



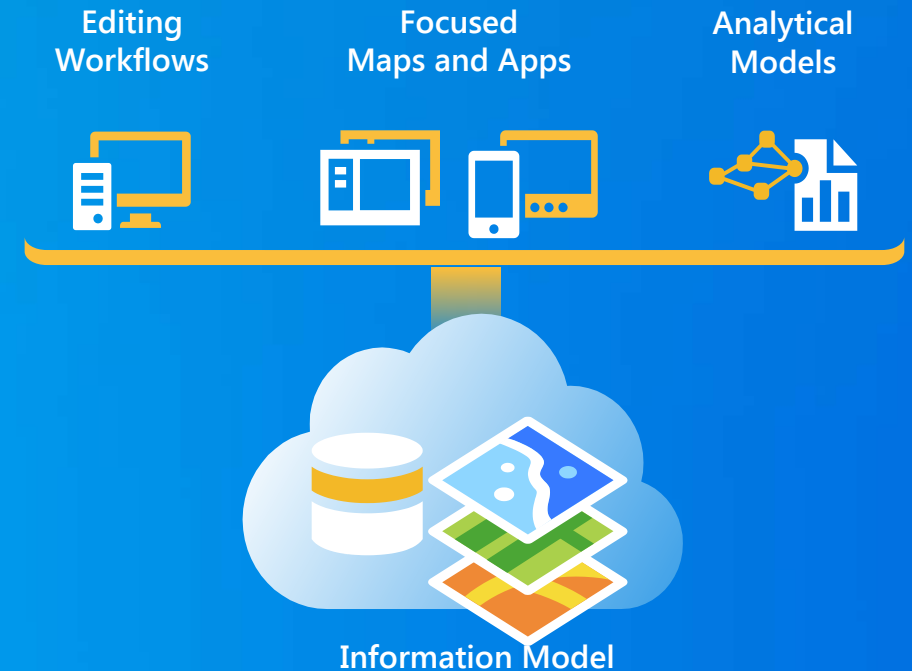
# Configuring the ArcGIS for Emergency Management Damage Assessment Solution in Your Organization

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# ArcGIS for Emergency Management

Solutions for Esri's EM customers

- **Series of configurable maps and apps**
  - Extensible, configurable
  - Freely available and fully supported
  - A foundation for Partner solutions
- **Community of users**
  - Best Practices / Implementation Support
  - Meetup
  - GeoNet
- **Network of Esri Services and Partner offerings**
  - Help users implement, sustain and enhance



... Available on-premise or in the cloud

# ArcGIS for Emergency Management

## Preparedness



- Special Event Planning
- Flood Response Plans
- Emergency Assistance
- Evacuation Zones
- My Hazard Info
- Data Aggregation Tools



## Operations



- Damage Assessment
- Emergency Management Maps
- Emergency Support Function Maps
- Road Status
- Damage Assessment Dashboard

## Recovery



- Damage Assessment
- Citizen Service Request

## Response



- Crowd Sourcing
- My Hazard Info
- Social Media Maps
- Citizen Service Request
- Public Information Map
- Local Impact Map
- Road Closures
- Damage Assessment
- Emergency Management Maps
- CAMEO Tools
- Incident Briefing Books

## GIS/IT



- ArcGIS Online Model Organization
- Briefing Book
- Data Aggregation Tools
- Parcels
- Addresses

# Initial Damage Assessment

## Business Need

- Understand the magnitude and severity of damages

## Problem

- Time consuming
- Availability of trained staff
- Inconsistencies with gathered information

