



Natural Resource Solutions for State Government

Mike Dagle

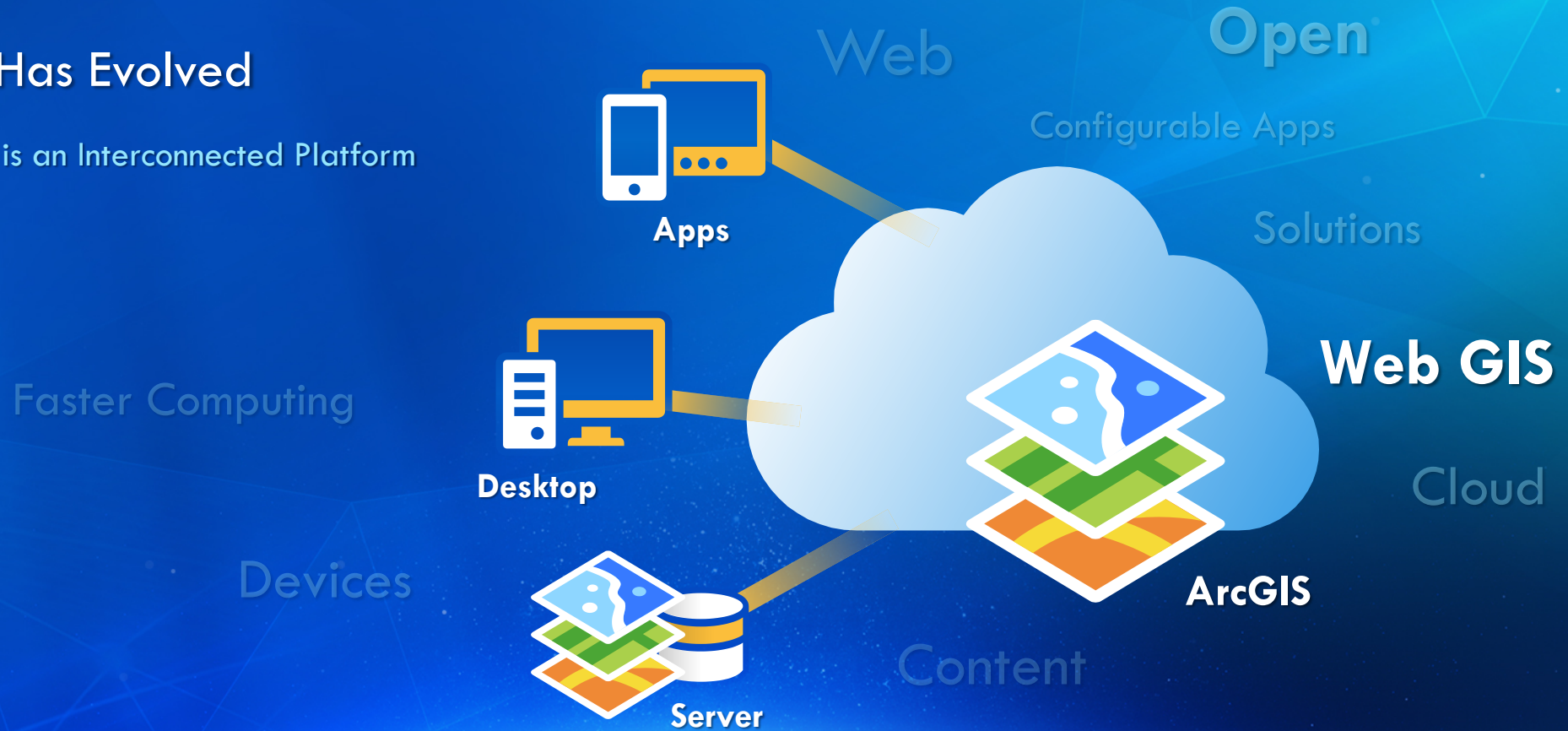
Scott Oppmann

2020 Esri Midwest User Conference



GIS Has Evolved

Your GIS is an Interconnected Platform



Bringing Together Data, Technology, and People . . .

