ArcGIS Solutions for State & Local Government

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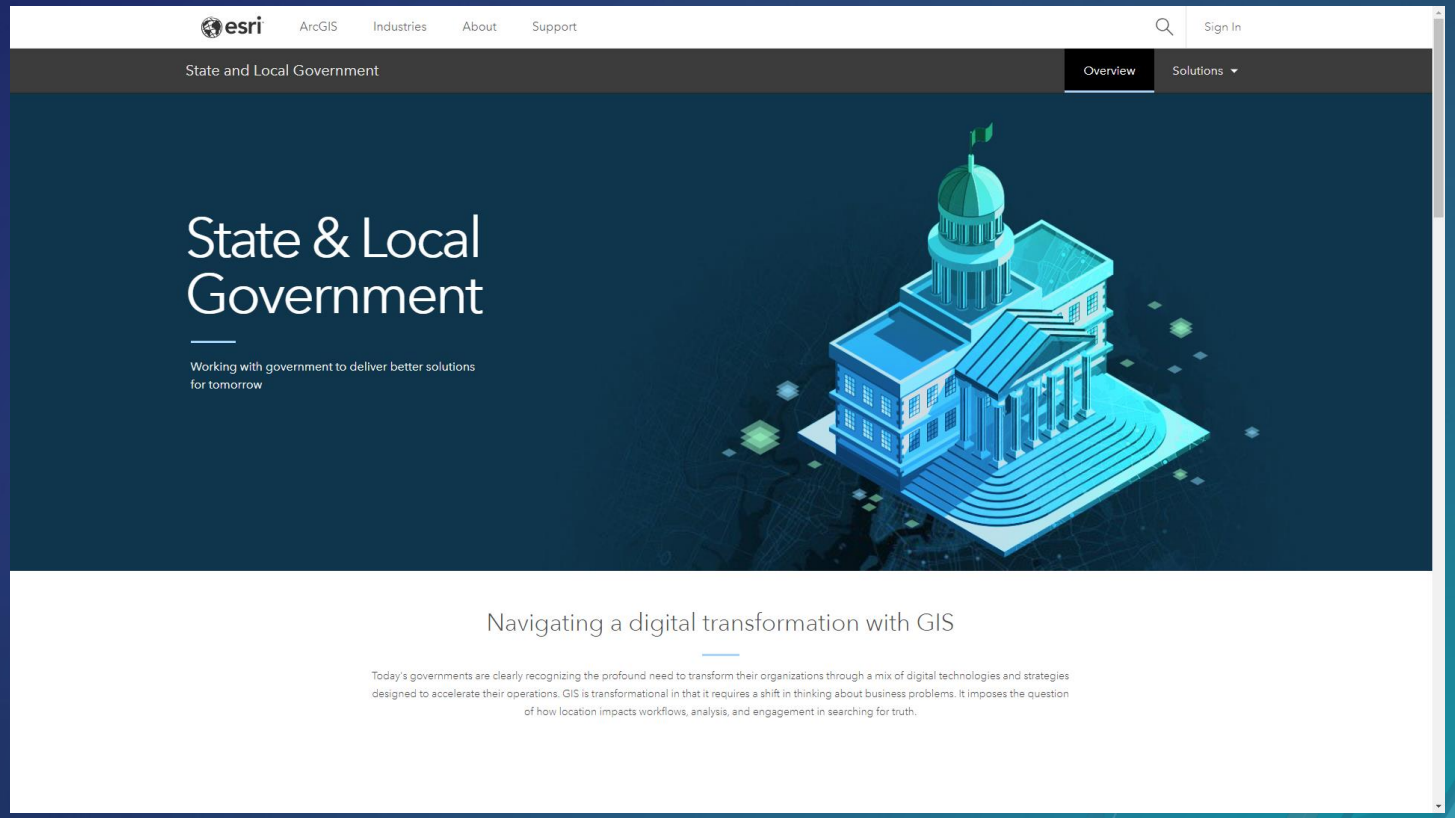
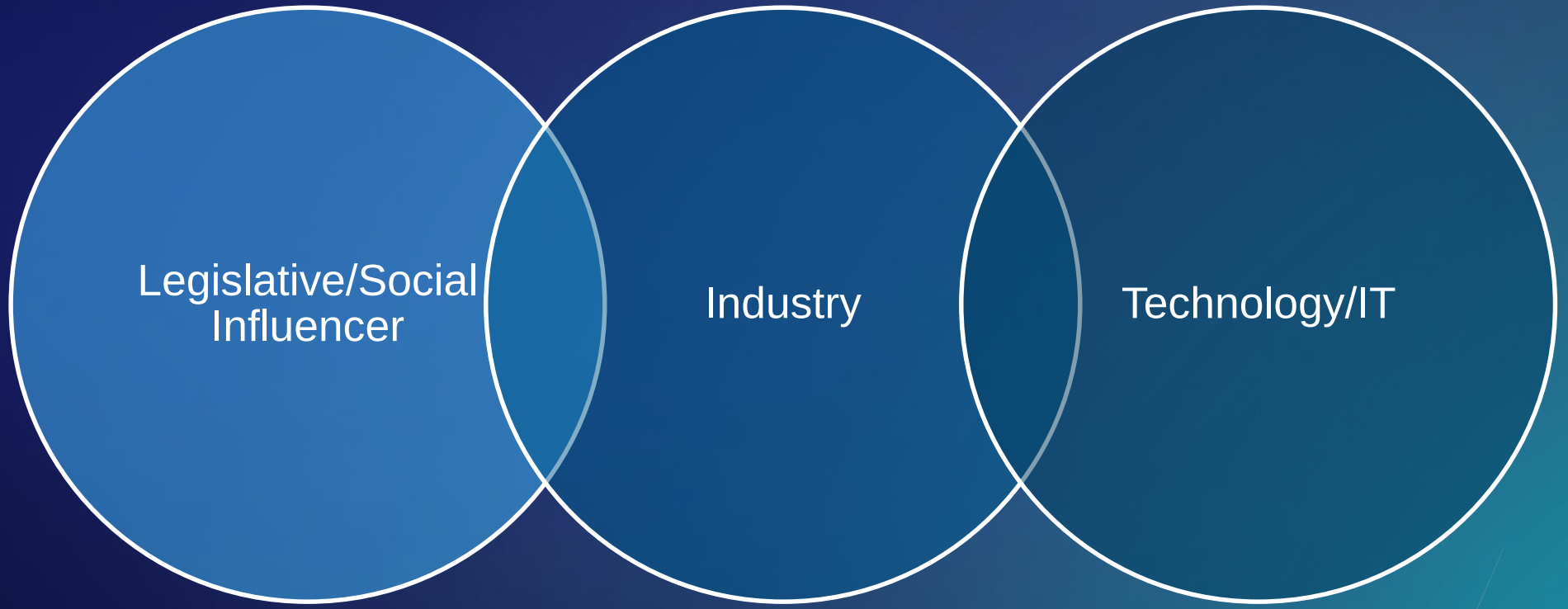
Joseph Bowles

Agenda

- Introduction
- Trends in Government
- Solution Offerings
- What's Next
- Your Feedback

