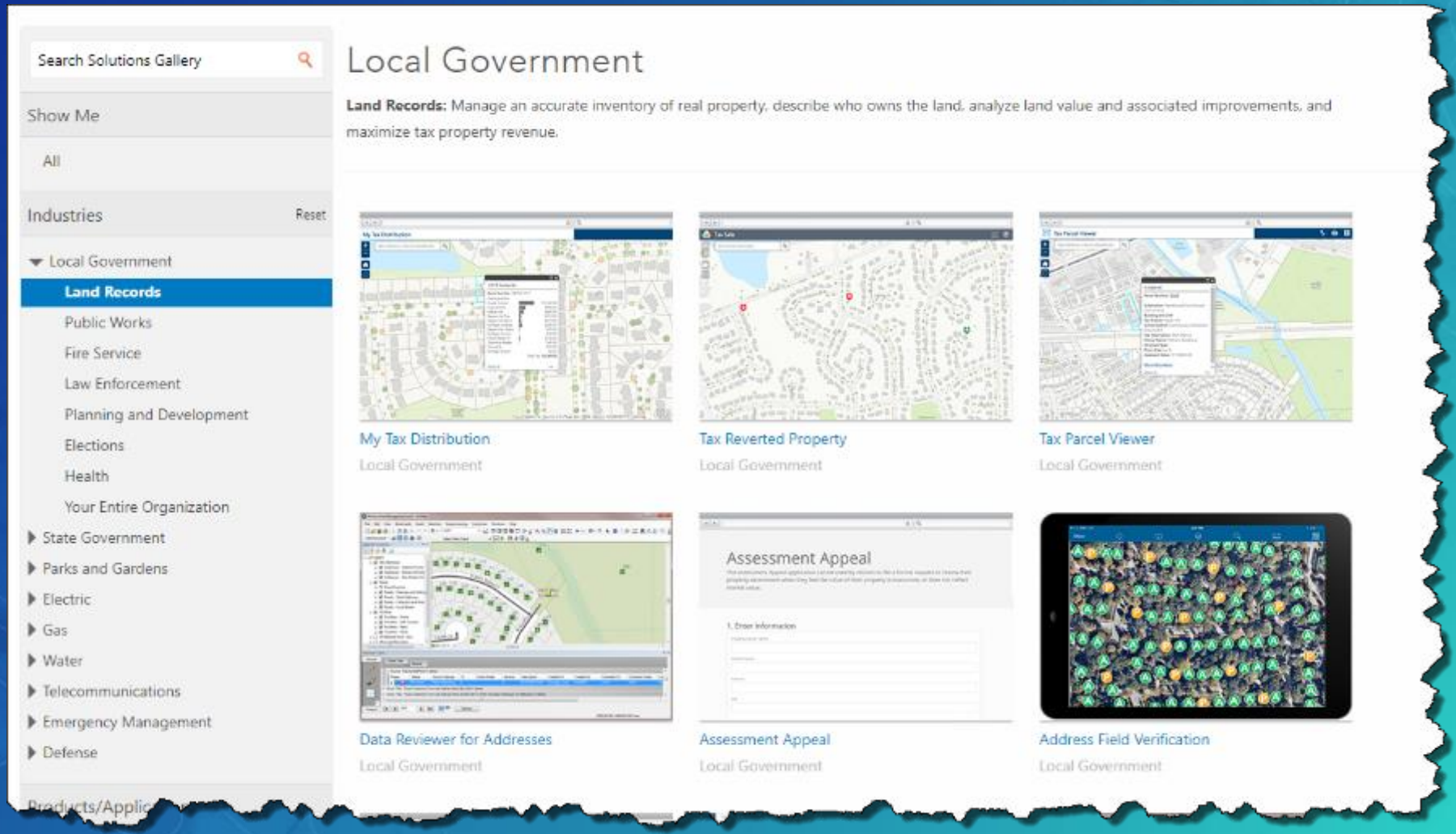
- Developed focused maps and apps that address key workflows in:
  - Visualization of Property Values and Characteristics
  - Public Access
  - Maintaining Tax Roll
  - Blight Remediation
- Organized a community of users to guide the solution offering

