



FEMA

HAZUS-MH: *Get Involved with Portal Technology*



A hurricane is headed toward Miami, Florida... Governor Crist has a map showing estimates of what will possibly be destroyed and the cost to recover

Heavy rains are swelling the Cooper River in South Carolina... Governor Sanford already sees the buildings and people that would be affected by flooding

South Carolina and Florida can model disaster impacts and better protect citizens with the HAZUS Portal Technology.

HAZUS provides a standard, quantified and geospatial view of the potential risks communities face.

With the HAZUS Portal, **share data between State Emergency Management, other state agencies, counties, cities and private sector entities** that participate in emergency support functions.

HAZUS gives decision makers standardized “what if” **disaster simulations** and **brings all agencies onto the same page.**

Use HAZUS-MH to identify:

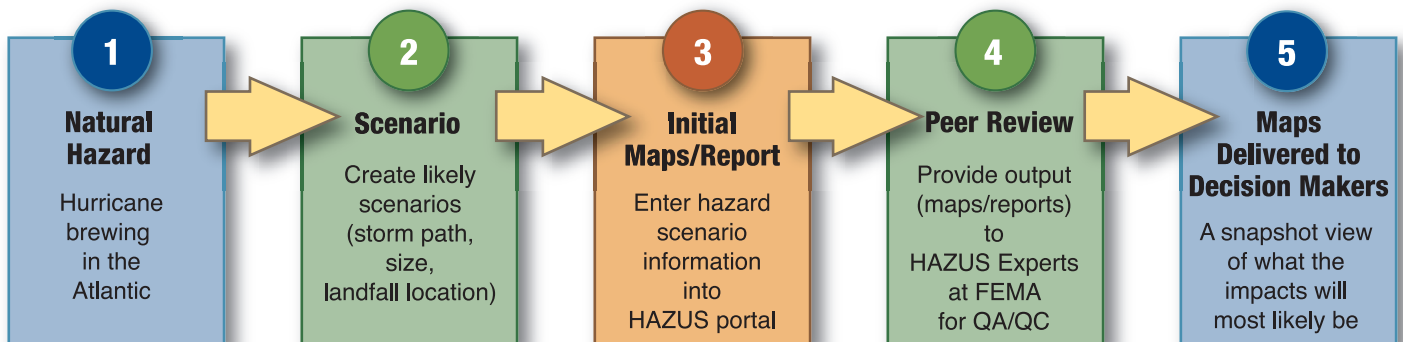
- Shelter requirements
- Impacts to essential facilities and transportation systems
- Economic losses including projections of job losses and business interruptions
- Costs to repair or reconstruct after a disaster based on earthquake, flood or hurricane

And much more information for preparedness, response, recovery, and mitigation planning.



Florida Governor Crist is working closely with FEMA to manage through disasters.

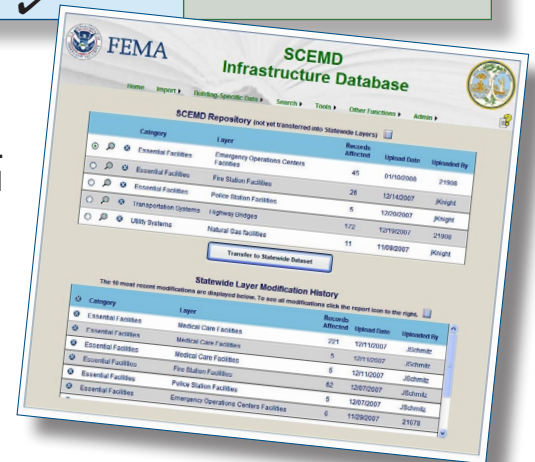
Example Real-Time Disaster Simulation Using HAZUS



HAZUS-MH Capabilities	Earthquake Ground Shaking Ground Failure	Flood Frequency Depth Discharge Velocity	Hurricane Pressure Missile Rain
Direct Damage			
General Building Stock	✓	✓	✓
Essential Facilities	✓	✓	✓
High Potential Loss Facilities	✓		
Transportation Systems	✓	✓	
Utility Systems	✓	✓	
Induced Damage			
Fire Following	✓		
Hazardous Materials Release	✓		
Debris Generation	✓	✓	✓
Direct Losses			
Cost of Repair	✓	✓	✓
Income Loss	✓	✓	✓
Crop Damage		✓	
Casualties	✓	Generic Output	
Shelter Needs	✓	✓	✓
Indirect Losses			
Supply Shortages	✓	✓	
Sales Decline	✓	✓	
Opportunity Costs	✓	✓	
Economic Loss	✓	✓	

South Carolina Pioneers the HAZUS Portal

South Carolina is utilizing HAZUS-MH to gain control over natural disasters. With the development of the first web-based portal to exchange HAZUS-MH data, the State enables communities to share information in a uniform way for a regional view of risk. FEMA funded the development of the portal which has been beta-tested. This technology was shared with Florida and is available to other States who wish to develop HAZUS portals. FEMA is now providing training to users. For more information, contact Joe Rachel, HAZUS Coordinator, FEMA Region IV, at Joseph.Rachel@dhs.gov or Amanda Loach, South Carolina POC, at aloach@emd.state.sc.us.



Florida Leverages HAZUS Peer Review Process, Builds HAZUS Portal

Florida now uses HAZUS-MH during emergency exercises. This enables a focused effort on areas of impact for State and local personnel by creating realistic situations, not loose estimations. FEMA also fine-tuned the peer-review process in partnership with Florida to support disaster operations when a storm is about to make landfall. In Florida, HAZUS-MH gives upper-level managers and policy makers a quick snapshot of a situation—who's going to be affected and what is the cost. Florida is developing a HAZUS portal using the technology pioneered by South Carolina. FEMA is providing the technical assistance and training. For more information, contact the South Carolina POC, Amanda Loach at aloach@emd.state.sc.us.

Governors—tell your emergency managers about HAZUS. It's free!

- ✓ HAZUS-MH GIS-based software toolset
- ✓ HAZUS-MH portal technology
- ✓ HAZUS-MH training
- ✓ FEMA-sponsored technical assistance

There is no better loss estimation model to prepare for earthquake, flood and hurricane-wind-related hazards. Contact FEMA to get plugged into the portal. For more information, Visit www.fema.gov/plan/prevent/hausuz/