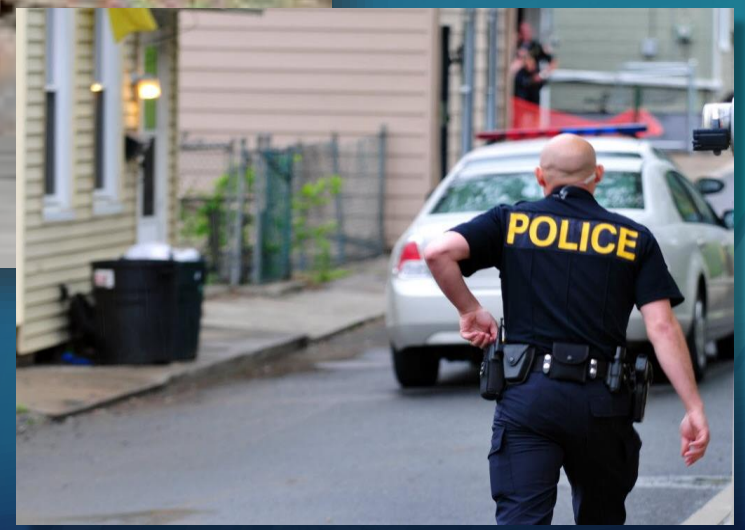


Types of Trends



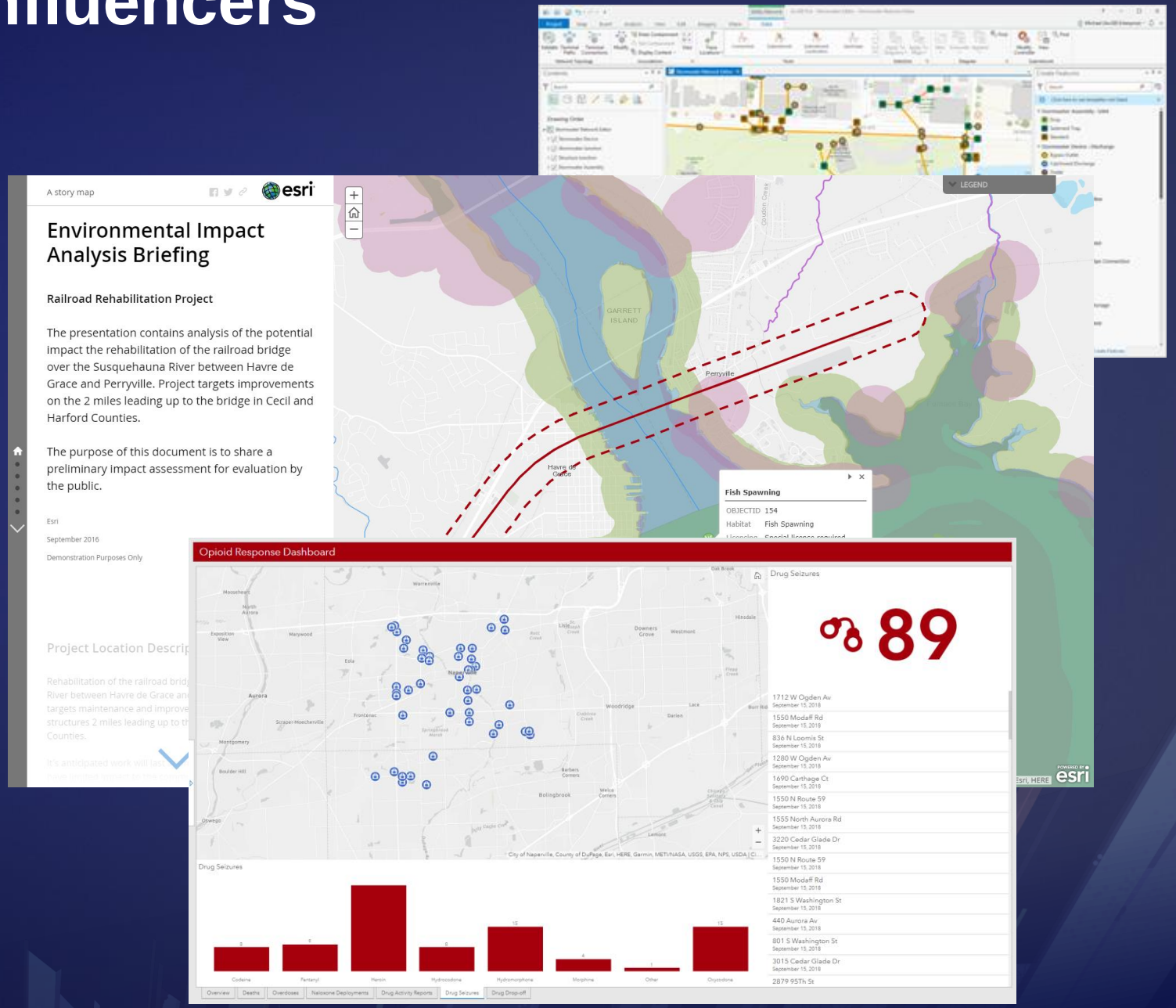
superstock.com

ROAD
CLOSED
ROAD CLOSED


POLICE

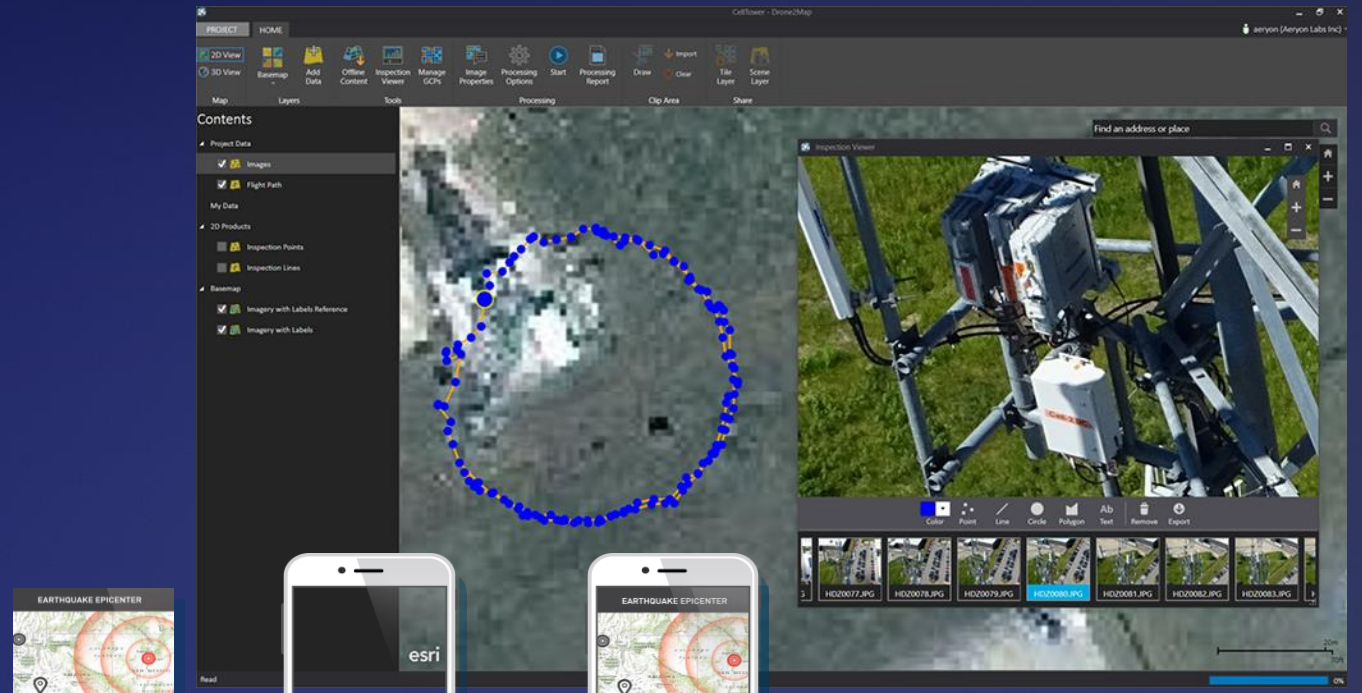
Legislative / Social Influencers

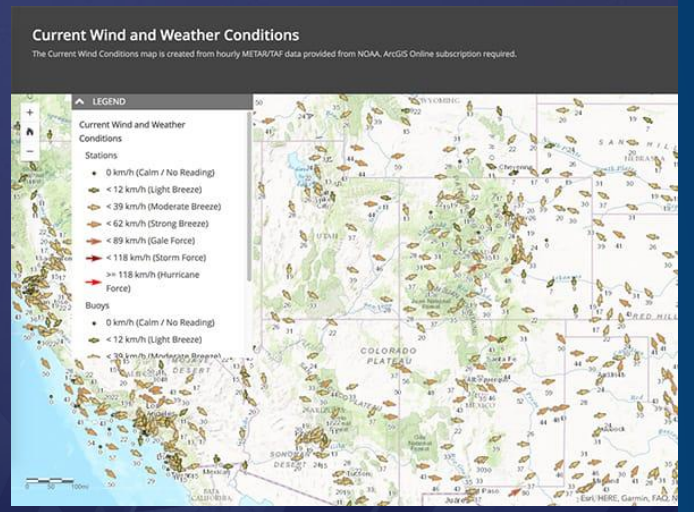
- Infrastructure
- Social Inequities
- Smart Communities
- Civic Engagement
- Mobility



