

## [U.S. Geological Survey Emergency Response to Evaluate and Support Natural and Human-induced Disasters: The EROS Experience](#) [1]

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### **Abstract:**

The United States Geological Survey (USGS) actively supports the urgent need for pre- and post-event geospatial products and services in support of natural disasters. These products and services are vital to monitor the changes, analyze their impacts, and help decision-makers quickly respond to the dynamic conditions within the impacted landscapes. How quickly we coordinate to compile, package, and provide relevant geospatial data products also remain a critical factor for emergency responders. The USGS Earth Resources Observation & Science (EROS) Center in Sioux Falls, SD plays a key role in disaster response coordination and mobilization of essential geospatial information products through a number of mechanisms outlined in this poster. They include participation in the International Charter – ‘Space and Major Disasters’ which provides a framework for international space agencies to offer relevant remote sensing data products to support global disaster relief efforts. Also highlighted is the USGS Hazards Data Distribution System (HDDS) that facilitates the integration, compilation, packaging, and dissemination of event-specific GIS and remote sensing datasets to support the disaster response efforts.

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