. . . Creating a Framework for Solving Complex Problems

Challenges

- Streamline and coordinate field operations (data collection and monitoring)
- Increase data analysis
 - So much time spent on field operations, this suffers
- Effective reporting workflows
- Educate and engage the public



ArcGIS Solutions | State and Local Government

- Collection of useful maps and apps

Configurable and extensible

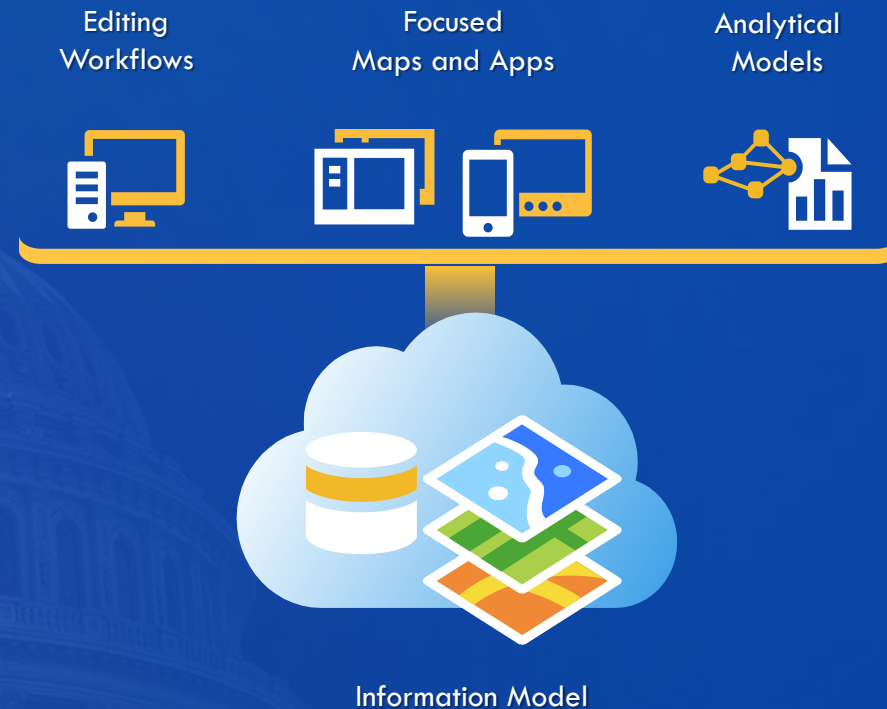
Freely available and fully supported

- Community of users

Best Practices / Implementation Support

- Network of Esri Services and Partner offerings

Help users implement, sustain and enhance



...Improving government operations and enhancing services provided to the public

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 |
| Crash Risks Briefing |
| Inventory ROW Assets |
| Sign Inventory |
| Signal Inventory |
| Streetlight Inventory |
| 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 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 |

| Agriculture |
|---------------------------------|
| Monitor & Report Invasive Pests |
| Protect Water Quality |
| Invasive Pest Status |
| Invasive Pest Surveys |
| Invasive Pest Viewer |
| Protect Water Quality |
| BMP Dashboard |
| BMP Surveys |

| Natural Resources |
|-------------------------------------|
| Engage Citizen Scientists |
| Monitor Permit Status |
| Analyze Environmental Impact |
| Monitor Water Quality |
| Engage the Public |
| Evaluate Dam Safety |
| Monitor Conservation Areas |
| Environmental Impact Briefing |
| Environmental Impact Public Comment |
| Environmental Screening |
| Monitor Water Quality |
| Water Quality Inspections |
| Water Quality Status |
| Engage the Public |
| Water Resource Locator |
| Evaluate Dam Safety |
| Dam Safety |
| Dam Inspection Assignments |
| Dam Inspection Survey |
| Dam Inspection Dashboard |
| Monitor Conservation Areas |
| Conservation Easement Monitoring |

