ArcGIS for Emergency Management
A solution to support the EM Mission

• Series of useful maps and apps focused on emergency management work
  - Organized by phases of emergency response
  - Extensible, configurable
  - Freely available and fully supported
  - A foundation for Partner solutions

• 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
Aligning development to support Emergency Management

Providing solutions that address the needs of the four phases

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

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

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

**Response**
- Life Safety
- Incident Stabilization
- Evacuations and Shelters
- Mass Care
<table>
<thead>
<tr>
<th>Mitigation</th>
<th>Resilience</th>
<th>Preparedness</th>
<th>Response</th>
<th>Recovery</th>
<th>Entire Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard Vulnerability Analysis</td>
<td>Resilience Dashboard</td>
<td>Community Events</td>
<td>Impact Summary Map</td>
<td>Photo Survey</td>
<td>Community Parcels</td>
</tr>
<tr>
<td>Mitigation Dashboard</td>
<td>Resilience Outreach</td>
<td>CAMEO Tools</td>
<td>Public Information Map</td>
<td>Health and Safety Reports</td>
<td>Community Addresses</td>
</tr>
<tr>
<td>Mitigation Plan Status</td>
<td></td>
<td>Emergency Assistance</td>
<td>Road Closures</td>
<td>Debris Reporting</td>
<td>Crowdsource Manager</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Evacuation Zones</td>
<td>Incident Briefing</td>
<td></td>
<td>Crowdsource Reporter</td>
</tr>
<tr>
<td></td>
<td></td>
<td>My Hazard Information</td>
<td>Citizen Reports</td>
<td></td>
<td>Map and App Gallery</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Floodplain Inquiry</td>
<td>Health &amp; Safety Reports</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Community Parcels</td>
<td>Debris Reporting</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Community Addresses</td>
<td>Common Operational Picture</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Situation Awareness Viewer</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Operations Response</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Logistics Planning</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Incident Status Dashboard</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Citizen Service Request</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Photo Survey</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Shelter Locator</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

What's New or Updated

- 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
Situational Awareness Solutions
Suite of applications to support preparation and response to emergency situations

• Enables Emergency Managers to:
  - Identify threats or current hazards
  - Define the impact to people and places
  - Plan, execute and monitor response activities
  - Communicate essential information to public

• Enables GIS support staff to:
  - Leverage configurable applications to rapidly deploy decision support tools
  - Simplify the implementation of data and maps
  - Support decision makers with dynamic and actionable information
  - Remove information ambiguity using a structured framework for Emergency Management
  - Promote effective communication between agencies through intuitive maps
Situational Awareness Solutions

- Common Operational Picture
- Incident Briefing
- Situational Awareness
- Operational Planning
- Logistics Planning
- Impact Summary
- Incident Status
Demonstration
Situational Awareness Solutions
A technology view

Common Operational Picture
- Gallery App

Incident Briefing
- Map Journal

Situational Awareness
- Web AppBuilder

Operational Planning
- Web AppBuilder

Logistics Planning
- Web AppBuilder

Impact Summary
- Web App Template

Incident Status
- Operations Dashboard
Getting started with Situational Awareness

esriurl.com/SitAware

1. Deploy the suite with the ArcGIS Solutions Deployment Tool
2. Load your data

Or

1. Organize your geographic content
2. Configure focused maps
3. Deploy mission focused solutions
4. Share solutions in a group and Gallery application
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!

Questions
esriurl.com/SitAware

Recommended Sessions

Wednesday
6:00 – 8:00 pm - Hilton - Promenade Plaza
State and Local Government Social

Thursday
8:30 am – Tech Session - Room 16 A
Address Data Management Maps and Apps

Connect With Us after UC

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