Technology / IT

- Mobile
- Drones/UAS
- BIM Integration
- Civic Engagement / Open Data
- Sensors Real-Time / IoT
- Augmented Reality
- AI

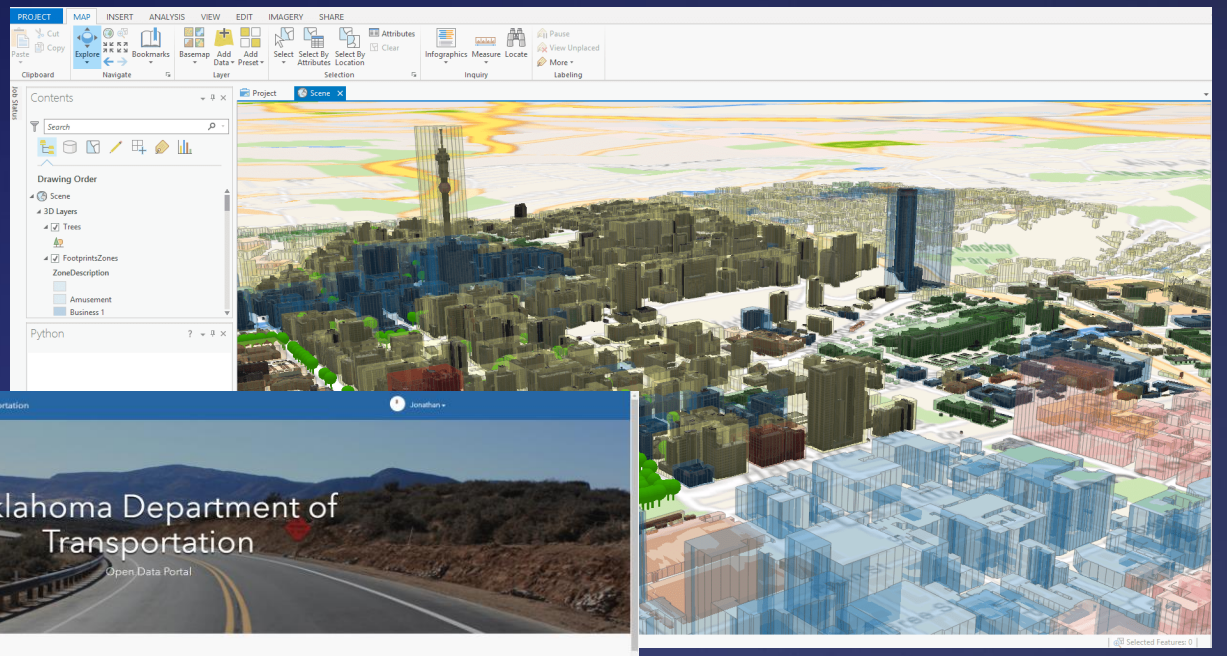


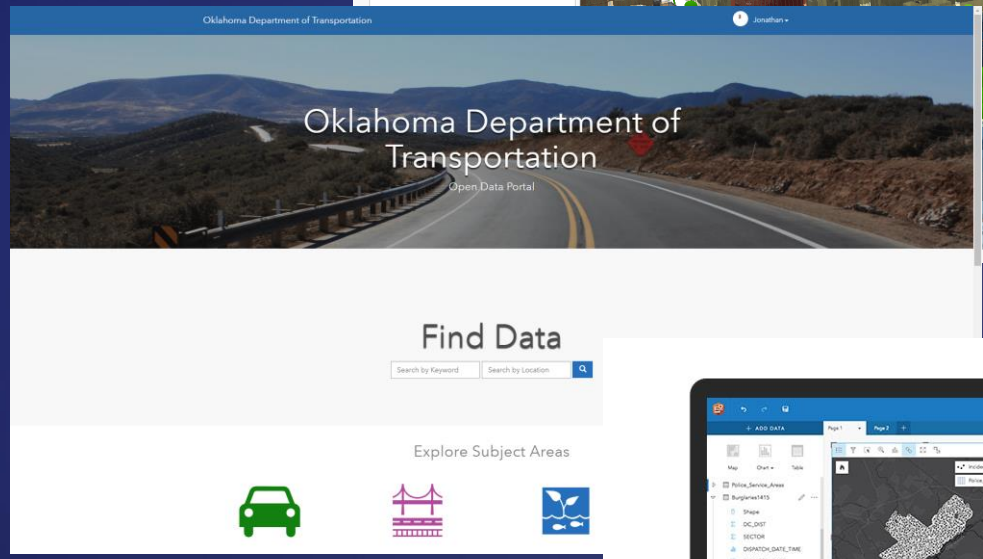


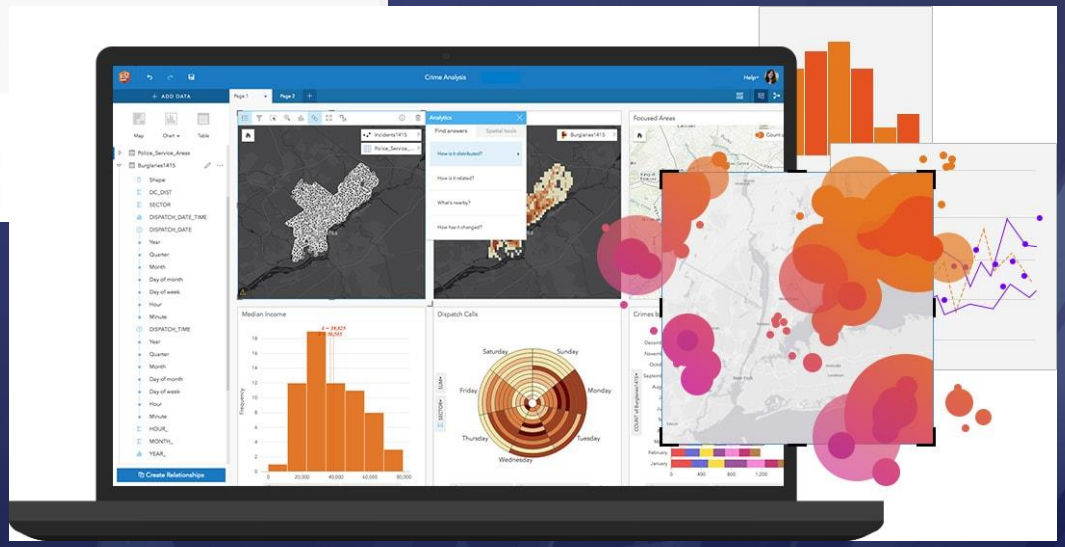
Industry Trends

Discipline-focused Trends

- Modernization
- Public Engagement
- Digital Transformation
- Cross-Collaboration
- Rise of Data Scientists
  - Data Analyst
- Tech-Savvy Executives
- 3D







