ArcGIS for Emergency Management: An Introduction

Walter Potts
Lindsay Thomas
Scott Oppmann
Agenda

• Introduction

• Solution Offering

• What’s Next

• Your Feedback
Challenging and Evolving Times

Social Conflicts
Homelessness
Demographic Shifts

Economic Pressures
Transportation
Epidemics

Disasters
Climate Change
Drought
Flooding
Challenges

• Remaining in a “constant state of preparedness”

• Understanding what, and who, is affected if an incident were to occur

• How to apply limited resources effectively

• Monitoring activity during dynamic conditions and providing real time operational briefs

• Conducting rapid damage assessment and ensuring community recovers effectively

• Communicating effectively with the public
GIS Has Evolved

Your GIS is an Interconnected Platform

Bringing Together Data, Technology, and People . . .

. . . Creating a Framework for Solving Complex Problems

Desktop

Apps

Web GIS

Server

Networks

Faster Computing

Devices

Web

Open

Community Content

Web Services

Cloud

ArcGIS
Turning Point

ArcGIS Online

Mapping Without Limits
ArcGIS Online is a Complete, Cloud-Based Mapping Platform

ArcGIS Online mapping tools are powerful yet simple to use so everyone in your organization can make and share beautiful maps.

ArcGIS Solutions

ArcGIS Industry Specific Maps and Apps
ArcGIS Solutions deliver Ready-to-Use Maps and Apps to support your work.

Leverage hundreds of ready-to-use maps, apps, and platform configurations to meet your needs, delivering innovation and best practices for your organization.
ArcGIS Solutions for Emergency Management

Helping agencies become more resilient, develop preparedness plans, and respond to emergencies

• Collection of useful maps and apps
  • Configurable and extensible
  • Freely available and fully supported

• Community of users (500+ 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
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....
Aligning Development to Emergency Management

Providing solutions that address the needs of the emergency management lifecycle

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
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<th>Response</th>
<th>Recovery</th>
<th>Mitigation</th>
<th>Resilience</th>
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<td>Organize Foundational Data</td>
<td>Maintain Situational Awareness</td>
<td>Conduct Damage Assessments</td>
<td>Assess Vulnerabilities</td>
<td>Become More Resilient</td>
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<td>Prepare for Incidents</td>
<td>Manage Storm Damage</td>
<td>Collect Health &amp; Safety Reports</td>
<td>Community Resilience</td>
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<td>Engage the Public</td>
<td>Assess Incident Impact</td>
<td>Inform the Public</td>
<td>Hazard Assessment &amp; Analysis</td>
<td>Community Resilience Surveys</td>
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<td>Manage Community Events</td>
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ArcGIS Industry Specific Maps and Apps

Leverage hundreds of ready-to-use maps, apps, and platform configurations to meet your needs, delivering innovation and best practices for your organization.
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....
What’s New

June 2018 Release

• Enhancements to existing offerings
  • Community Mitigation
  • Emergency Management Maps
  • Situational Awareness
Road Ahead

• Simply, simplify, simplify

• Preparedness, Resiliency

• Public engagement

• 3D
The Community

It's not just about the technology
Closing

• Deliver solutions that enable your 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 Solutions for Emergency Management Sessions
  • Several tech workshops / demo theatre sessions
• Solution Island
  • Focused conversations / support
Thank you

Be innovative, aware, and know you are not alone

🔗 http://solutions.arcgis.com
🔗 http://meetup.com/ArcGIS-for-Emergency-Management/
🔗 http://esri.github.com
Please Take Our Survey on the App

Download the Esri Events app and find your event

Select the session you attended

Scroll down to find the feedback section

Complete answers and select “Submit”