

Agenda

Introduction

Solution Offering

What's Next

Your Feedback

ArcGIS as a Platform

Simple, Open, and Configurable



EXTENDING THE PLATFORM WITH SOLUTIONS

Ready to use workflows and apps that make implementation easier and sustainable.





ArcGIS for Emergency Management

ALIGNING OUR DEVELOPMENT TO SUPPORT EMERGENCY MANAGEMENT

Providing solutions that address the needs of the four phases

Mitigation

- Hazard Analysis
- Vulnerability Assessment
- Infrastructure Work
- Public Education

Recovery

- Economic Recovery
- Debris Management
- Housing
- Health and Social Services



Preparedness

- Emergency Response
- Planning
- Training and Exercises
- Partnership Building

Response

- Life Safety
- Incident Stabilization
- Evacuations and Shelters
- Mass Care

Our Mission > To help you...



Emergency Management – June 2017

Mitigation Hazard Assessment and Analysis Hazard Vulnerability Analysis Mitigation Dashboard Mitigation Plan Status

Resilience Community Resilience Resilience Outreach Resilience Dashboard Flood Planning Community Events CAMEO Tools Emergency Assistance Evacuation Zones My Hazard Information Floodplain Inquiry Community Parcels Community Addresses

Response **Emergency Management Maps Impact Summary Map Public Information Map Road Closures Incident Briefing Citizen Reports Health & Safety Reports Debris Reporting Common Operational Picture Situation Awareness Viewer Operations Response Logistics Planning Incident Status Dashboard** Citizen Service Request **Photo Survey Shelter Locator**

Photo Survey Health and Safety Reports Debris Reporting Community Parcels Community Addresses Crowdsource Manager Crowdsource Reporter Map and App Gallery

Emergency Management – June 2017

Preparedness Mitigation Resilience Response Recovery **Community Resilience** Flood Planning Emergency Management Maps **Damage Assessment ArcGIS Online for** Hazard Assessment and **Emergency Management** Analysis Resilience Outreach Community Events **Impact Summary Map Photo Survey Community Parcels** Hazard Vulnerability Resilience Dashboard **CAMEO Tools Public Information Map Health and Safety Reports Analysis Emergency Assistance Road Closures Debris Reporting Community Addresses** Mitigation Dashboard **Evacuation Zones Incident Briefing** Mitigation Plan Status My Hazard **Citizen Reports Crowdsource Manager** Information **Health & Safety Reports Crowdsource Reporter** Floodplain Inquiry **Debris Reporting Community Parcels Common Operational Picture** Map and App Gallery **Community Addresses** Situation Awareness Viewer Operations Response **Logistics Planning Incident Status Dashboard** Citizen Service Request **Photo Survey Shelter Locator**

Entire Organization

What's New/Updated

Disaster Resilience

...the power or ability to return to the original form...

NOAA

- Explore Hazards
- Assess Vulnerability and Risks
- Investigate Options
- Prioritize Plans
- Take Action

State of Colorado

- Educate and Engage
- Risk and Vulnerability
 Assessment Tools
- Local Resiliency Strategies
- Colorado Community Resiliency Partnership
- Mapping and Land Use Tools
- Develop State and Local Indicators