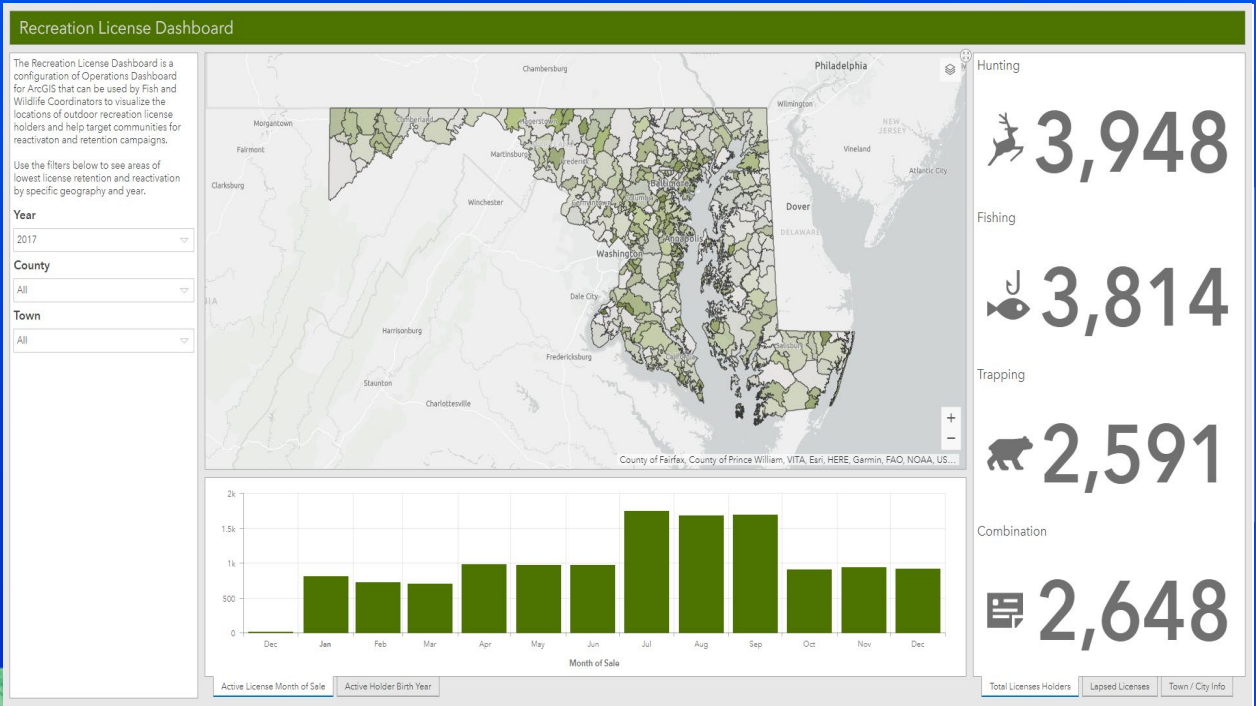
| Fish and Wildlife |
|-----------------------------|
| Engage the Public |
| Manage Protected Areas |
| Wildlife Resource Locator |
| Recreation License Locator |
| Recreation License Outreach |
| Park Locator |
| State Trail Locator |
| Manage Protected Areas |
| Protection Operations |
| Conservation Outreach |
| Wildlife Management |

| Economic Development |
|-------------------------|
| Attract Businesses |
| Manage Community Events |
| Incentive Zones |
| Property Lister |
| Manage Community Events |
| Events Calendar |
| Events Permit |
| Events Permit Review |
| Events Site Map |
| Events Coordination |
| Events Map Gallery |

| Secretary of State |
|--------------------------------|
| Conduct Election Outreach |
| Manage Election Activities |
| Share Election Results |
| Election Data Management |
| Manage Election Activities |
| Election Assistant |
| Voter Satisfaction Survey |
| Election Manager |
| Election Performance Dashboard |
| Share Election Results |
| Election Results |

| Entire Organization |
|----------------------------|
| Organize Foundational Data |
| Performance Management |
| Community Parcels |
| Public Land Survey Editing |
| Performance Management |
| Performance Management |