Common Goals

Every government has similar aspirations

Aspirations get translated into actionable, real-world Initiatives

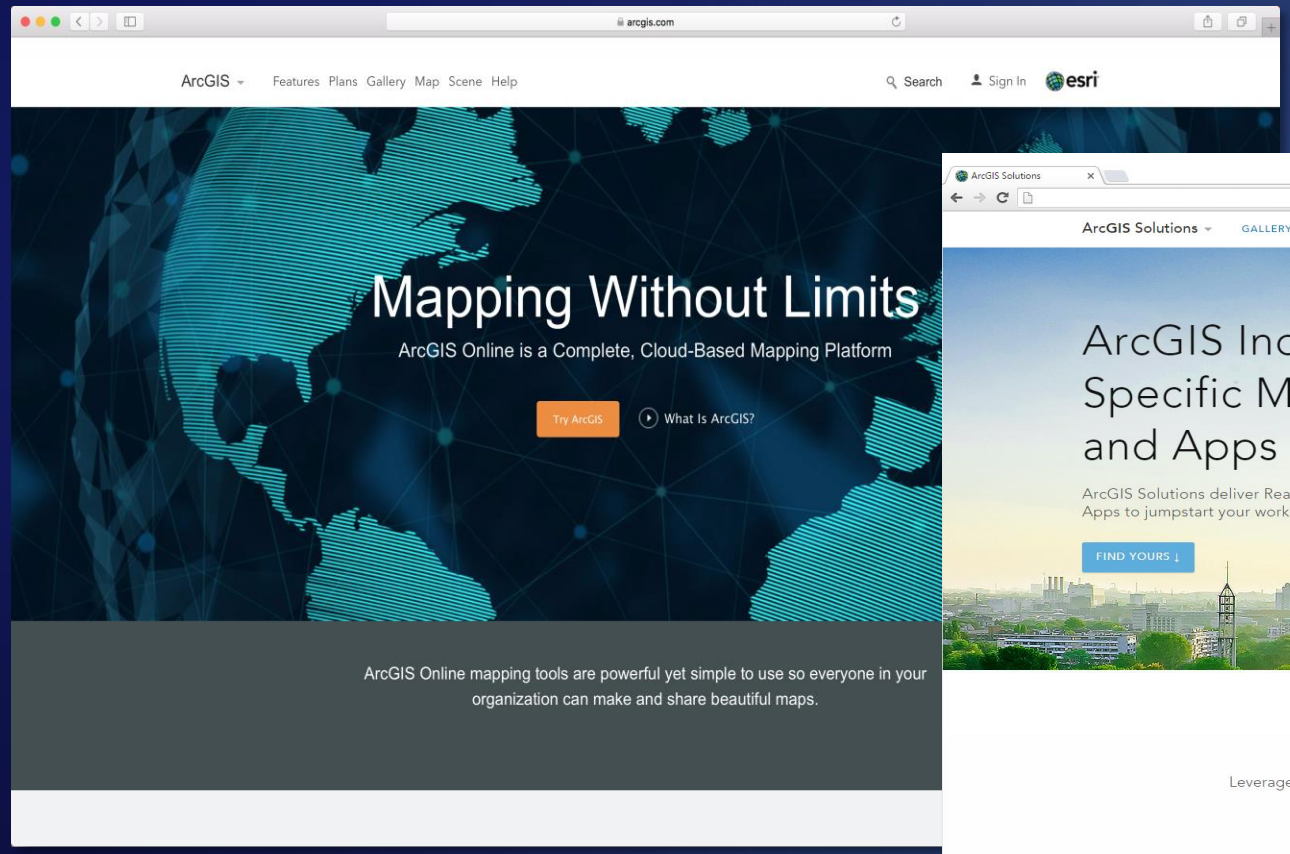
GIS Has Evolved

Your GIS is an Interconnected Platform

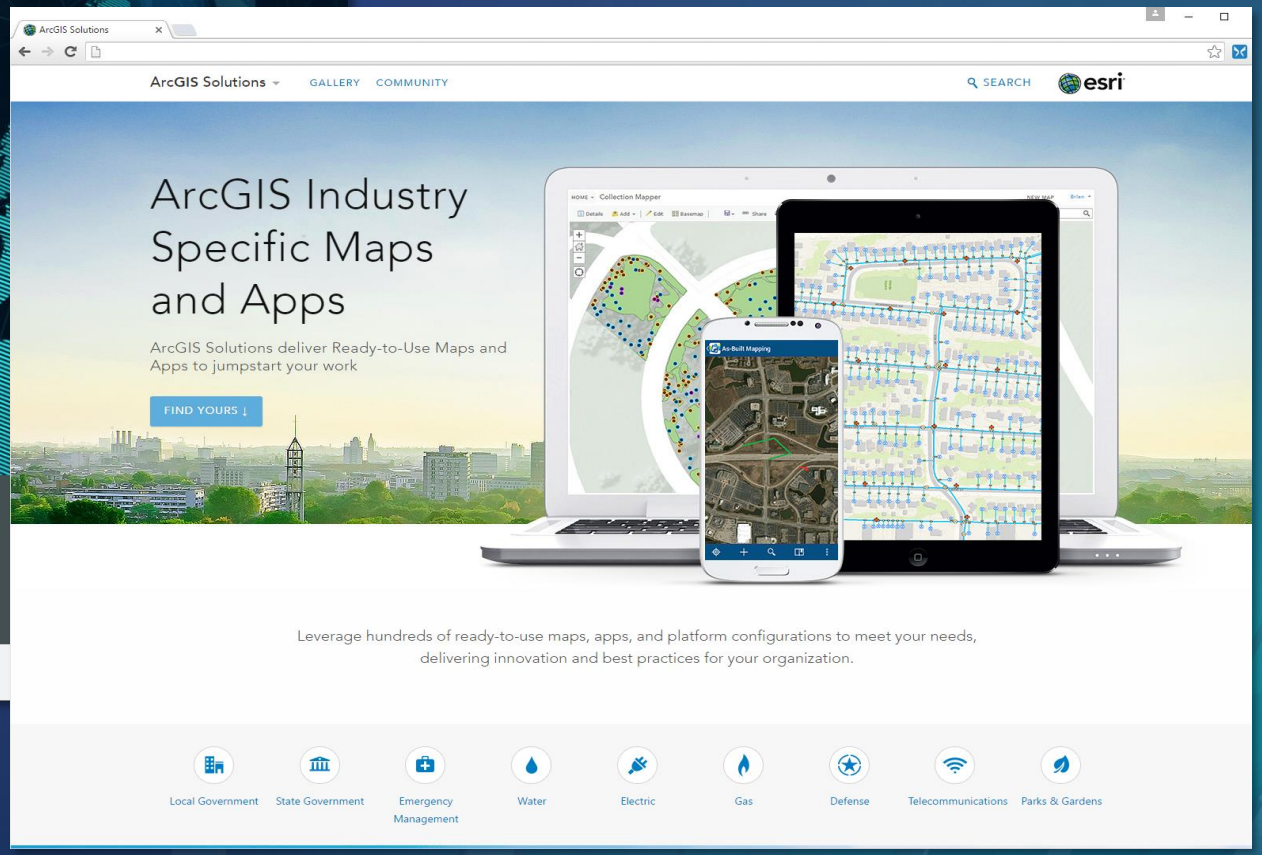
Bringing Together Data, Technology, and People . . .