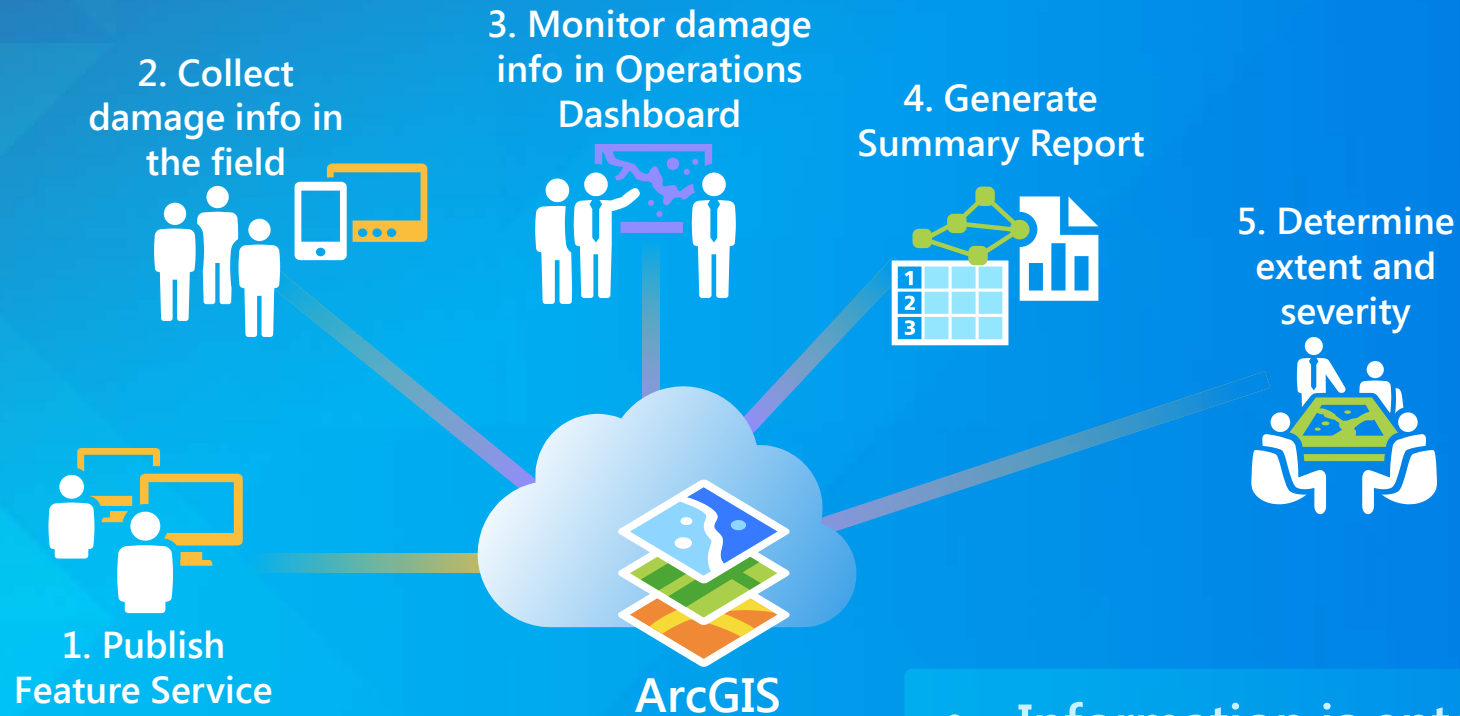
## Solution

- ArcGIS platform to collect, monitor, and report on the initial assessments

# Typical Damage Assessment Process

1. **Event/Incident Occurs**
2. **Local EM receives report and assembles response teams**
3. **After response teams are done recovery process begins**
4. **Initial damage assessment teams are assigned areas to survey**
5. **Paper forms are filled out in the field**
6. **EM staff gather paper forms to determine extent and severity of damages**
7. **Decision is made to request a Joint Preliminary Damage Assessment**

# More Efficient Process



- Information is entered once
- Collect Connected or Offline
- Decisions are near Real-Time
- Feeds into Joint PDA process



# Demo

## Damage Assessment

# Thank you.

## Please fill out the session survey:

- Surveys available in Esri Events UC mobile app
- Click on session title in the agenda, then click Survey link



<http://solutions.arcgis.com>



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



[@ArcGISForEM](https://twitter.com/ArcGISForEM)



<http://esri.github.com>





Understanding our world.