Land Records Maps and Apps

Public Engagement	Operational Insight	Maintain Assessment Roll	Blight Remediation	Geo-enable Assessment and Tax Office
Tax Parcel Viewer	Value Analysis Dashboard	**Tax Parcel Editing**	Citizen Problem Reporter	Model ArcGIS Online Organization
Land Sale	Residential Comp Finder	**Deed Drafter**	**Photo Survey**	Community Parcels
Public Notification	Tax Reverted Property	**Tax Map Book**	**Blight Status Dashboard**	Standard integration patterns (CAMA, Tax Receivables, etc.)
Floodplain Inquiry		**Public Land Survey Editing**	Code Violation	
Assessment Appeal		**Community Addresses**		
Tax Distribution				

Land Records Maps and Apps

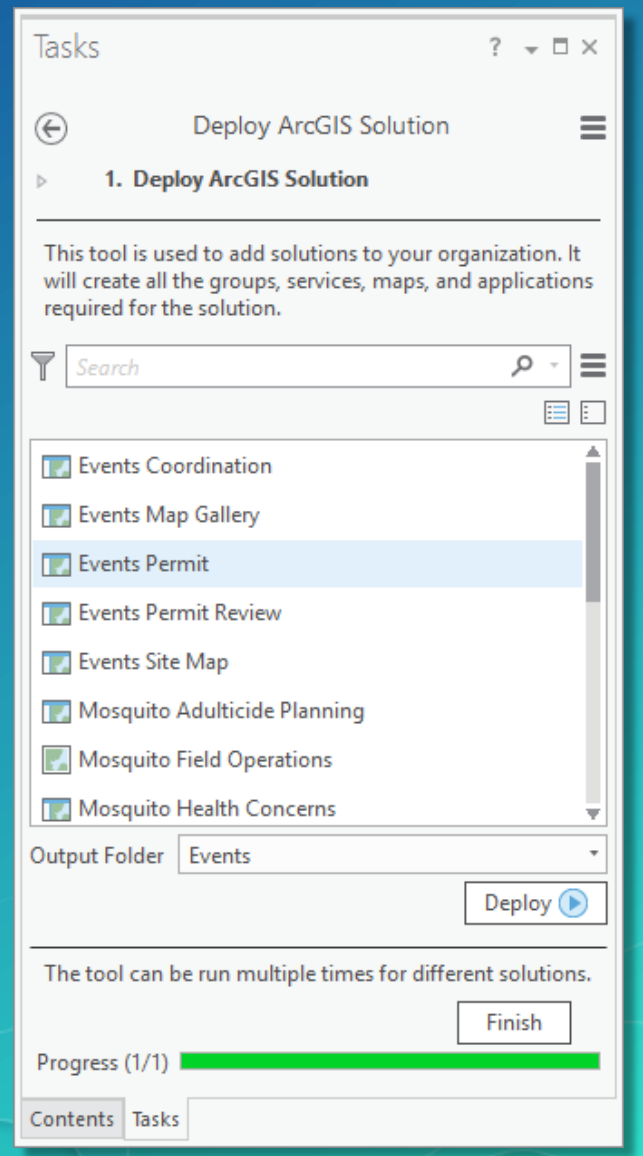
Collaborate with other stakeholders



Solutions Deployment Tool

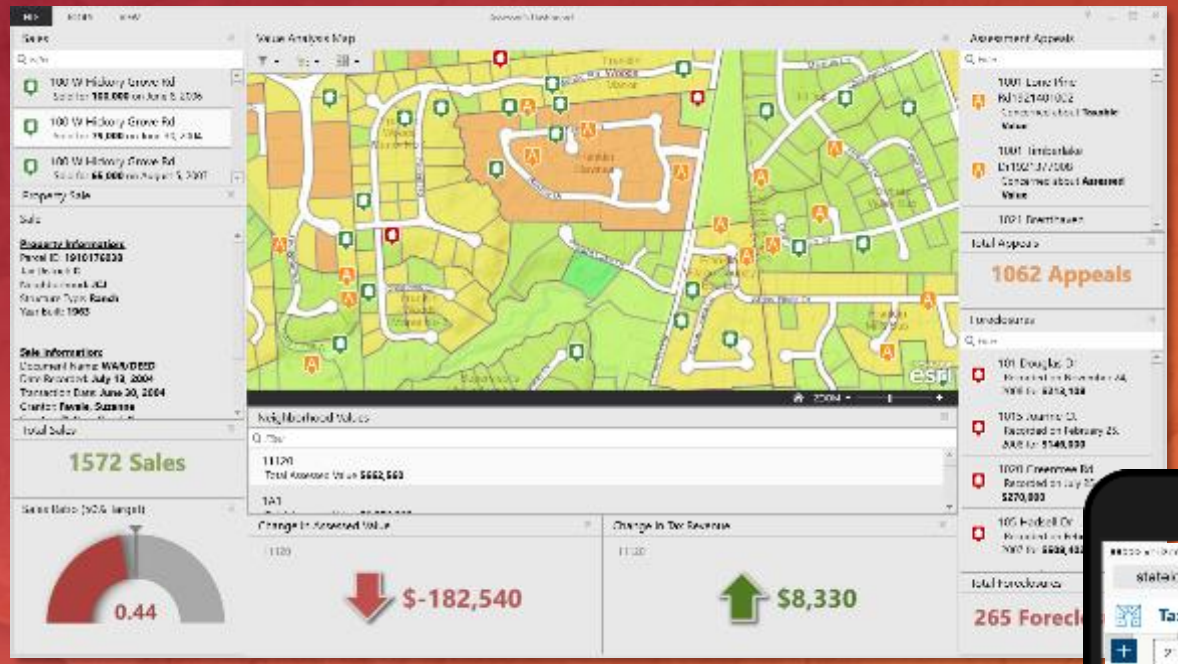
- ArcGIS Pro tasks and tools
  - Discover, deploy and configure solutions in an ArcGIS Organization

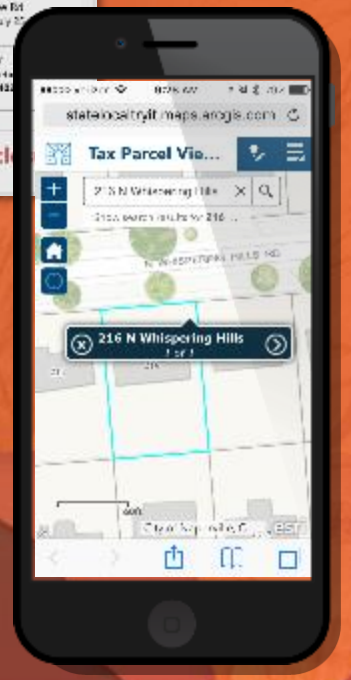
- Help users:
  - Discover solution offerings available
  - Deploy the services, maps, and configurable apps to their organization
  - Configure the solution to meet specific needs in their organization
    - Add fields
    - Modify field domains and aliases
  - Load their data (if required)