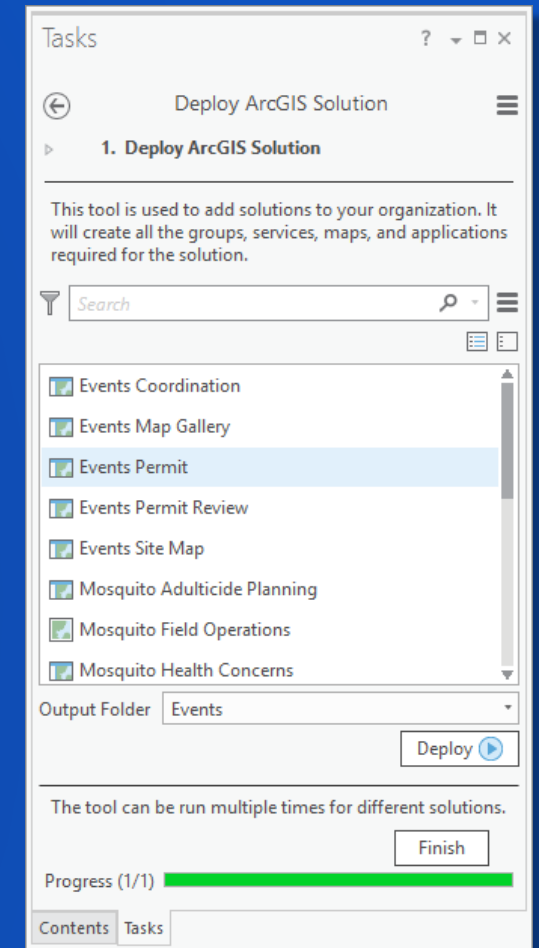
Show Me!



Simple Deployment Approach

ArcGIS Solutions Deployment Tool

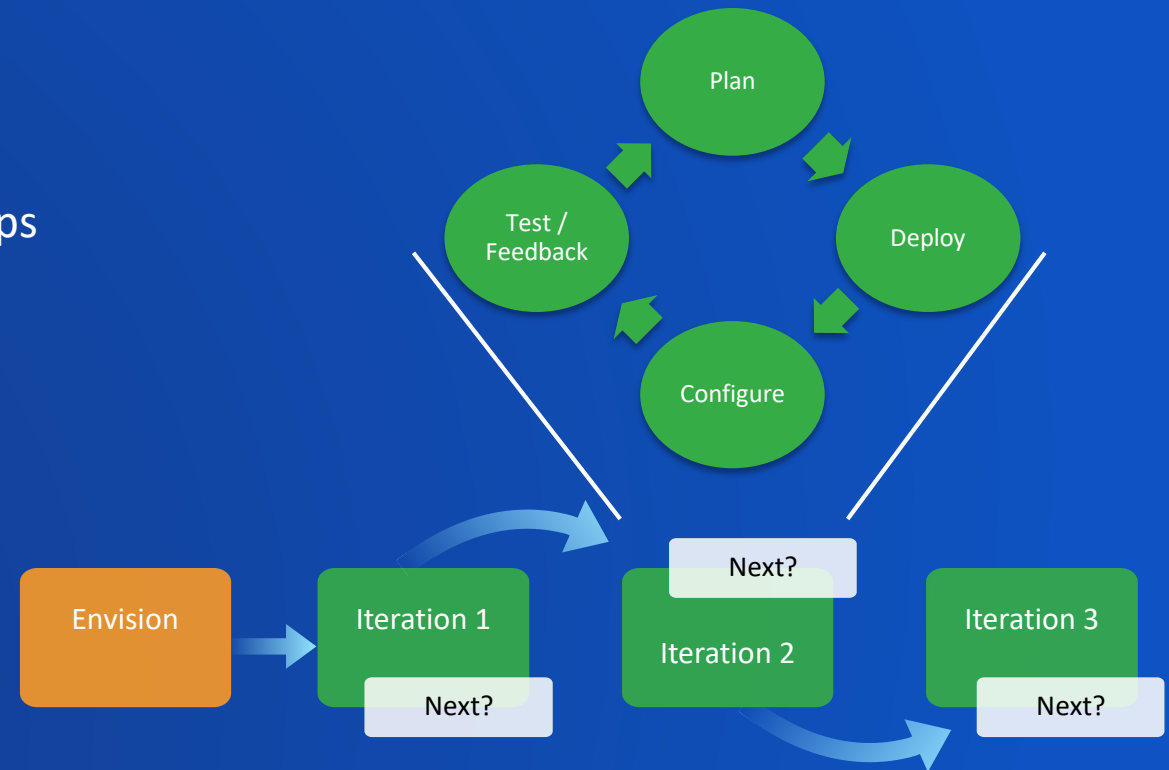
- ArcGIS Pro Add-in
 - Discover, deploy and configure solutions in an ArcGIS Organization
- Help users:
 - Discover solution offerings available
 - Deploy the services, maps, and configurable apps
 - One, or more, solution offerings
 - Without sample data
 - Configure the solution to meet their specific needs
 - Add fields
 - Modify field domains and aliases
 - Load data (if required)