. . . Creating a Framework for Solving Complex Problems

Turning Point



ArcGIS Online and ArcGIS Enterprise

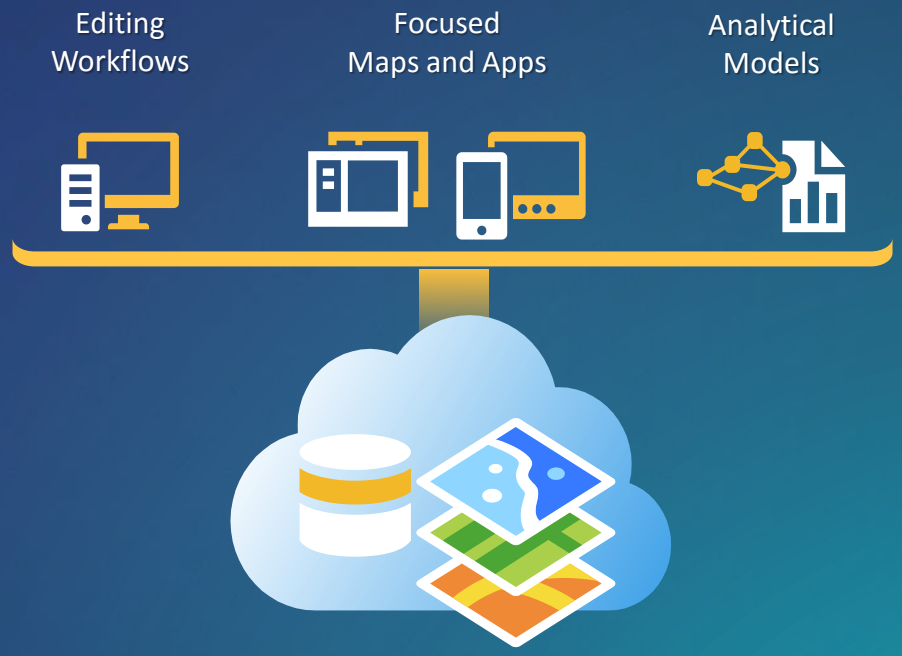


ArcGIS Solutions

ArcGIS Solutions for State & Local Government

Improving government operations & enhancing services provided to the public

- Collection of useful maps and apps
  - Configurable and extensible
  - Included with ArcGIS and fully supported
- Community of users (2000+ Meetup members)
  - Best Practices / Implementation Support
- Network of Esri Services and Partner offerings
  - Help users implement, sustain and enhance



.....Available on-premise or in the cloud

Solutions Mission

- Deliver maps and applications quickly throughout their organization
  - Roadmap for standard capabilities, improve service delivery, expand reach, innovation….
- Stay current with future releases / avoid legacy technology
  - Save time and money, leverage new ArcGIS offerings, focus on complex or unique problems….
- Unlock geospatial platform so it can be leveraged by many
  - Mitigate many organizational challenges, maximize technical expertise….
- Leverage the collective knowledge of the entire community
  - Best practices, industry tradecraft….

State Government

Transportation

Reduce Traffic Fatalities

Inventory ROW Assets

Manage Snow Operations

Inform Public

Pavement Marking Inventory

Railroad Inspection

Signal Inventory

Sign Inventory

Streetlight Inventory

Manage Snow Operations

SnowCOP

Inform the Public

Transportation 511

Road Closures

Public Health

Analyze Birth Outcomes

Conduct Restaurant Inspections

Birth Outcome Briefing

My Health Services

Conduct Restaurant Inspections

Restaurant Inspections

Restaurant Inspection Results

Law Enforcement

Organize Foundational Data

Perform Crime Analysis

Develop Tactical Plans

Inform the Public

Near Repeat Analysis

Develop Tactical Plans

Tactical Operation Planner

Tactical Operation Dashboard

Tactical Operation Surveillance

Inform the Public

Public Crime Map

Neighborhood Crime Reports

Agriculture

Monitor & Report Invasive Pests

Protect Water Quality

Invasive Pest Status

Invasive Pest Surveys

Invasive Pest Viewer

Protect Water Quality

BMP Dashboard

BMP Reports

BMP Surveys

Natural Resources

Engage Citizen Scientists

Monitor Permit Status

Analyze Environmental Impact

Monitor Water Quality

Engage the Public

Analyze Environmental Impact

Environmental Analysis

Environmental Impact Briefing

Environmental Impact Public Comment

Environmental Screening

Monitor Water Quality

Water Quality Inspections

Water Quality Status

Engage the Public

Water Access Locator

Fish and Wildlife

Engage the Public

Wildlife Photo Survey

Wildlife Management Area Locator

Hunting License Locator

Park and Recreation Locator

State Trail Locator

Economic Development

Attract Businesses

Manage Community Events

Incentive Zones

Property Lister

Property Listing Reviewer

Manage Community Events

Events Calendar

Events Permit

Events Permit Review

Events Site Map

Events Coordination

Events Map Gallery

Secretary of State

Share Election Results

Early Voting

Election Polling Places

Election Results

Historical Election Results Gallery

My Elected Representative

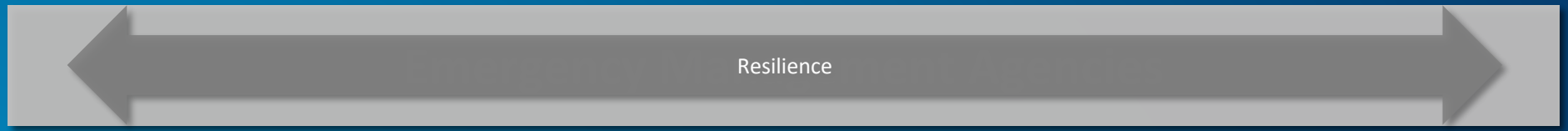
Entire Organization

Organize Foundational Data

Community Addresses

Community Parcels

Public Land Survey Editing



Preparedness

Organize Foundational Data

Prepare for Incidents

Community Addresses

Engage the Public

Manage Community Events

Prepare for Incidents

Flood Planning

Engage the Public

Emergency Assistance

Floodplain Inquiry

My Hazard Information

Manage Community Events

Events Calendar

Events Permit

Events Permit Review

Events Site Map

Events Coordination

Events Map Gallery

Response

Maintain Situational Awareness

Assess Incident Impact

Situational Awareness Viewer

Inform the Public

Produce Emergency Maps

Incident Status Dashboard

Incident Briefing

Road Closures

Assess Incident Impact

CAMEO Tools

Inform the Public

Impact Summary Map

Shelter Locator

Evacuation Zones

Public Information

Produce Emergency Maps

Emergency Management Maps

Recovery

Conduct Damage Assessments

Collect Health & Safety Reports

Photo Survey

Manage Storm Damage

Citizen Reports

Public Safety Reports

Health & Safety Reports

Health & Safety Dashboard

Manage Storm Debris

Debris Reporting

Mitigation

Assess Vulnerabilities

Hazard Assessment & Analysis

Hazard Vulnerability Assessment

Community Mitigation

Mitigation Feedback

Resilience

Become More Resilient

Community Resilience

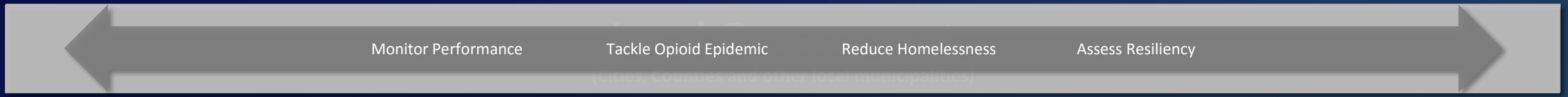
Community Resilience Surveys

Community Impact

Resilience Dashboard

Resilience Outreach

Community Impact Dashboard



Elections

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

Land Records

Manage Assessment Roll

Determine Property Value

Respond to Appeals

Inform Public
- Tax Map Book
- Community Parcels

Determine Property Value
- Value Analysis Dashboard
- Tax Reverted Properties

Respond to Appeals
- Property Tax Assessment Appeal

Inform the Public
- Tax Parcel Viewer
- My Tax Distribution
- School Locator
- Residential Comp Finder

Public Health

Address Opioid Epidemic

Reduce Homelessness
- 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

Reduce Homelessness
- Homeless Point-in-Time Counts
- Homeless Service Locator
- Homeless Activity Reporter

Law Enforcement

Organize Foundational Data

Perform Crime Analysis

Develop Tactical Plans

Inform the Public
- Near Repeat Analysis

Develop Tactical Plans
- Tactical Operation Planner
- Tactical Operation Dashboard
- Tactical Operation Surveillance