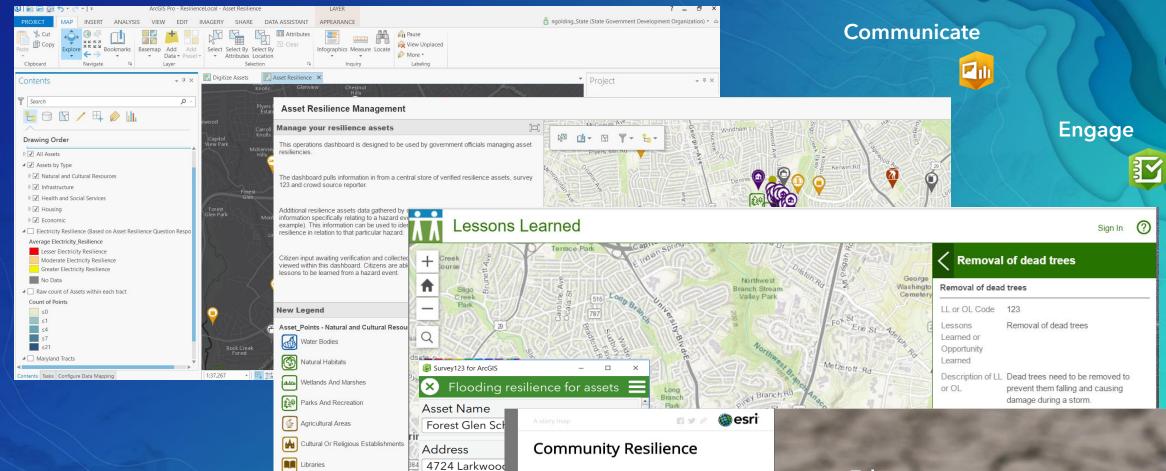
City of Boulder

- Connect and Prepare
 - Assess Economic Strength
 - Incentivize Businesses
 - Develop Impact Assessment Strategies
- Partner and Innovate
 - Create Citizen Science Strategy
 - Ensure Food System Resilience
 - Make Data Accessible
 - Crowd Source Solutions
- Transform and Integrate
 - Create Community Resilience Centers
 - Foster Climate Readiness
 - Build Sustainability
 Framework
 - Embed Resilience in Comprehensive Plan
 - Green Infrastructure and Ecosystem Management

Disaster Resilience Solutions







Colorado Office of Resiliency NY Department of State **Coastal Resiliency Commission** City of Boulder FERNLeaf/NEMAC

Resilience can be defined as "The ability to prepare

and plan for, absorb, recover from, and more successfully adapt to adverse events." (National Academies of Sciences, 2012).

The aim of the community resilience template is to collate and present resilience information relevant to your jurisdiction(s). This information can then be assessed alongside hazards and vulnerability data.

4724 Larkwood

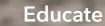
Location

© Esri contributors

Asset Class

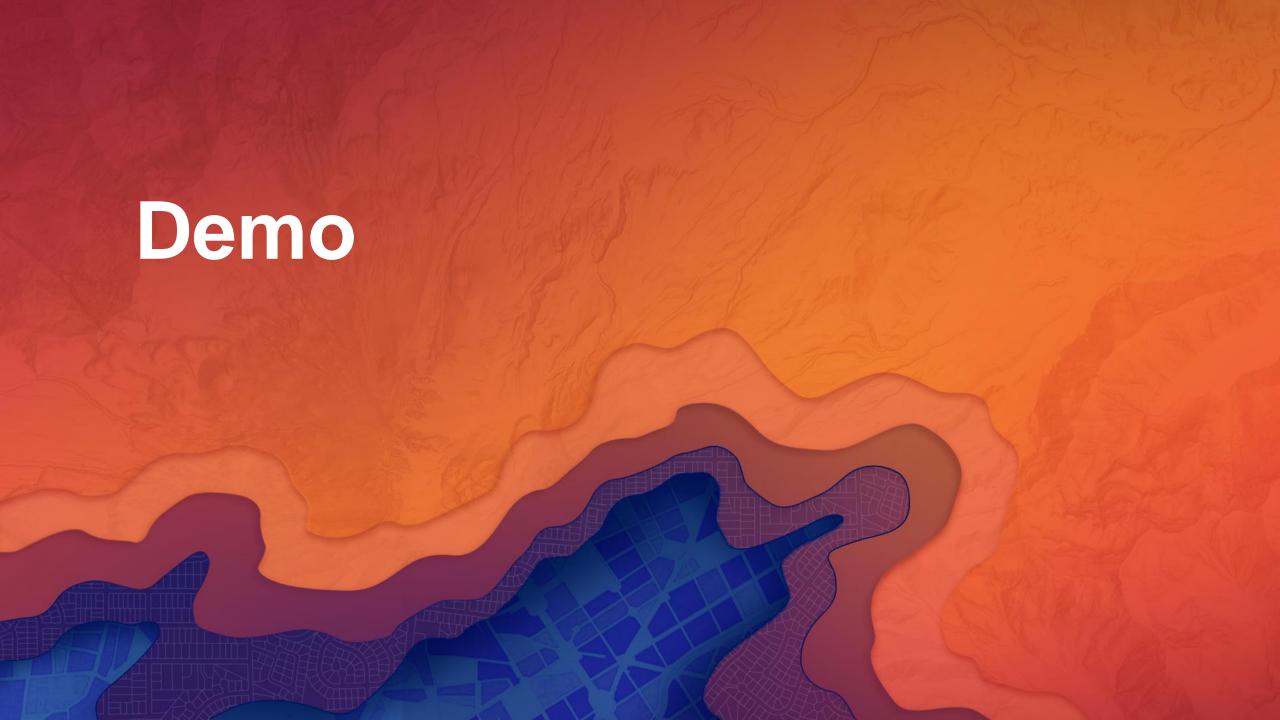
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Note: Data and analysis is notional