How do I get started?

Leverage solution offerings to maximize technical expertise and minimize deployment time

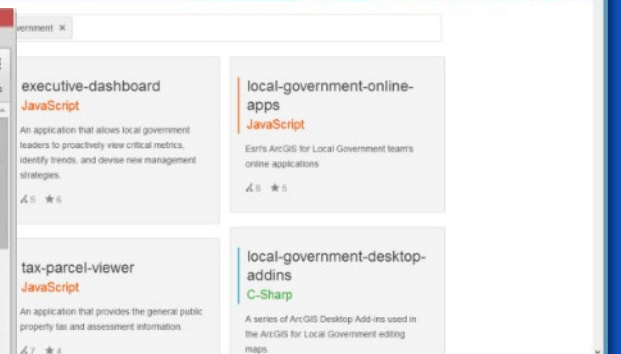
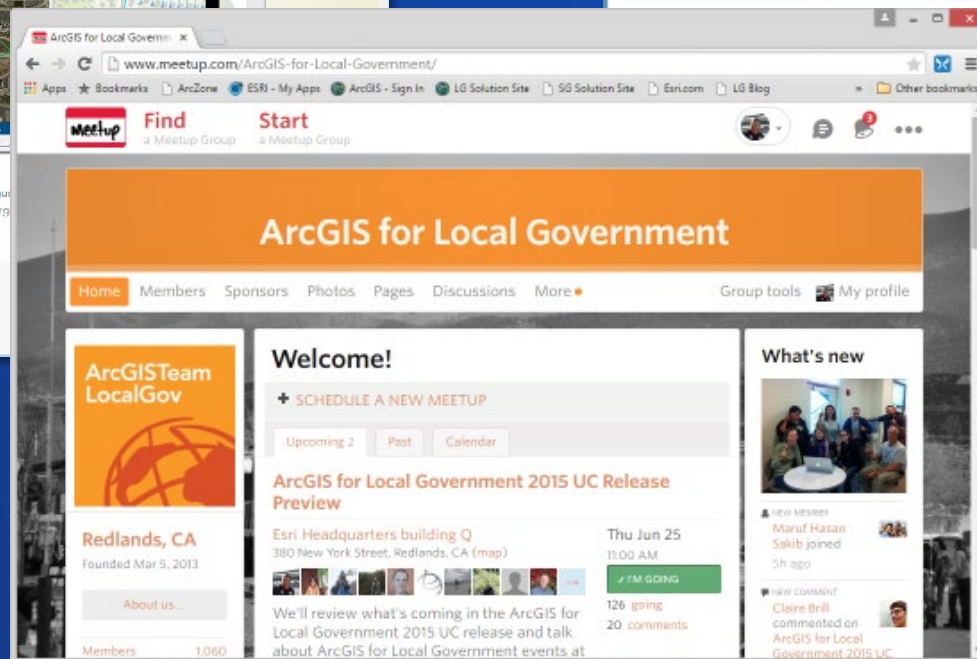
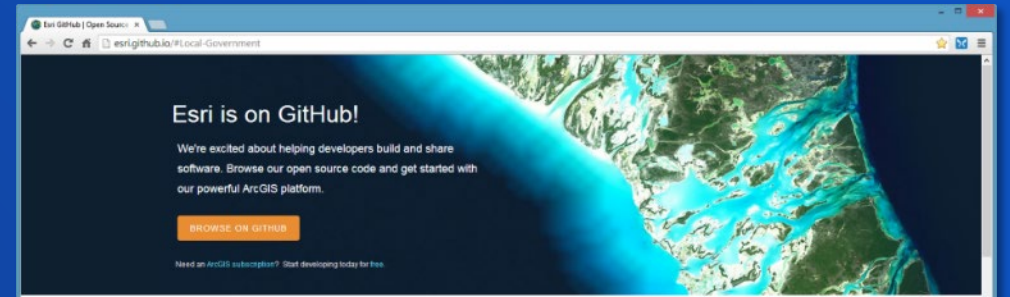