Inform the Public
- Public Crime Map
- Neighborhood Crime Reports

Fire Service

Improve Fire Operations

Develop Pre-Incident Plans

Increase Fire Prevention

Respond to Emergencies
- AED Locator
- AED Inventory

Develop Pre-Incident Plans
- Target Hazard Analysis
- Pre-Incident Plan Coordinator
- Pre-Incident Plan Field Inventory
- Pre-Incident Plan Dashboard
- Pre-Incident Plan Locator

Increase Fire Prevention
- Fire Safety Survey

Respond to Emergencies
- Emergency Assistance
- Warming/Cooling Center Locator
- Warming/Cooling Center Reporter

Public Works

Maintain Public Road Network

Promote Public Parking

Reduce Traffic Fatalities

Engage the Public

Respond to Emergencies

Maximize Capital Investments

Reduce Traffic Fatalities
- Crash Analysis
- High Injury Network Locator
- Vision Zero
- Fatal and Serious Crash Dashboard

Engage the Public
- Citizen Problem Reporter
- My Trash Services
- Adopta

Respond to Emergencies
- Flood Planning
- SnowCOP

Maximize Capital Investments
- Capital Improvement Plan
- Capital Project Dashboard
- Capital Project Journals
- Capital Project Locator
- Capital Project Plans
- Capital Project Reports
- Capital Project Review
- External Agency Projects
- Pavement Moratoriums
- Participatory Budgeting

Inventory ROW Assets

Manage Mosquito Populations

Manage ROW Activities
- Street Tree Inventory
- Bridge Inventory
- Sidewalk Inventory
- Pavement Marking Inventory
- Guardrail Inventory
- Street Furniture Inventory
- Railroad Crossing Inventory
- Traffic Calming Inventory
- Street Intersection Inventory
- Cycling Infrastructure Inventory

Manage Mosquito Populations
- Mosquito Adulticide Planning
- Mosquito Field Observations
- Mosquito Health Concerns
- Mosquito Larvicide Reporting
- Mosquito Population Surveillance
- Mosquito Service Request
- Mosquito Spray Areas
- Mosquito Spray Exclusions

Manage ROW Activities
- ROW Permit
- ROW Permit Manager
- ROW Permit Dashboard
- ROW Permit Review
- ROW Permit Locator
- ROW Permit Public Comment

Planning and Development

Manage Address Information

Promote Vibrant Communities

Manage Community Events

Visualize Proposed Developments
- Address Crowdsourcing
- Administrative Area Data Management

Promote Vibrant Communities
- Site Selector
- Land Use Inquiry
- Floodplain Inquiry
- Incentive Zones
- My Neighborhood Services

Manage Community Events
- Events Calendar
- Events Permit
- Events Permit Review
- Events Site Map
- Events Coordination
- Events Map Gallery

Visualize Proposed Developments
- Local Government 3D Scenes
- 3D Public Survey
- Visualize Proposed Developments
- Visibility Assessment
- Calculate Solar Radiation
- Shadow Impact Analysis

Stabilize Neighborhoods

Engage Public
- Neighborhood Early Warning
- Blight Status
- Demolition Tracker
- Mortgage Counseling Locator
- Code Violation

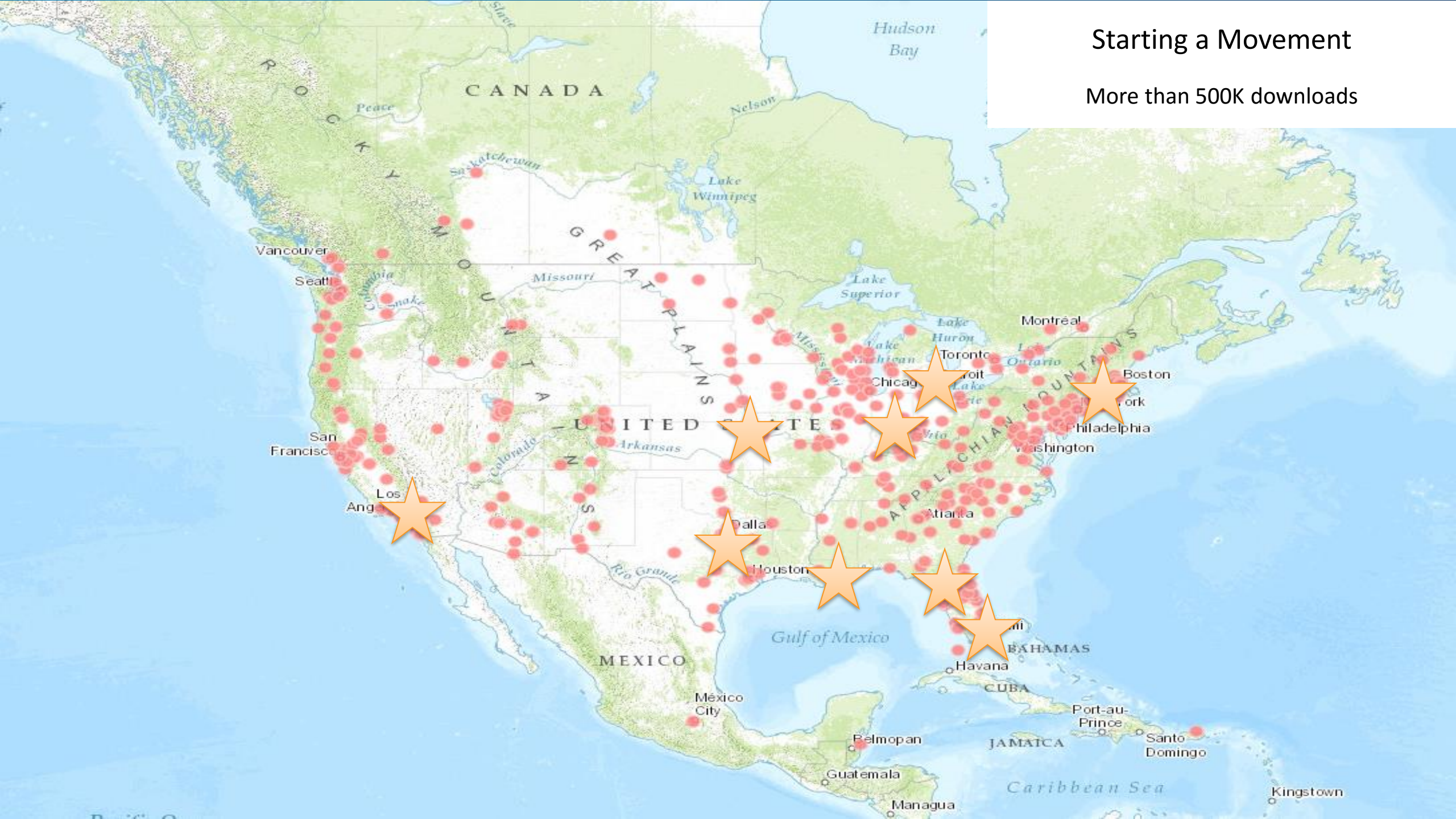
Engage Public
- Construction Activity Tracker
- Park Locator
- Public Comment
- Public Notification
- Photo Survey