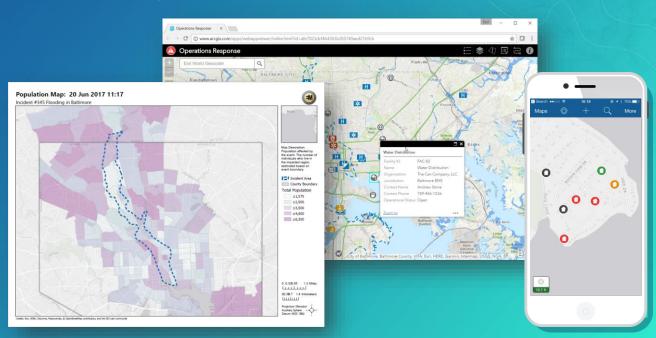




Emergency Management Maps

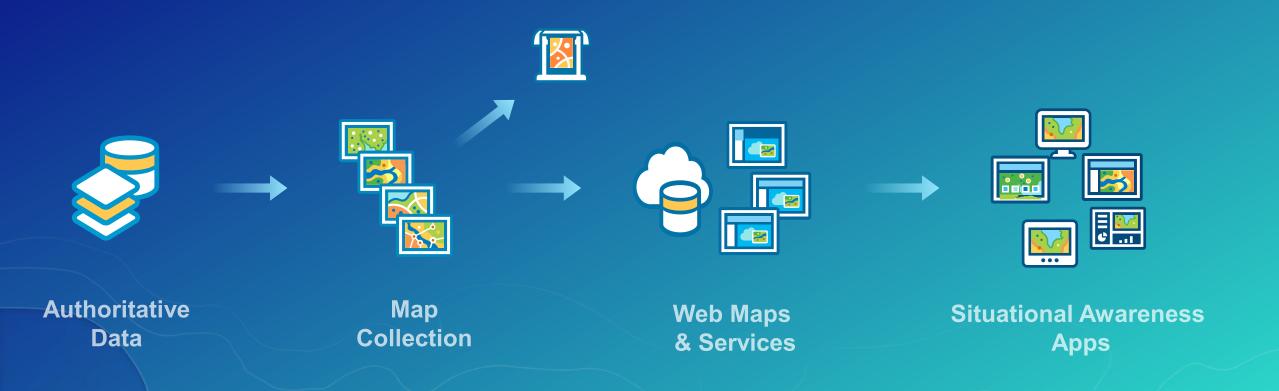
A foundation for Emergency Management Solutions

- Enables GIS support staff to:
 - Respond to an incident quickly with map products
 - Simplify the implementation of data and maps
 - Support decision makers with dynamic and actionable information
 - Share incident information via web based and hard copy products
 - Work online and offline