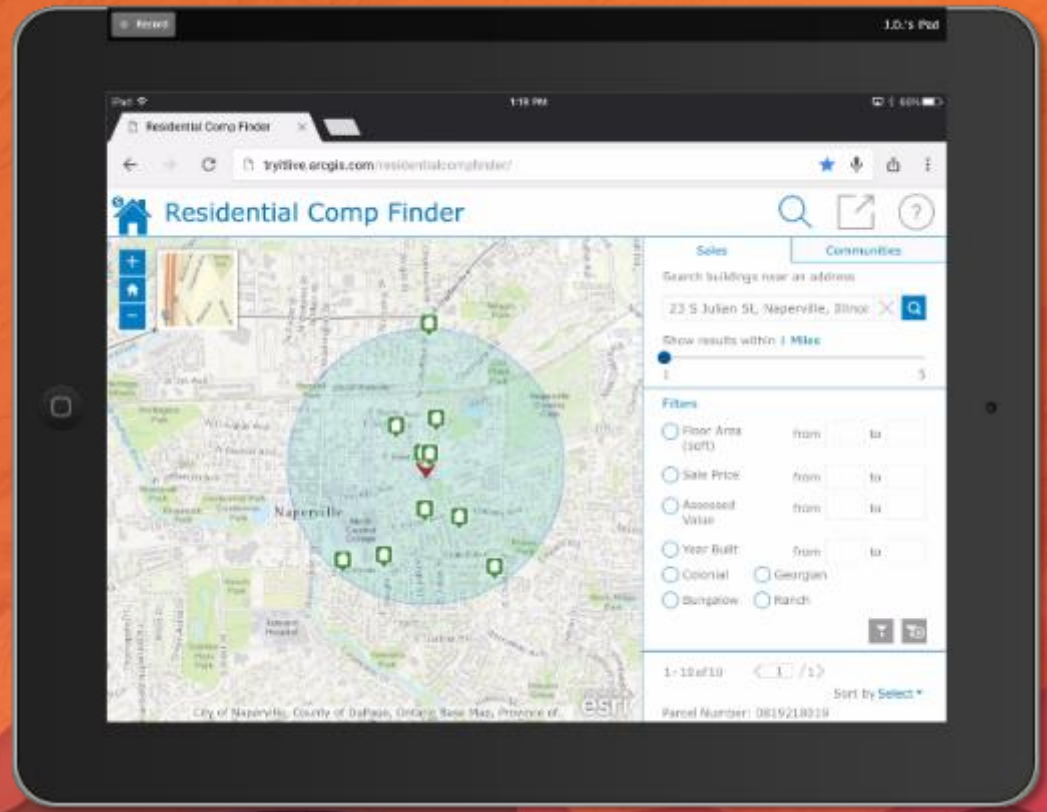


Show Me!

Land Records Maps and Apps





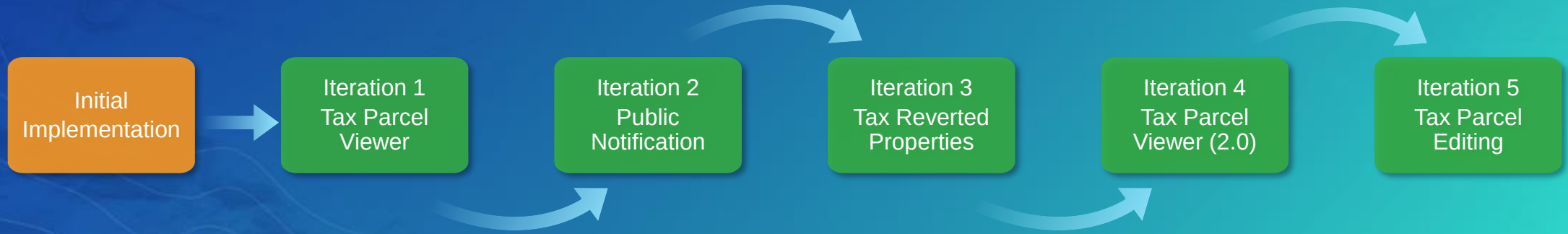


How do I get started?