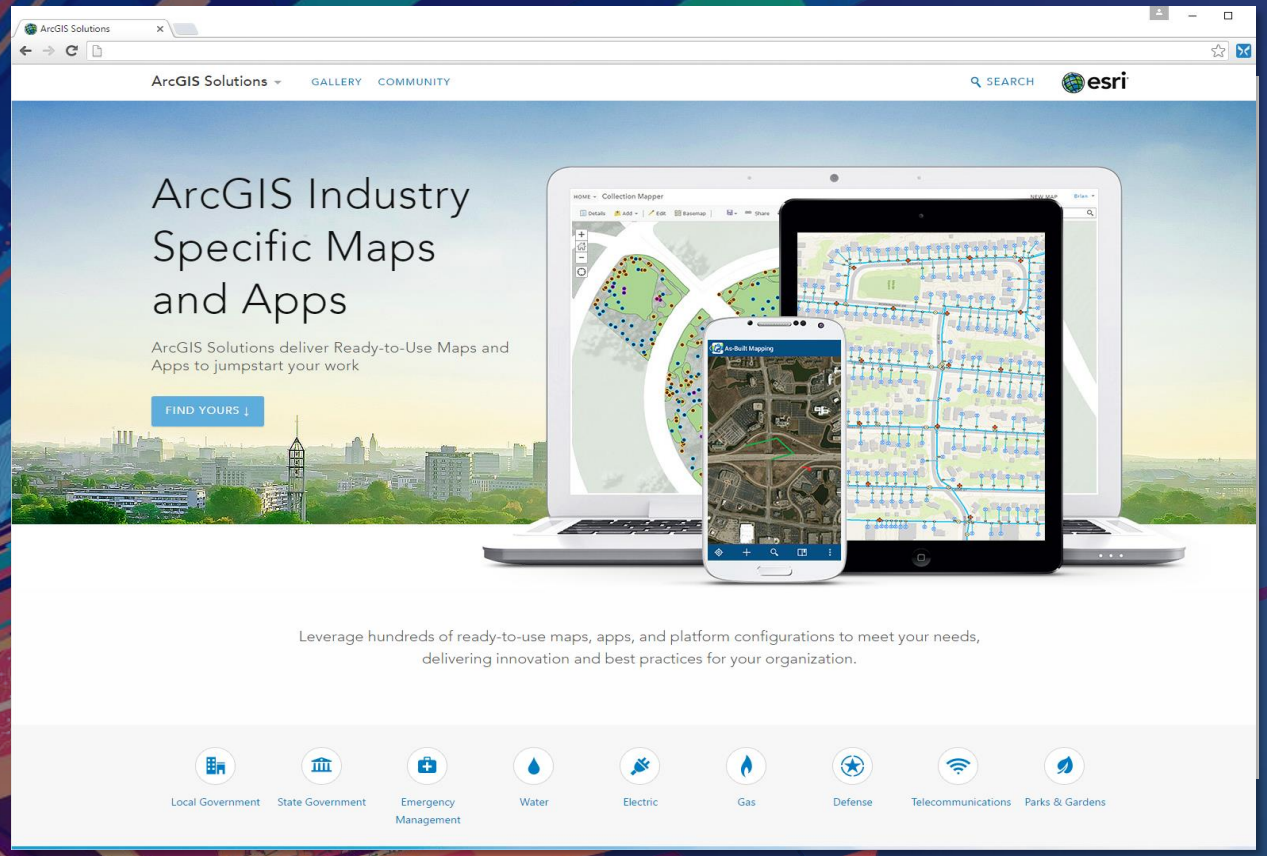
Entire Organization

Performance Management
- Performance Management

Starting a Movement

More than 500K downloads



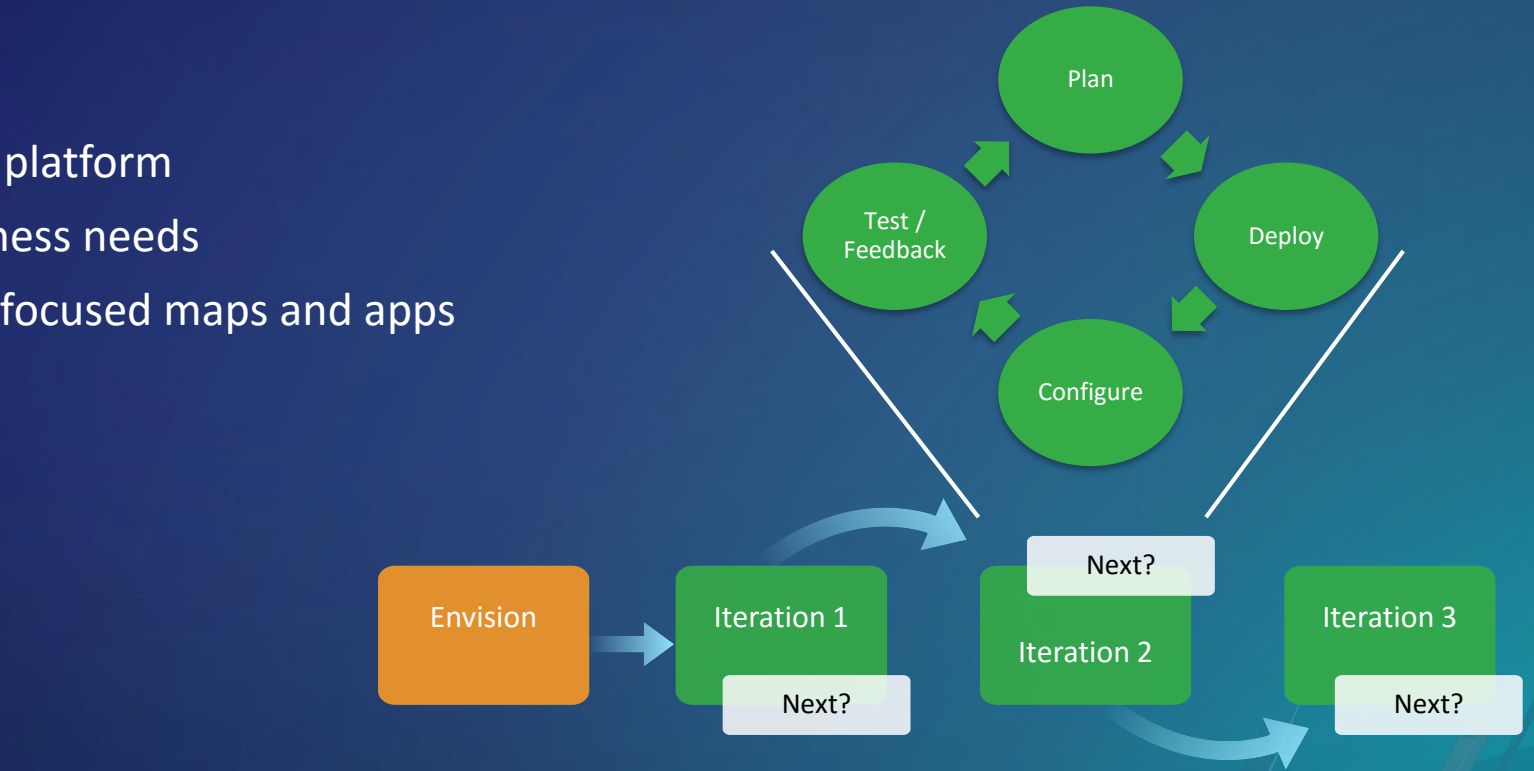

ArcGIS Solutions
GALLERY
COMMUNITY
SEARCH
esri
ArcGIS Industry Specific Maps and Apps
ArcGIS Solutions deliver Ready-to-Use Maps and Apps to jumpstart your work
FIND YOURS
Leverage hundreds of ready-to-use maps, apps, and platform configurations to meet your needs, delivering innovation and best practices for your organization.
Local Government
State Government
Emergency Management
Water
Electric
Gas
Defense
Telecommunications
Parks & Gardens

Show Me!

How do I get started?

Leverage solution offerings to maximize technical expertise and minimize deployment time

- Deploy quick wins
  - Configure your mapping platform
  - Align with strategic business needs
  - Implement one or more focused maps and apps
  - Organize your data
  - Iterate….