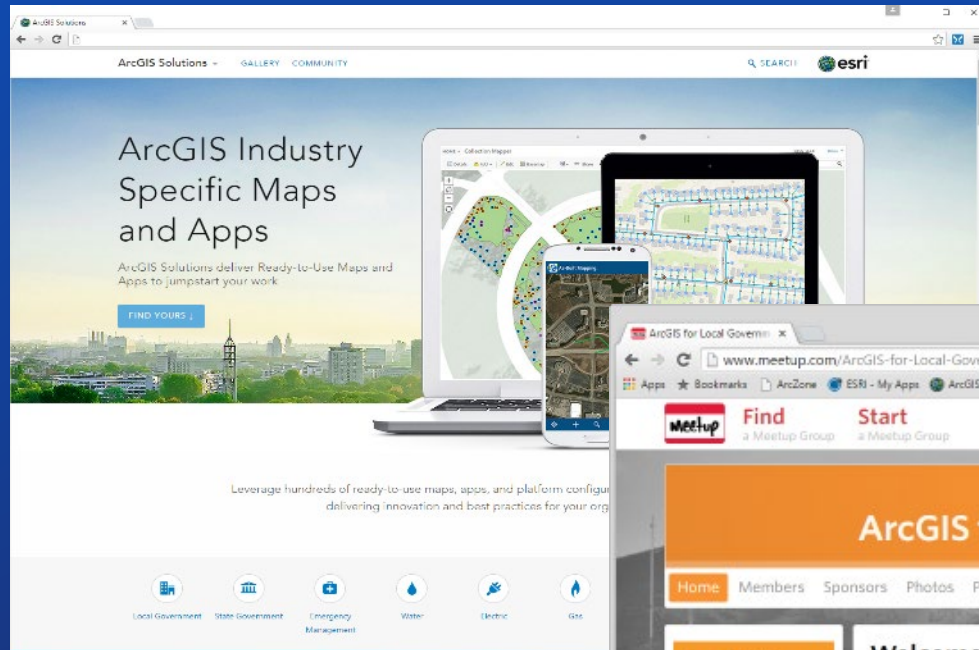
- Deploy quick wins
 - Configure your mapping platform
 - Align with strategic business needs
 - Implement one or more focused maps and apps
 - Organize your data
 - Iterate....



