

# Agenda

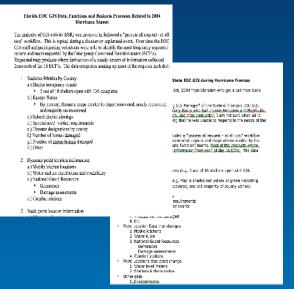
- Introduction
- Solution Offering
- What's Next?
- Your Feedback

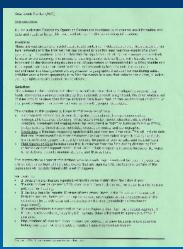




# A common experience....

2005 2004





**Southeast Tornadoes** 

**Hurricane Sandy** 





**Colorado Floods** 



- Standard Set of Base Maps

- Hard Copy Map Production
  Mobile Damage Assessment
  Common Operational Picture
  Public Access/Communication Apps

# **ArcGIS** as a Platform

GIS



Making Mapping and GIS
Available Across Your Organization

## EXTENDING THE PLATFORM WITH SOLUTIONS

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





**ArcGIS for Emergency Management** 



**Our Mission** 

To help you....

#### Preparedness

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



#### **GIS/IT**

ArcGIS Online Model Organization
Briefing Book
Service Catalog
Data Aggregation Tools
Parcels
Addresses
Crowd Sourcing



### Recovery

Damage Assessment Citizen Service Request



#### Response

Citizen Service Request
Emergency Management Maps
Public Information Map
Local Impact Map
Road Closures
Damage Assessment
CAMEO Tools
Incident Briefing
Health and Safety Reports
Damage Assessment Dashboard



# **ArcGIS for Emergency Management**

## Demos



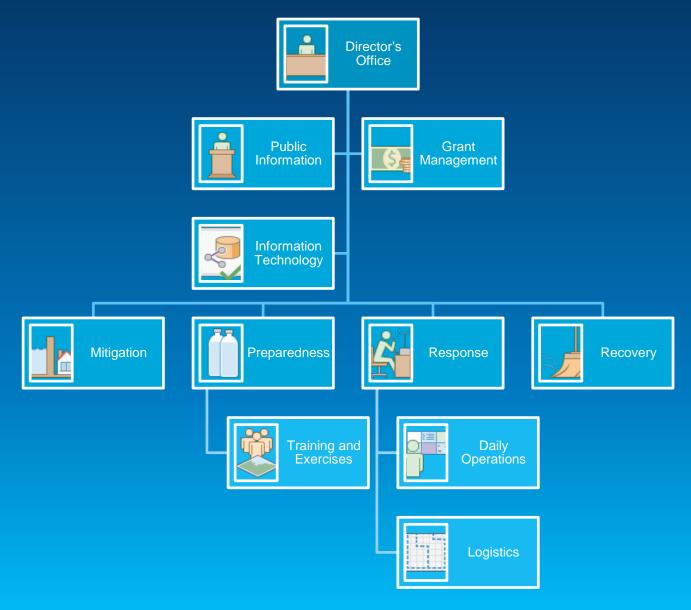


# **What's Coming in Emergency Management**

- Situational Awareness
  - Series of maps & apps
- Hazard Mitigation
  - Series of maps & apps to support Assessing Risk, Vulnerability, and Mitigation Planning scenarios
- Pre-Incident Planning
  - Redesign to incorporate off-line/online updates on site
  - Updates/enhancements to support Emergency Management & Law Enforcement
- Special Event Planning
  - Redesign to support online workflows before, during, after event
  - Incorporate Pre-Incident layers
  - Updates/enhancements to support Emergency Management & Law Enforcement
- Pre-Staging Parcel data
  - Tools in Pro to help local emergency managers prepare for impending events

# **Emergency Management Platform Offering**

# **Typical Emergency Management Organizational Chart**



# Emergency Management Workflows

Threats Identify repeat offenders

Mitigation

Track and fund projects

Projects to reduce risk Daily Situational Awareness Briefing

Change Awareness, Notification and potential impacts

Daily Operations (blue sky)

