Abstract

State of Massachusetts Vulnerability and Risk Assessment Study
Track: EMS, Fire, Disaster Management
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Massachusetts Emergency Management Agency (MEMA) updated their State Mitigation Plan to include a GIS based vulnerability and risk assessment for natural disasters. MEMA performed the update in two phases. The first phase consisted of gathering vulnerability and risk assessment data for historical events--including floods, wind, winter weather, geologic, and fire--then mapping the occurrences of these events. Once these event locations were mapped, the next phase was to determine the vulnerability of state facilities from an event. This presentation will discuss how ArcGIS technology was utilized throughout the project for creating data, managing data, analysis, and producing maps.

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