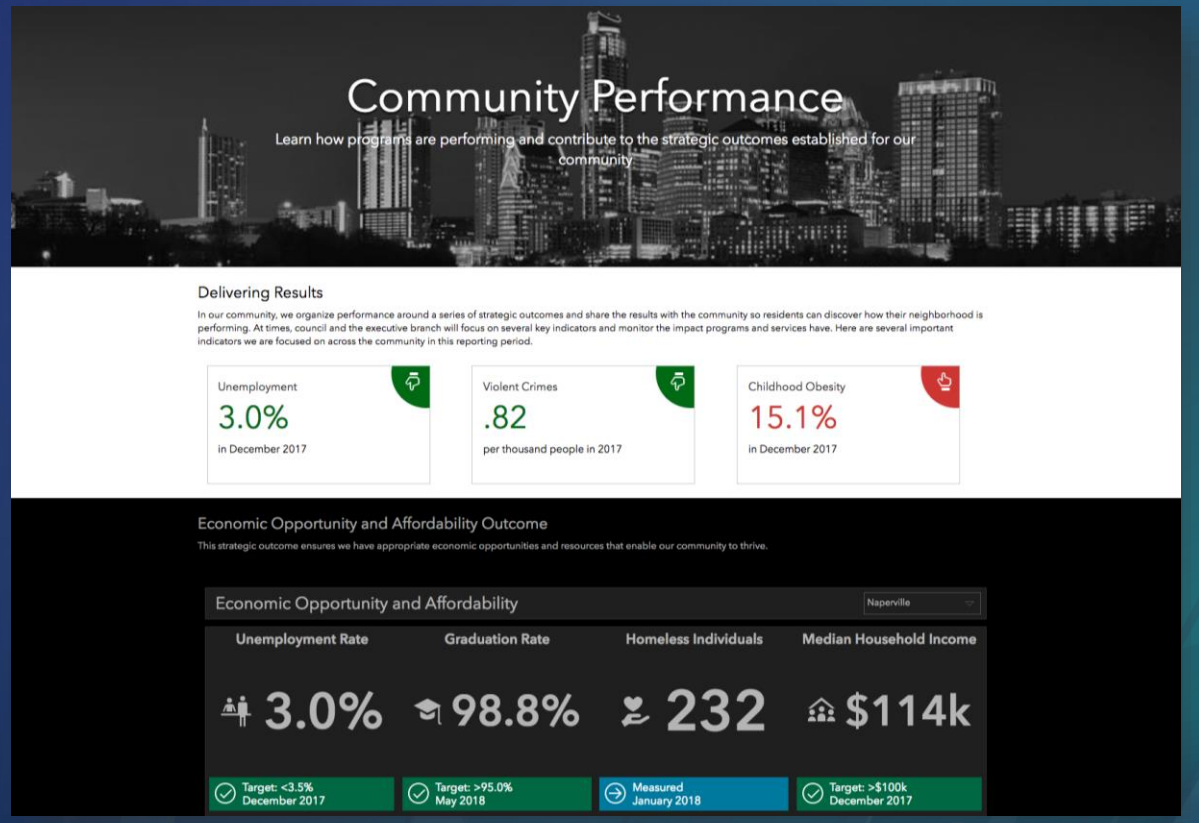


…embrace an agile implementation approach

What's New

- New offerings that support strategic initiatives like
  - Performance Management
  - Neighborhood Revitalization
  - Crime Analysis
  - Redistricting
  - Assessment, Tax & Land Records

- Enhancements to existing offerings
  - Public Engagement
  - 3d Basemaps
  - Fire / Law Incident Dashboards

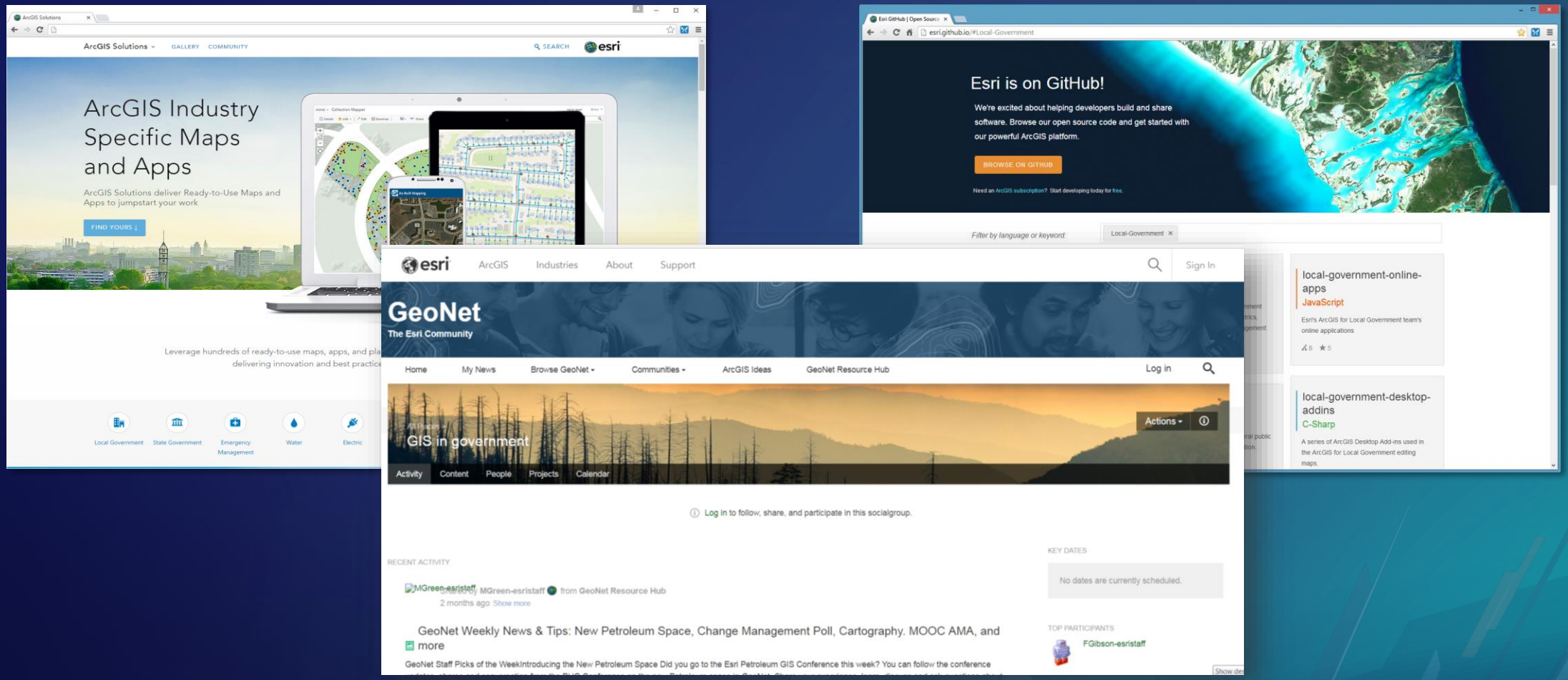


Late 2018/ 2019 Priorities

- DNR Workflows
  - Inspection Workflows
    - Boat Ramp Inspections
    - Dam Inspections
    - Angler Surveys
  - R3 Initiatives
- Agriculture
  - Water Policy Analysis
    - Water Quality Impact
      - Reporting Workflows
      - Enrollment Reporting - EPA
    - Enrollment Analysis
  - Add’l Agriculture Inspection Workflows
- Continue modernizing Solutions
- Re-write our AWAB Solutions to work on JS 4.x API

The Community

It's not just about the technology



Esri/OMES Master Purchase Agreement (MPA) ITSW1016-ESRI

- Contract Period: 05/21/2018 -- 05/21/2019
- Agreement Period: 05/22/2015 -- 05/21/2022
  - ESRI MPA Price List, E416SHM
  - All Esri Software @ 10% off list price
  - Includes:
  - Training & Coaching
  - Premium Support & Jumpstart and Workshop Packages (pre-defined services)
    - Esri Enterprise Advantage Program (EEAP)

- Professional Services Task Order Provision
- Custom Software, Technical Data
- Attachment A - Sample Task Order
- Attachment B - Time & Materials Rate Schedule
  - Pre-negotiated rates for services projects

https://www.ok.gov/dcs/solicit/app/solicitationDetail.php?conID=1983

Thank you

Be innovative, aware, and know you are not alone

- http://www.esri.com/software/arcgis/arcgis-for-state-government
- http://esri.github.com
- Jon Doherty: jdoherty@esri.com
- Joseph “Brig” Bowles: jbowles@esri.com

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