Incident assessment and understanding

IA/PA Status

Return to normalcy

Recovery

Joint Damage Assessment

**Debris Removal** 

Brief on agency activities

Director's Office

Activity Awareness

Media

Public Information

Public

Develop and maintain plans

Preparedness

**Risk Assessment** 

Maintain
Situational
Coordinate Awareness
operations Evacuation

Field Data Collection Sheltering

Response Reentry

Initial Damage CIKR
Assessment Restoration
Preliminary Damage
Assessment

Project tracking

Grants

Awards Grant management Synthetic Exercises
/ Training

Training &

Exercises

Exercise AAR Development

Access

Activation

IT

Governance

## **Standard Platform Deployment:**

#### Technology:

- ArcGIS Online Subscription
- ArcGIS Desktop
- Credits

#### Services:

 ArcGIS Online Launch Kit for Emergency Management

#### **Advanced Platform Deployment:**

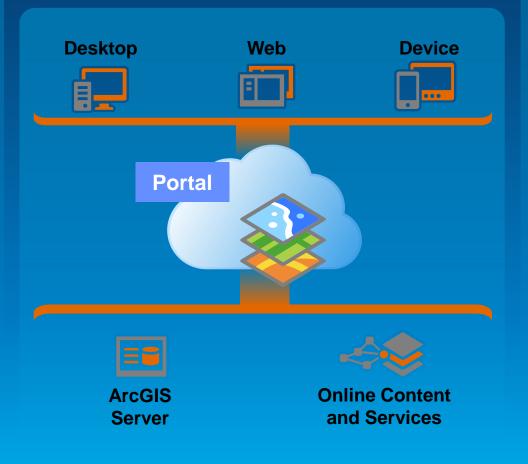
#### Technology:

- Portal for ArcGIS
- ArcGIS for Server
- Extensions for Server
- ArcGIS Online Subscription
- ArcGIS Desktop
- Credits

#### Services:

- ArcGIS Online Launch Kit for Emergency Management
- Portal for ArcGIS Jumpstart Kit
- ArcGIS for Server Jumpstart Kit
- Enterprise GIS Health Check
- Managed Services
- Data Review Workshop
- Ongoing EEAP Support

# Emergency Management Platform OfferingStandard Platform Offering



# **Launch Kit for Emergency Management:**

What you get:

- 1. AGOL Organization Configuration— Install and configure components of Esri's commercial off-the-shelf software to enable the platform.
- 2. Foundational Emergency Management Info Product Configuration Configure and share priority information products and apps for Emergency Management stakeholders and the public. This includes advice on how to maintain products over time.
  - Overview of Hazards Briefing Book
  - Special Events Plan
  - Watch Officer Dashboard
  - Situational Awareness Briefing
  - Situational Awareness Presentation
  - Incident Map
  - Initial Damage Assessment
  - Public Information Map
- Technology Transfer

  Review value of information products and recommend next steps for additional information products.
  - Building story maps to support briefings and for public engagement
  - ArcGIS Platform functionality primer for GIS analysts

#### **Mitigation:**

Information Product(s):

- Overview of Hazards Briefing Book Technology:
- Story Map Journal

#### Services:

Configure web maps and Story Map Journal

#### **Preparedness:**

Information Product(s):

- Special Events Planning Map
- Special Events Operations Dashboard

#### Technology:

- Web map
- Operations Dashboard

#### Services:

Operationalize planning information and configure

#### **Daily Operations (blue sky):**

Information Product(s):

- Watch Officer Dashboard
- Situational Awareness Briefing
- Situational Awareness Presentation

#### Technology:

- Operations Dashboard
- Story Map Journal
- Web map presentation mode

#### Services:

Configure information products

## **Emergency Management Offering – IOC**

- ArcGIS Desktop
- Operations Dashboard
- Esri Maps for Office
- Story Map Journal
- Public Information Map
- Collector for ArcGIS
- Explorer for ArcGIS





**Desktop** 











ArcGIS Server



**Services** 

## Response:

Information Product(s):

- Incident Map
- Initial Damage Assessment Web Map (for Collector)
- Initial Damage Assessment Operations
   Dashboard

#### Technology:

- Collector
- Operations Dashboard

#### Services

• Configure information products

#### **Public Information:**

Information Product(s):