...embrace an agile implementation approach

The Community

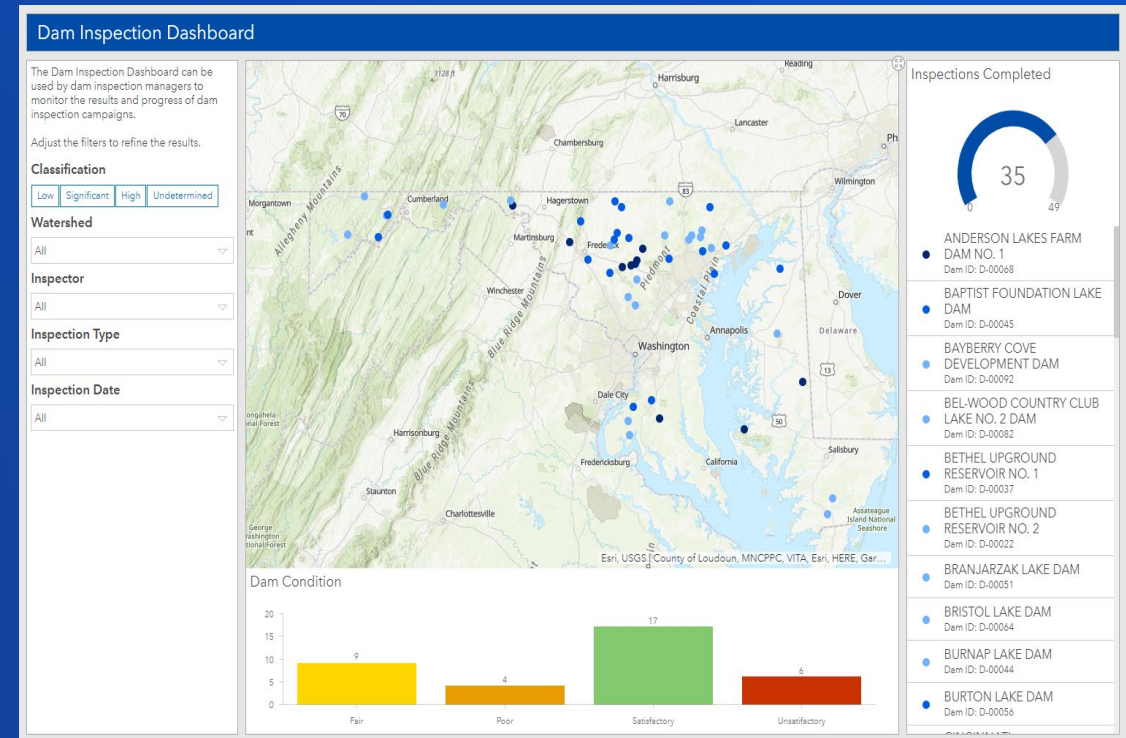
It's not just about the technology



Road Ahead

Continuously Evolving Solution Offering

- New Solutions
 - Forest Legacy
 - Trails (part of larger R3 effort)
- Updating Solutions
 - Monitor Invasive Pests
 - Best Management Practices
- ArcGIS Hub Initiatives
 - Increase Recreation Participation (R3)



Closing

- Deliver solutions that enable your success
 - Easy to deploy and sustain
- Evolve and grow the collection of solutions
- Engage the user community
- Provide a foundation for partners
 - Enable organizations, deploy additional solutions