Leverage solution offerings to maximize technical expertise and minimize deployment time

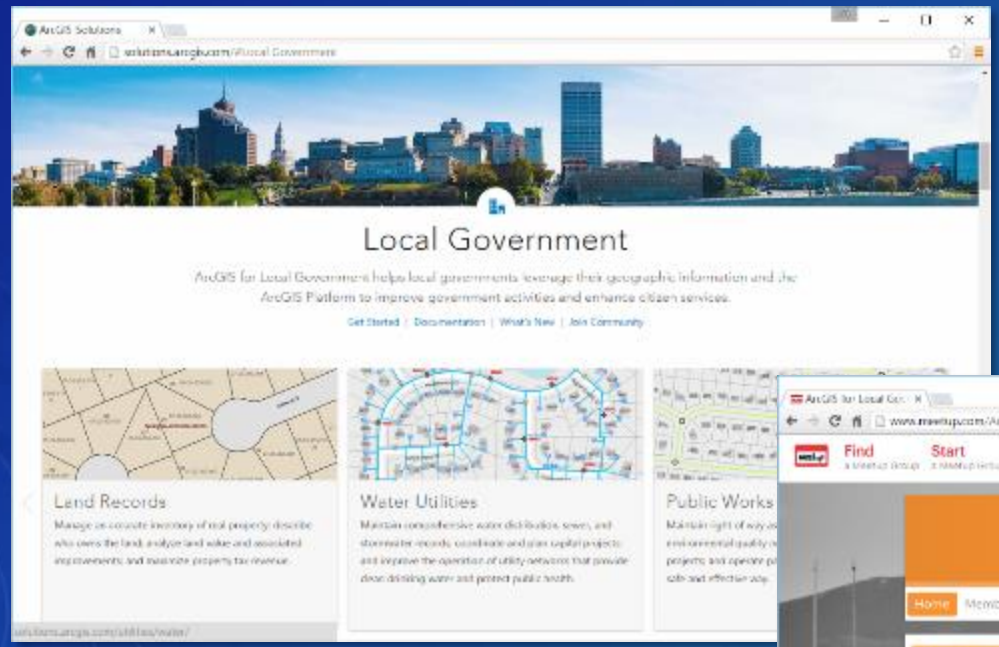
1. Select a configuration pattern
   a) Complete system adoption
   b) Publish and adopt
   c) Sample code and customize

2. Deploy quick wins
   a) Configure your mapping platform
   b) Align with key business requirements
   c) Deploy the focused maps and apps
   d) Iterate….

