

ArcGIS for Emergency Management

Situational Awareness Overview

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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

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

Emergency Management – June 2017

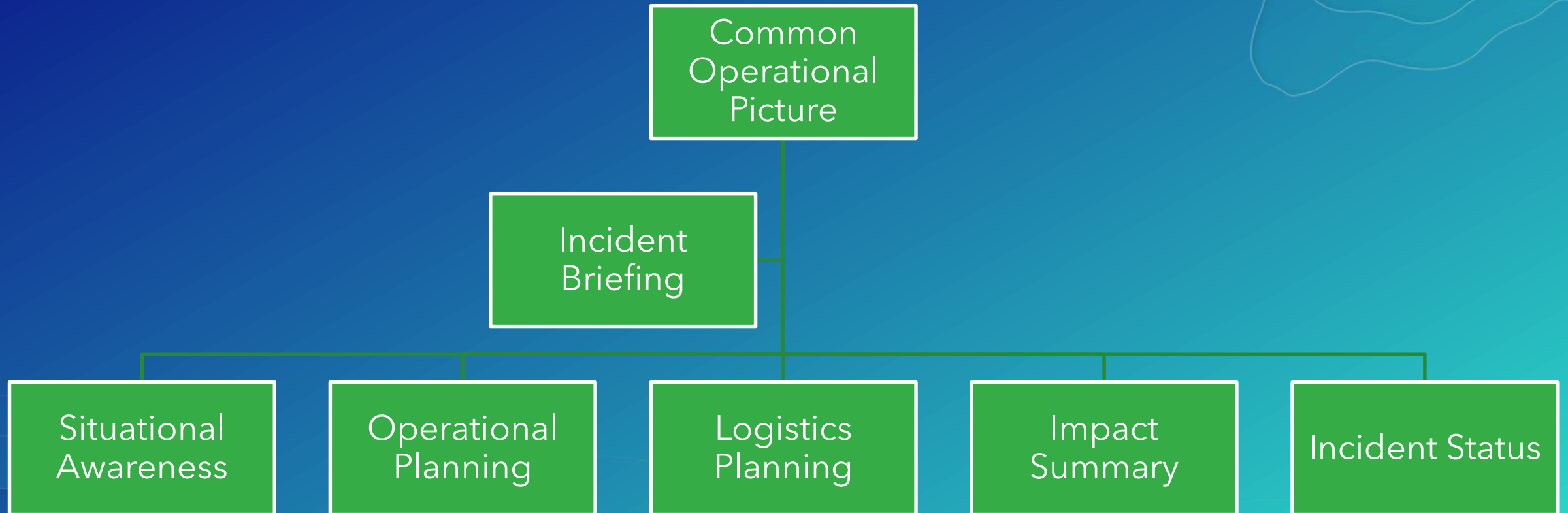
Mitigation	Resilience	Preparedness	Response	Recovery	Entire Organization
<ul style="list-style-type: none"> ● Hazard Assessment and Analysis ● Hazard Vulnerability Analysis ● Mitigation Dashboard ● Mitigation Plan Status 	<ul style="list-style-type: none"> ● Community Resilience ● Resilience Dashboard ● Resilience Outreach 	<ul style="list-style-type: none"> Flood Planning ● Community Events CAMEO Tools Emergency Assistance Evacuation Zones ● My Hazard Information Floodplain Inquiry ● Community Parcels ● Community Addresses 	<ul style="list-style-type: none"> ● 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 	<ul style="list-style-type: none"> Damage Assessment Photo Survey Health and Safety Reports Debris Reporting 	<ul style="list-style-type: none"> ArcGIS Online for Emergency Management Community Parcels Community Addresses Crowdsource Manager Crowdsource Reporter Map and App Gallery