Thank you

Be innovative, aware, and know you are not alone

 <http://solutions.arcgis.com/>

 <http://meetup.com/ArcGIS-for-Local-Government/>

<http://meetup.com/ArcGIS-for-State-Government/>

 @ArcGISLocalGov

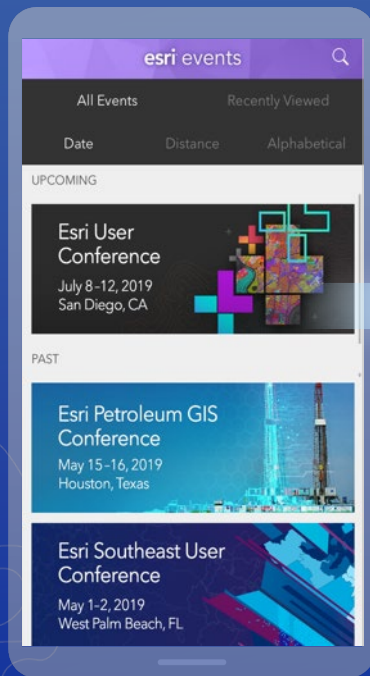
@ArcGISStateGov

 <http://esri.github.com>

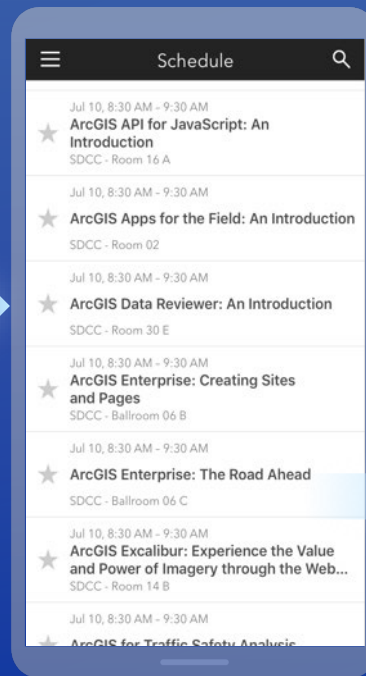


Please Share Your Feedback in the App

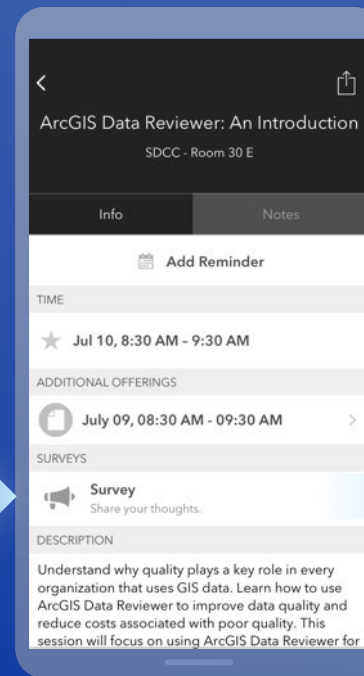
Download the Esri Events app and find your event



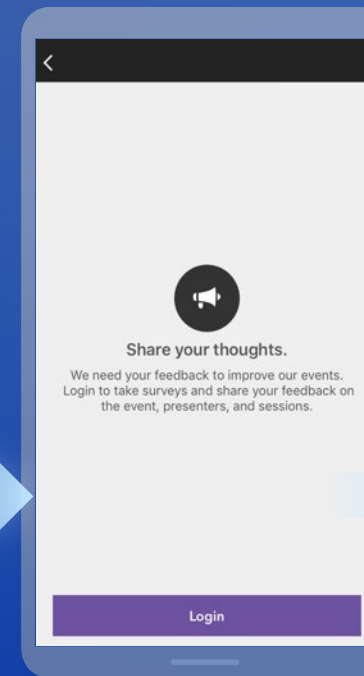
Select the session you attended



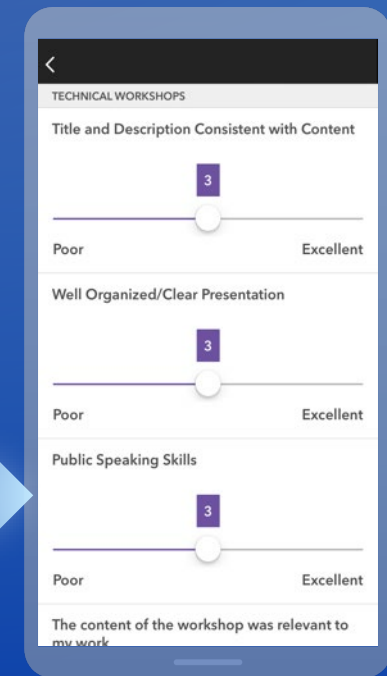
Scroll down to "Survey"



Log in to access the survey



Complete the survey and select "Submit"





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OF
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