

Dealing with Disasters: GIS for Emergency Management

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Part 1: Disaster preparedness

GIS case studies featured in the book

[Ensuring tornado warnings work when it matters most](#)
[3D mapping helps prepare for flood events](#)
[Counties organize evacuations well in advance](#)
[Drone imagery helps stay crisis-ready despite growth](#)
[Simulating a Nuclear Disaster](#)
[Apps Help Fire District to Better Prepare for Emergencies](#)

How to get started

[FEMA's Resilience Analysis and Planning Tool](#)
[Live feeds in the ArcGIS Living Atlas of the World](#)
[Ottawa, OH: A Mitigation Success Story](#)
[MDOT Metro Region Flood Mitigation Projects](#)
[Ohio Safe Room Rebate Program](#)
[Are You Ready Tampa Bay?](#)
[Essential Configurations for Highly Scalable \(Viral\) ArcGIS Online Web Applications](#)
[Learn ArcGIS Path for disaster preparedness](#)
[Solution templates for disaster preparedness](#)
[Disaster preparedness @ esri.com](#)

Part 2: Disaster response

GIS case studies featured in the book

[Tracking Coronavirus with Real-time Dashboards](#)
[Transform Hurricane Response 71 Puerto Rico Emergency Operations Center](#)
[GIS Supports Response to Hurricane Irma](#)
[Scientists, Emergency Responders Put Drones to Work](#)
[Extending GIS in the Field for Resource Advising](#)

How to get started

[Earthquake Public Information Map](#)
[Flooding Public Information Map](#)
[Hurricane Public Information Map](#)
[Severe Weather Public Information Map](#)
[Wildfire Public Information Map](#)
[Essential Configurations for Highly Scalable \(Viral\) ArcGIS Online Web Applications](#)
[Coronavirus COVID-19 Global Cases Dashboard](#)

[ArcGIS Survey 1-2-3: Best Practices for Conducting Damage Assessments](#)
[Learn ArcGIS Path for Disaster Response](#)
[Solution Templates for Disaster Response](#)
[Esri's Disaster Response Program](#)
[Disaster Response @ esri.com](#)

Additional case studies

[Smart Maps Help Philippine Red Cross Respond Quickly to Hundreds of Disasters](#)
[Reveal: Mapping and Tracking the Spread of Deadly Diseases](#)
[Weathering Hurricane Florence](#)

Part 3: Disaster recovery

GIS case studies featured in the book

[Relief Workers Use Drone Imagery to Help Refugees](#)
[The Eye After the Hurricane](#)
[After a Disaster, Imagery Gives Insurance Companies a Clear Picture](#)
[Authorities Map and Model Damage from Deadly Tornado](#)
[Mapping the Needs of People Impacted by Deadly Tornadoes](#)

How to get started

[Resilient City Recovery Maps](#)
[Devastation in Nepal: Katmandu Before and After the April 2015 Earthquake](#)
[Katrina +10: A Decade of Change in New Orleans](#)
[Carr Fire Imagery](#)
[Learn ArcGIS Path for disaster recovery](#)
[Solution templates for disaster recovery](#)
[Disaster recovery @ esri.com](#)