Emergency Management Maps

A foundation for Emergency Management Solutions



Emergency Management Maps Solution components

Maps

Layers

Symbology

Layouts

Standardized products

Consistent format

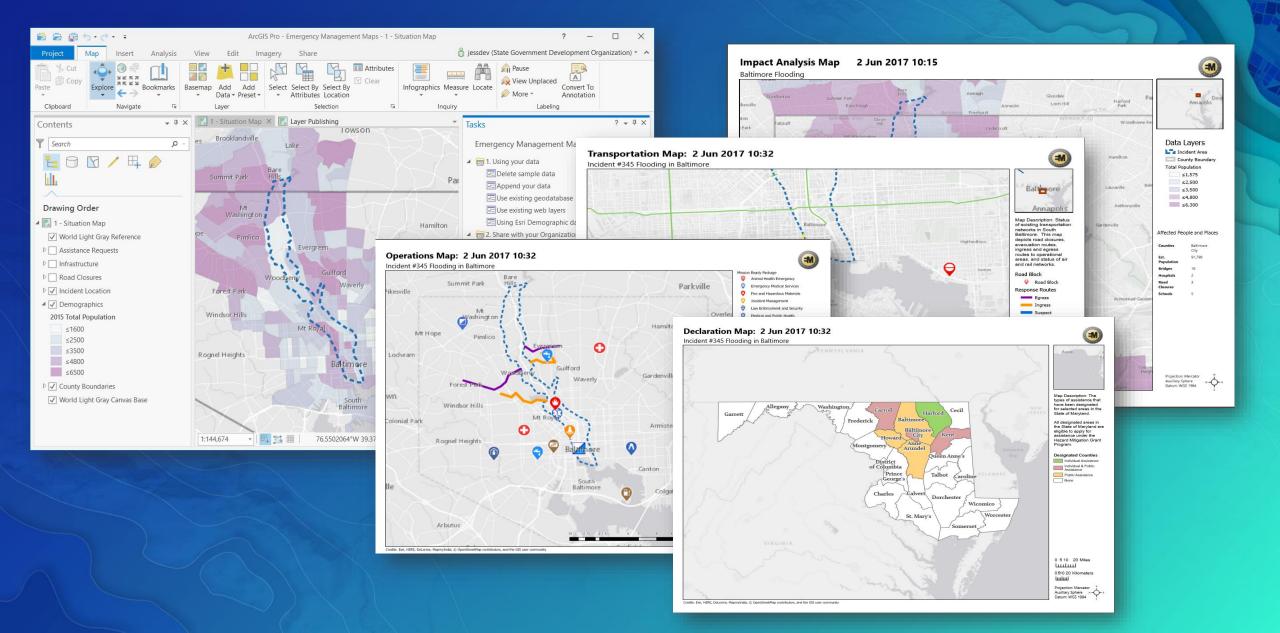
Sharing Workflows

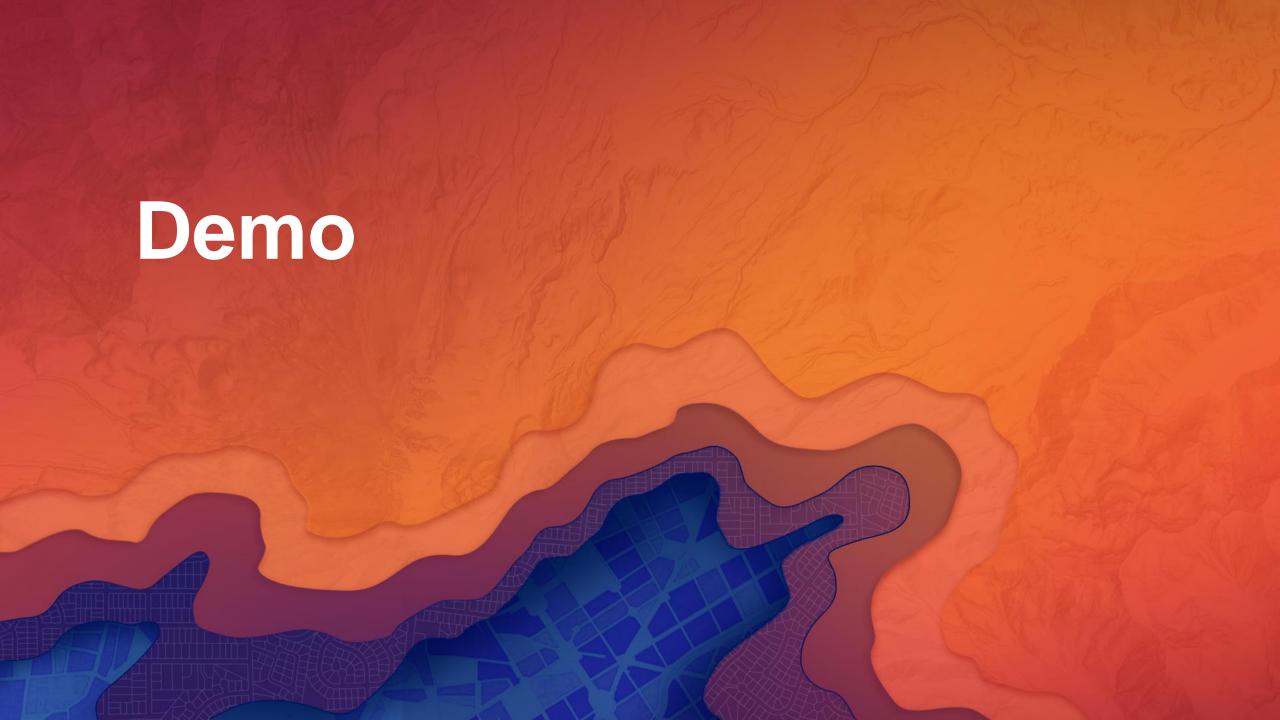
web based, digital, and hardcopy information products

