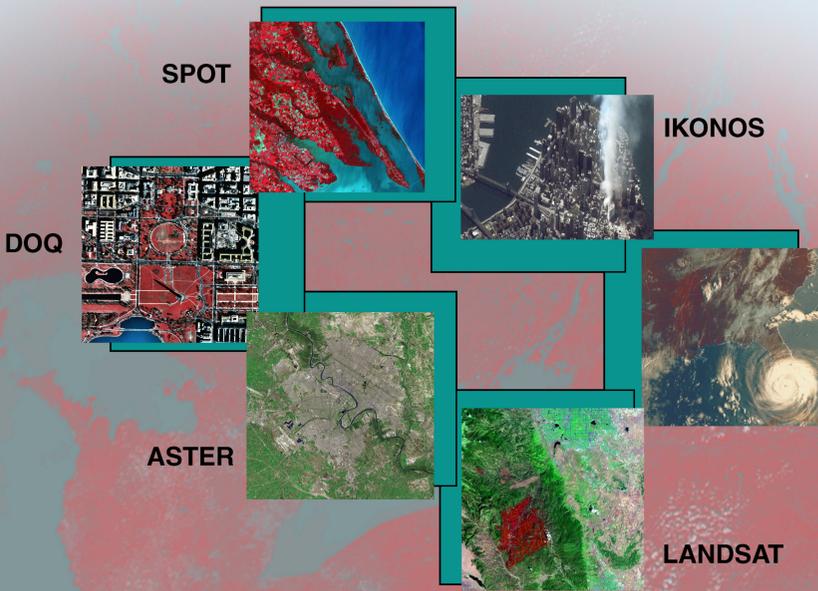
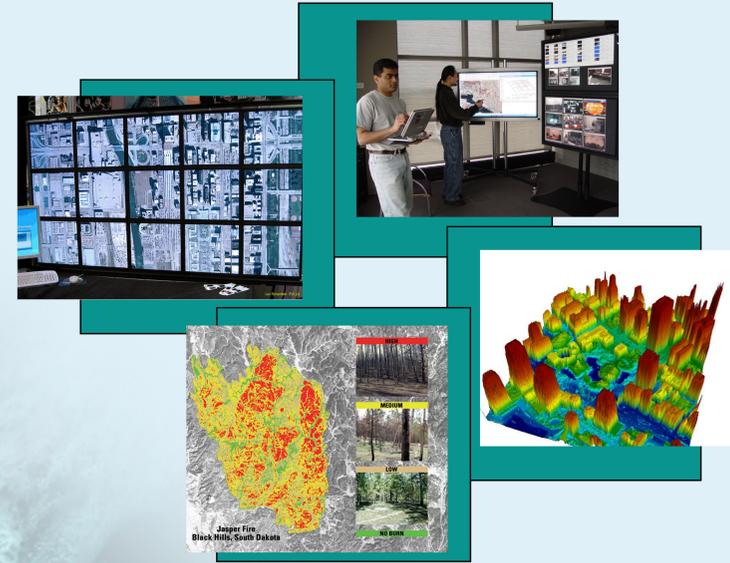


# The National Map Hazards Data Distribution System



## DATA ACQUISITION

Image data acquired from the applicable data providers must meet the criteria needed for responding to the event. The data is acquired in as timely a fashion as possible on a 24x7 basis. Value added processing will be applied as needed.



## RESEARCH

The USGS EDC collaborates in technical and research activities regarding digital data distribution, visualization, new sensor systems, data calibration and geo-rectification techniques, digital image processing and enhancement techniques, algorithm development, and the development of non-standard digital and graphic products in support of emergency response activities.



## VISUALIZATION

The National Map Hazards Data Distribution System (HDDS)

The USGS EROS Data Center (EDC) has been engaged in disaster and emergency response activities for a number of years. The HDDS system allows the USGS EDC to provide disaster first responders rapid and proactive support. The HDDS system supports sharing among agencies ensuring that the same images are being used by multiple agencies; that the data is easily accessible and in standard formats; and that the response community will have the opportunity to share their value added products.

[http://gisdata.usgs.net/website/Disaster\\_Response](http://gisdata.usgs.net/website/Disaster_Response)



## ARCHIVE

The data is accessible on-line until demand has diminished and the participating agencies agree that the data can be moved to near-line storage. At such time, the entire data set for a specific disaster is moved to USGS EDC's near-line robotic storage system and will remain there until no requests are received. The data will then be migrated to tape media and moved to the off-line, long term tape archive. A database maintains the contents of this off-line inventory.



## DATA DELIVERY

Once the data is acquired and processed, it is delivered in standard formats and map projections. The data delivery can be provided via the web, ftp, or media. Media deliveries occur only if the web and ftp access are not functioning.

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The background image acquired on September 18, 2003, from the NOAA16 satellite is of Hurricane Isabel as it approaches the east coast of the United States.