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




1. Situational Awareness Viewer
Web Mapping Application




2. Operations Response
Web Mapping Application




3. Logistics Planning
Web Mapping Application



4. Incident Status Dashboard
Operation View



5. Impact Summary Map
Web Mapping Application



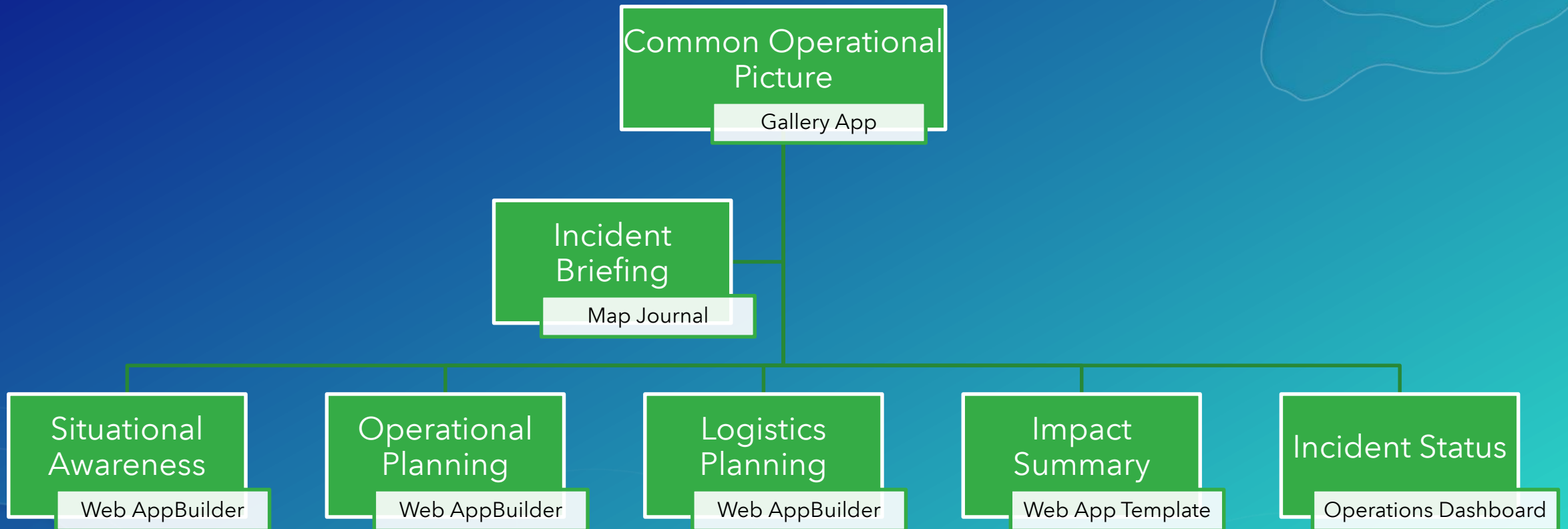
6. Incident Briefing
Web Mapping Application

The Common Operational Picture is a configuration for the Maps and Apps Gallery group application template that can be used to access a collection of maps, apps, and other content cataloged in an ArcGIS Online group.

Demonstration

Situational Awareness Solutions

A technology view



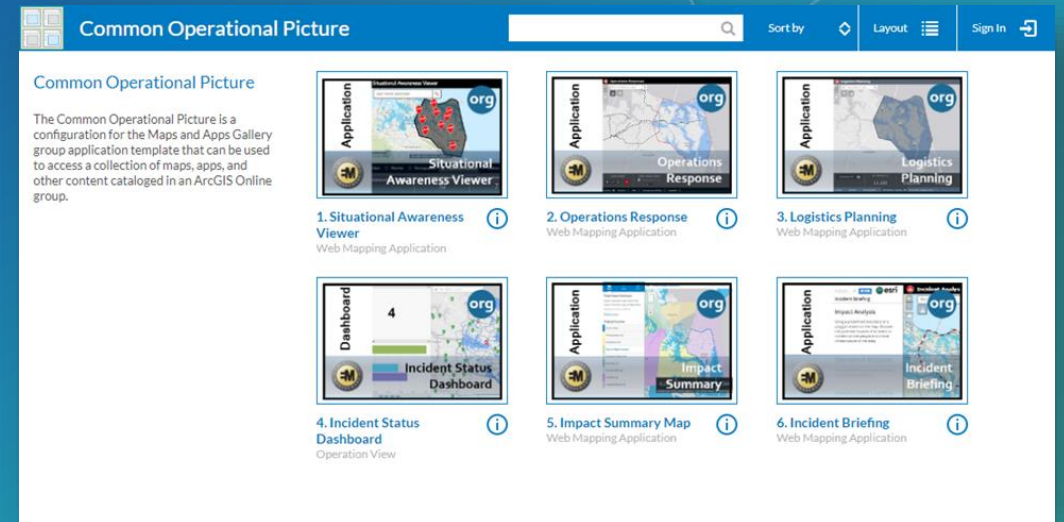
Getting started with Situational Awareness

