Prepare, Monitor, and Assess the Impact of Natural Hazards

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Overview

• Maps
• Apps
• Uses Cases
• Resources
How to get Started

- Maps
- Apps
- Resources
Emergency Management

Life Cycle

Prepare, Monitor, and Assess the Impact of Natural Hazards

- Prepare
- Respond
- Mitigate
- Recover
Disaster Response Activations

- 2009: Black Saturday Bushfires
- 2010: Earthquake in Chile
- 2011: Japanese Tsunami
- 2012: Hurricane Sandy
- 2013
  - Boston Marathon Bombing
  - Moore Tornado
  - Wildfire (CA, CO, ID, UT)
  - CO Flood
  - Typhoon Yolanda / Haiyan
Civil Air Patrol's Aerial images for the 2013 Colorado Floods

This is a selection of images from the Civil Air Patrol's website for the 2013 Colorado Floods.
Request Assistance – esri.com\disaster

Disaster Response Program

Help when you need it most

When disaster strikes, Esri’s Disaster Response Program (DRP) is there to support you around the clock, 24 x 7. Request assistance from Esri experts, augment software, explore content, and monitor events online as part of our corporate citizenship. We’re there when you need us most.

Request assistance and monitor the following event types:
- Hurricanes & Cyclones
- Wildfires
- Flooding
- Severe Weather

Disaster_help@esri.com
Disaster Response Program

Software

Expertise

On-Site Help
Emergency Management
Life Cycle

Prepare
Respond
Mitigate
Recover
Registering Live Feed Services
Prepare, Monitor, and Assess the Impact of Natural Hazards
Hazard Web Mapping Applications
Authoritative Live Feeds

- **DRP Authoritative Feeds Group** –
  - Central Services - Esri Disaster Response Program
- **DRP ArcGIS Organizational Site**
- **REST Endpoint**
  - [http://tmservices1.esri.com/arcgis/rest/services/LiveFeeds](http://tmservices1.esri.com/arcgis/rest/services/LiveFeeds)
- **Content Generation Script**
  - [http://solutions.arcgis.com/utilities/electric/](http://solutions.arcgis.com/utilities/electric/)
Ready to Use Apps
Emergency Management

Life Cycle

Prepare → Respond → Mitigate → Recover
Live Feeds > Configurable Apps
Operations Dashboard
Emergency Management
Life Cycle

1. Prepare
2. Respond
3. Mitigate
4. Recover

Prepare, Monitor, and Assess the Impact of Natural Hazards
Storm Response
ArcGIS for Electric Solution Offering

Prepare
- Vulnerability Assessment
- Social Media Sentiment
- Public Outage Map

Respond
- Damage Operations Dashboard
- Damage Assessment Collector
- Impact Analysis

Recover
- Event Support

Mitigate
- Hazard Reporting
- Hazard Notification
Storm Response
Summary

Moving forward

- **Getting Started**
  - Maps
  - Apps
- **Focused Maps/Apps**
  - Prepare
  - Respond
  - Recover
  - Mitigate
- **Deployment**
  - Internal
  - External
Getting Started

Resources

http://solutions.arcgis.com

http://disasterresponse.maps.arcgis.com/home/

http://fema.maps.arcgis.com/home/
Thank you...

• Please fill out the session survey:

**Offering ID: 1224**

Online – [www.esri.com/ucsessionssurveys](http://www.esri.com/ucsessionssurveys)
Paper – pick up and put in drop box