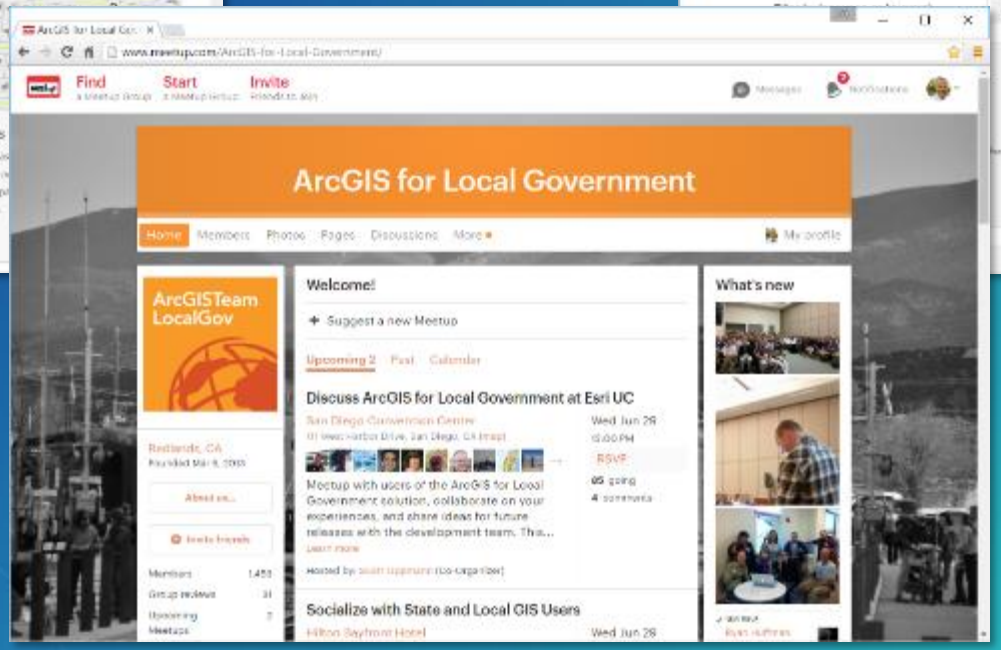


The Community

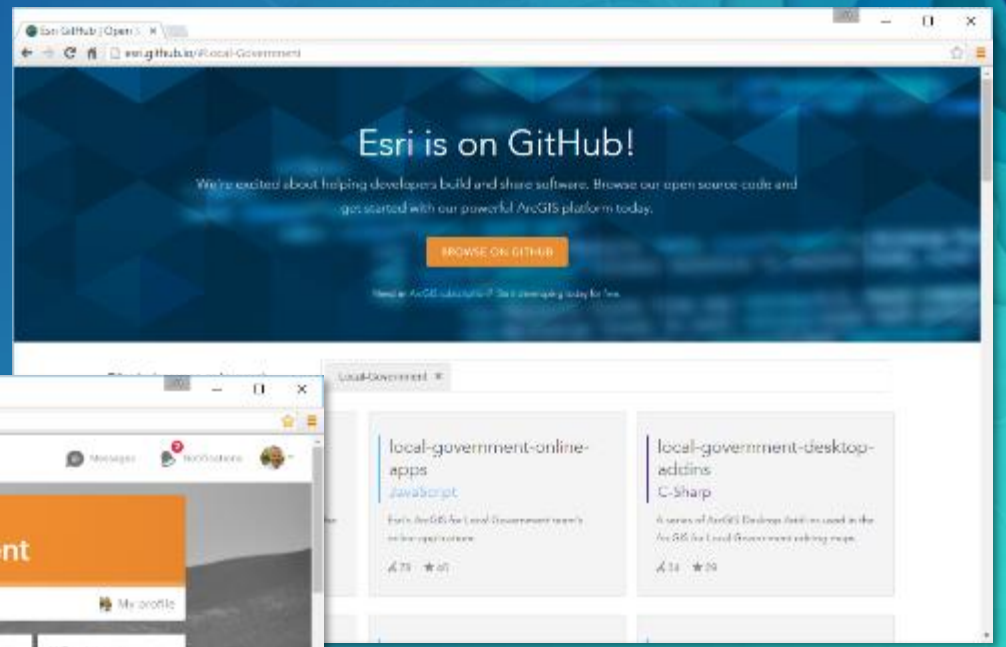
It’s not just about the technology



Destination where government’s can collaborate



Ongoing dialog to share success stories and learn from others



Place where developers can contribute too

It’s a Process

Continuously Evolving Solution Offering

- June 2017
  - First release of My Tax Distribution
- March 2017
  - Enhancements to Residential Comp Finder (Viewer)
  - Enhancements to the Public Land Survey Editing parcel publication tools
- January 2017
  - Enhancements to the Data Assistant Add-in included in Community Parcels solution
  - Tax Parcel Viewer 2.0 configurable with ArcGIS Online
  - ArcGIS Solutions Deployment Tool, an ArcGIS Pro Add-in
- October 2016
  - An update to Residential Comp Finder
- September 2016
  - The first release of Parcel Drafter
  - Enhancements to the Data Reviewer for Tax Parcels batch jobs

Coming Soon

- Public Notification 2.0 (fully hosted)
- Blight Remediation (Blight Early Warning)
- Tax Parcel Viewer updates (appraiser view)
- Residential Comp Finder 2.0 (fully hosted)
- My Property Value
- Value Analysis dashboard 2.0
- Parcel Drafter enhancements

Closing

- Deliver a “Land Records GIS” that enables success
  - Easier to deploy and sustain
- Evolve and grow the collection of apps
- Develop a community of users
- Provide a platform for partners to deploy their solutions

Thank you…

http://solutions.arcgis.com

http://meetup.com/ArcGIS-for-Local-Government/
http://meetup.com/ArcGIS-for-State-Government/

@ArcGISLocalGov
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http://esri.github.com

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