Emergency Management Maps

A foundation for EM solutions

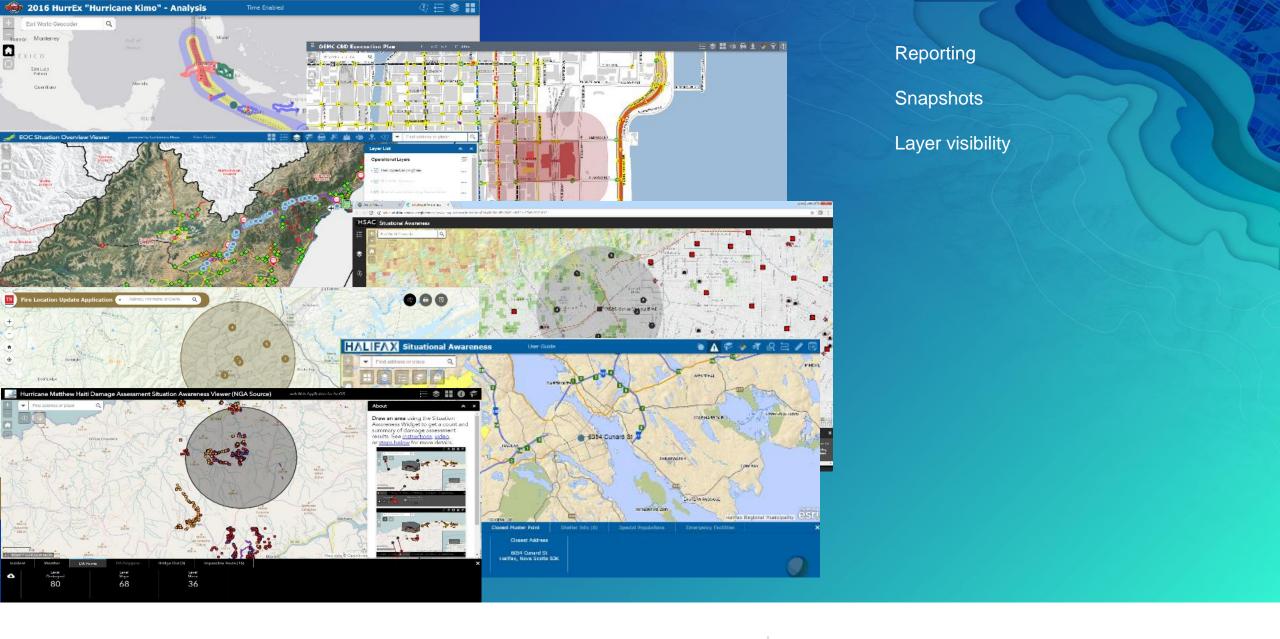
Texas EGRT Eagle Technologies



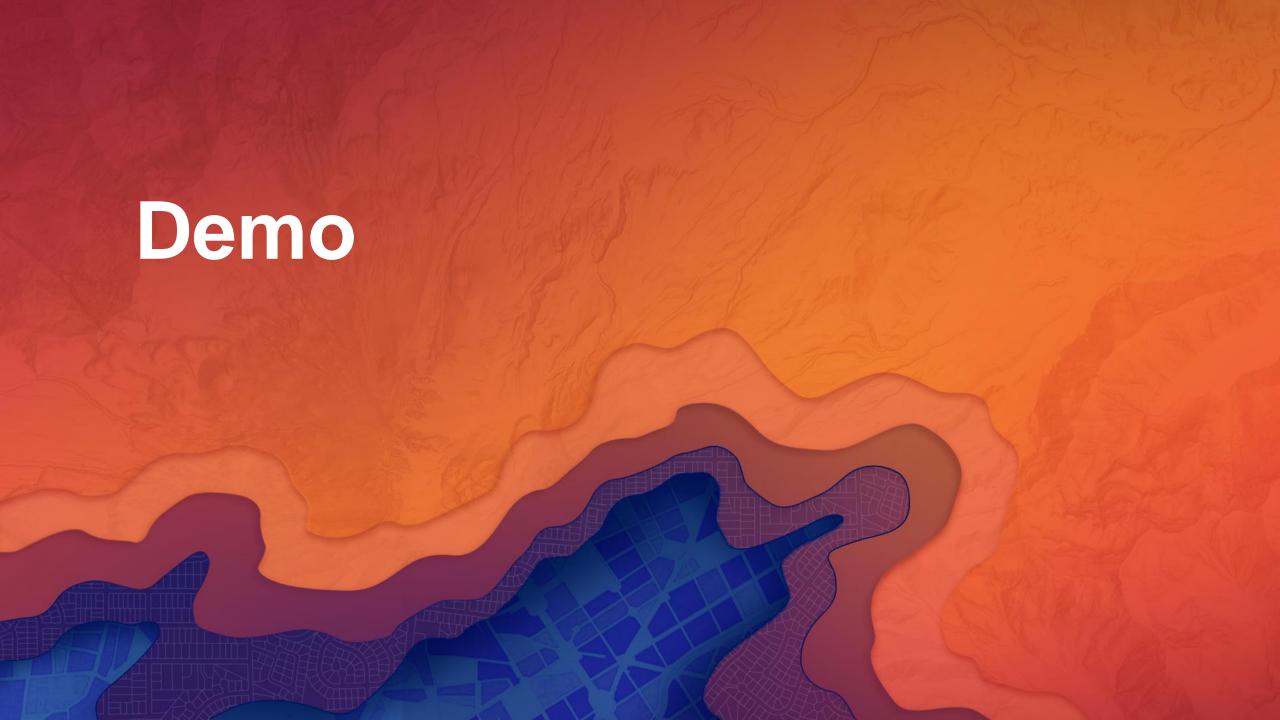


Getting started with EM Maps esriurl.com/EMgtMaps

- 1. Download the template
- 2. Populate with your data
 - Operational data
 - Reference data
 - Esri Data and Maps, Living Atlas, other live feeds
- 3. Share layers and maps via ...
 - ArcGIS Online organization
 - Printed maps
 - Digital map books
 - ArcGIS Open Data site