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

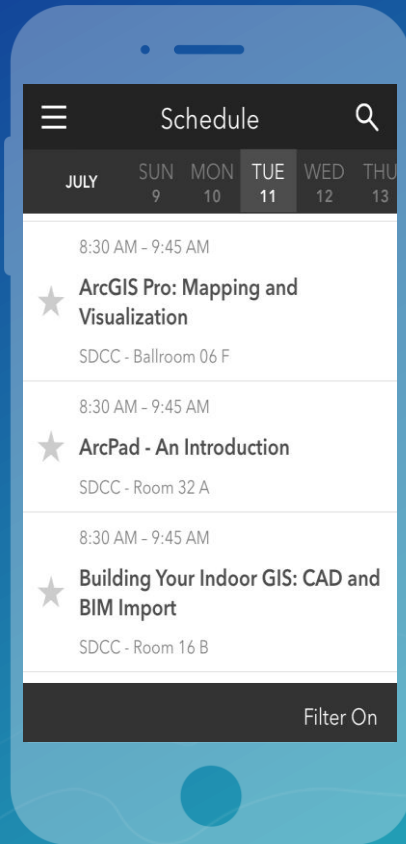


Please Take Our Survey on the Esri Events App!

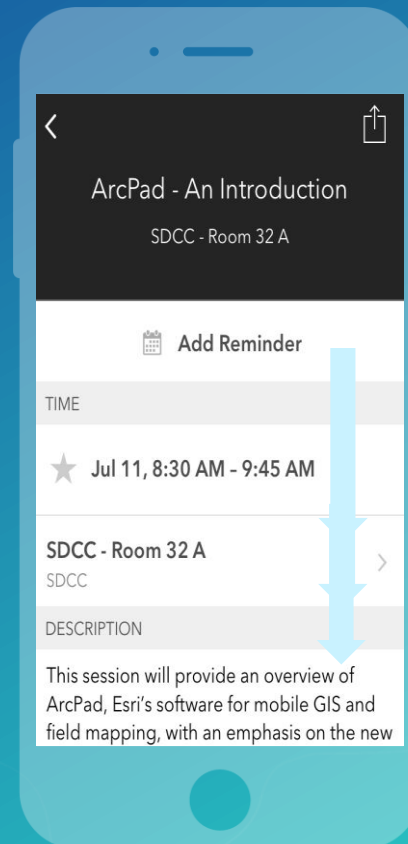
Download the Esri Events app and find your event



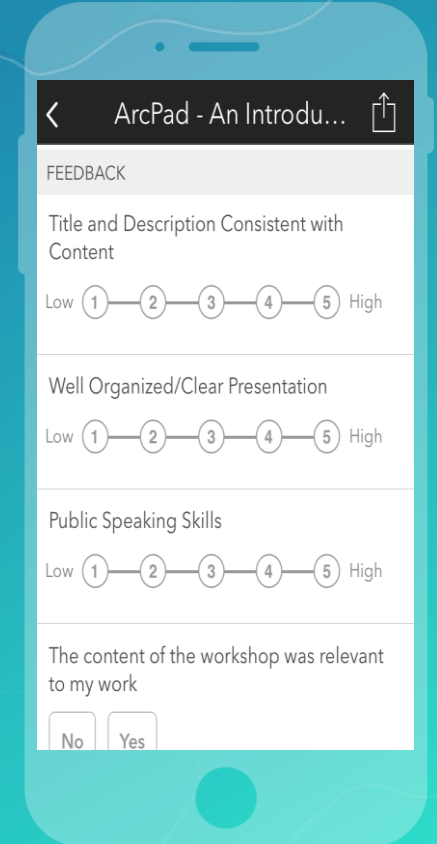
Select the session you attended



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



<http://solutions.arcgis.com/#Emergency-Management>



<https://www.meetup.com/ArcGIS-for-Emergency-Management>



@ArcGISforEM



<http://esri.github.com>



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