Public Information Map

#### Technology:

• Public Information Map

#### Services:

 Building story maps to support briefings and for public engagement

# Esri Disaster Response Program

# **Esri Disaster Response Program**

www.esri.com/disaster



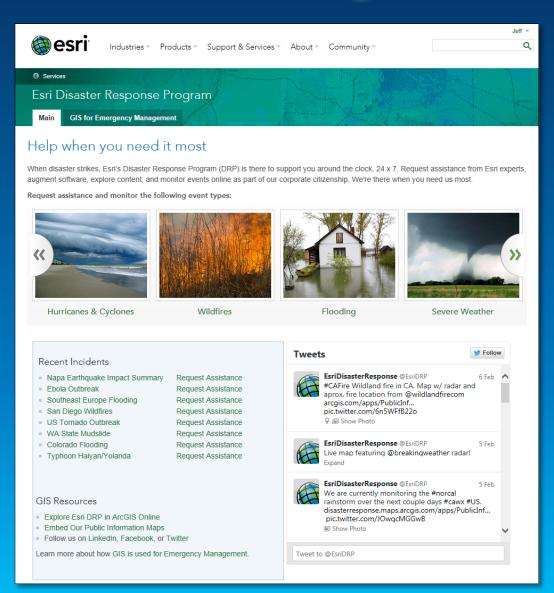
- Global response
- Corporate citizenship
- Support affected organizations

## **DRP** provides

www.esri.com/disaster

- Software, data, maps
- Expertise/Remote support
  - Premium tech support
- On-site help

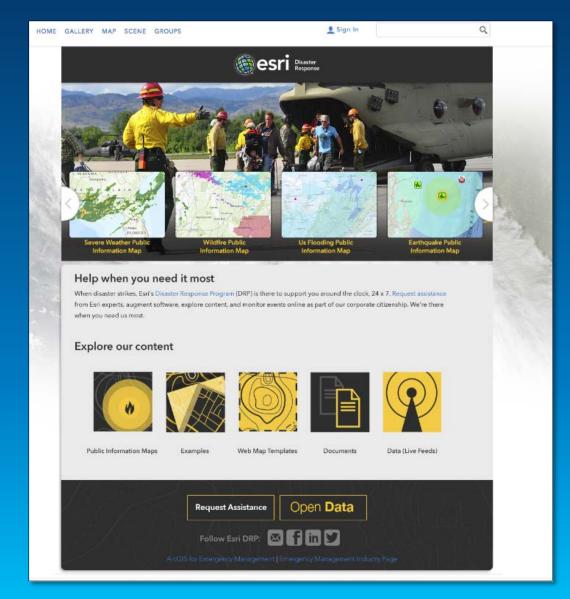




# Standard sites / products (aka "dial tone services") @esri Pisaster Response

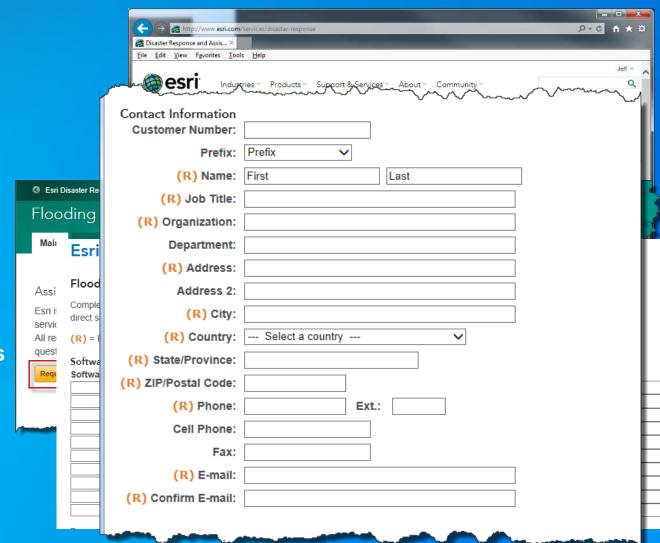
disasterresponse.maps.arcgis.com

- ArcGIS Online for organization account
- Live feeds
- Apps
  - Public information maps
  - Impact summary maps
  - Example web maps
- Open data



# How to make a request?

- Pick your Disaster Type
- Click the "Request Assistance Form"
- Fill out the form
  - Contact details
  - Request
    - Software
    - Data
    - Technical support and project services



# Top ten information products

- 1. Public Information Map
- 2. Impact Summary Map
- 3. Story Map Tour
- 4. Pre & Post Event Imagery
- 5. Mobile Data Collection

- 6. Planning Maps
- 7. Situational Awareness
- 8. Information Sharing
- 9. Briefing Presentation
- 10. Story Map Journal

# Thank You



http://solutions.arcgis.com/emergency-management



https://www.linkedin.com/groups?home=&gid=6724973



@ArcGISforEM



http://esri.github.com

Thank you...

Please fill out the session survey:

Offering ID: 1745

Online – <a href="www.esri.com/ucsessionsurveys">www.esri.com/ucsessionsurveys</a>
Paper – pick up and put in drop box
UC App



Understanding our world.