Situational Awareness

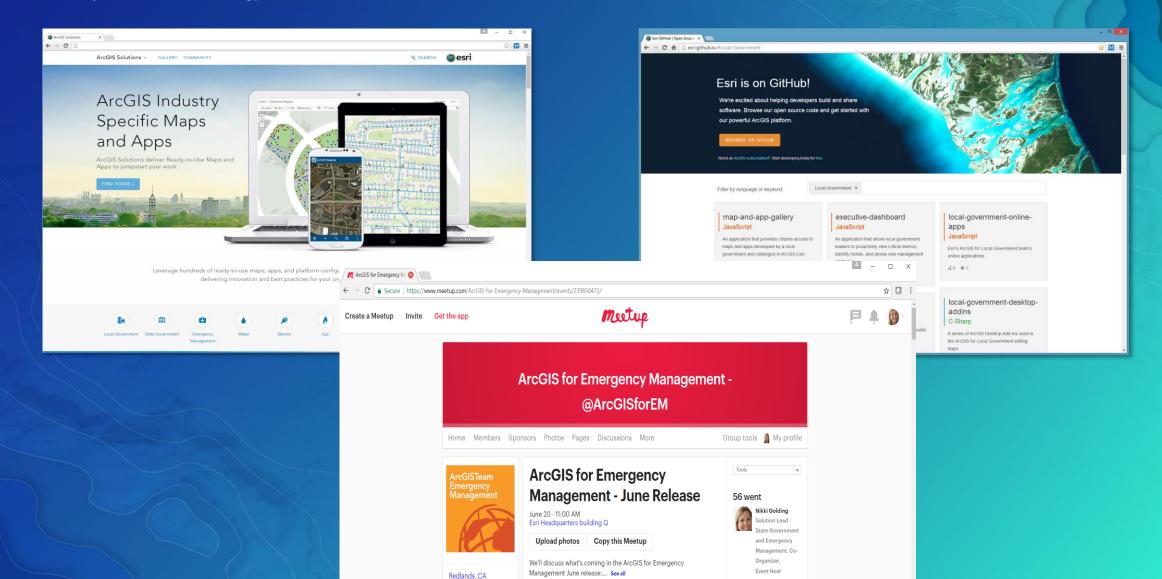


2017 Priorities

- Modernize solutions
 - ArcGISPro, WebApp Builder,4.x API, Field Workflows
- UC Release
 - Environmental Screening, Transportation 511 updates, Field Workflows, Printing Dijit
- Post UC
 - Executive Dashboard, Environment, Agriculture, Field Workflows, Hub

Join the Community

It's not just about the technology



Closing

- Deliver solutions 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

UC Events

- ArcGIS for Emergency Management Sessions
 - Two tech workshops
 - Two demo theatre sessions
- Solution Island
 - Focused conversations / support



Please Take Our Survey on the Esri Events App!

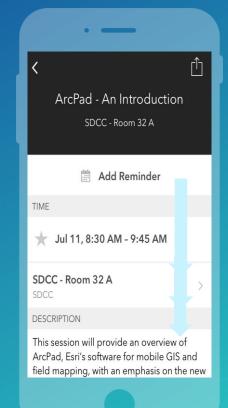
Download the Esri Events app and find your event



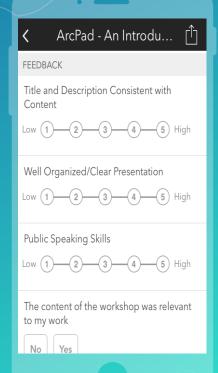
Select the session you attended



Scroll down to find the survey



Complete Answers and Select "Submit"



Thank you

Be innovative, aware, and know you are not alone

- http://solutions.arcgis.com/#Emergency-Management
- https://www.meetup.com/ArcGIS-for-Emergency-Management
- @ArcGISforEM
- http://esri.github.com

