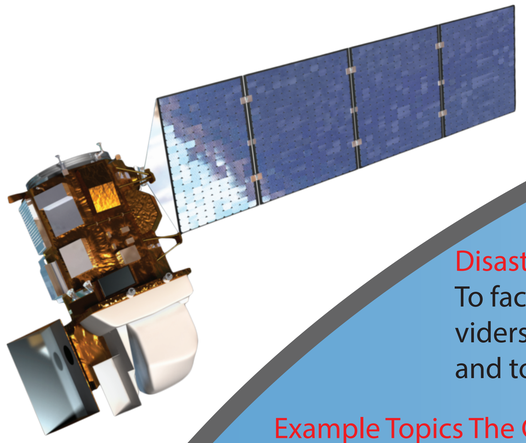

About The Cluster

Disasters Cluster Mission Statement:
To facilitate connections and coordinate efforts among data providers, managers and developers of disaster response systems and tools, and end-user communities within ESIP.

Example Topics The Cluster Can Address:
- Identify disaster response full-cycle.
- Map dataset types to disaster types by leveraging existing efforts.
- Assess and prioritize use-cases and user needs.
- Assess existing capabilities and processes.
- Assess common architecture patterns to disaster response.
- Develop webinars or other outreach plans to raise awareness with end-users.

Testbed Activities
The Disaster Cluster manages the Collaborative Common Operating Picture (C-COP) testbed. The goal of which is to identify and test ESIP member data sets to be recognized as trusted data sources for agencies and organizations responding to disasters.

Get Involved!

Join our email listserv!
Go to: http://goo.gl/E4uCdP
Or scan this QR Code with your phone:

Join our telecon meetings!
Every third Tuesday at 10 AM PT
Call in using WebEx

Connect with the Disaster Cluster wiki!
Go to: https://www.wiki.esipfed.org/index.php/Disasters
Or scan this QR Code with your phone:

Cluster Contacts
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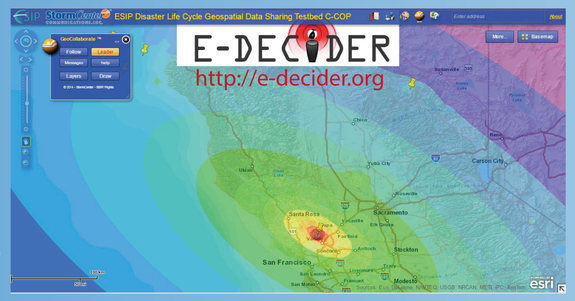
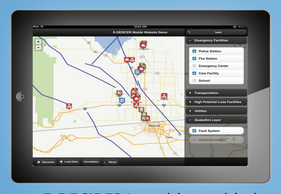
Poster by Sean Barberie, ESIP Student Fellow | srbarberie@alaska.edu

E-DECIDER & GeoGateway

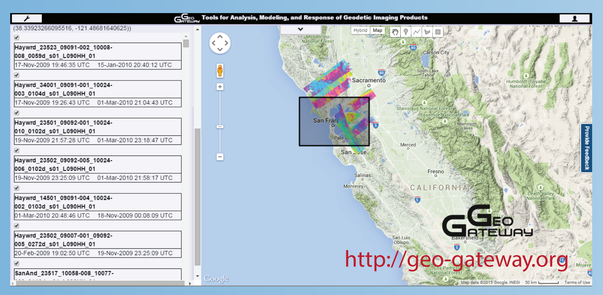
E-DECIDER (Emergency Data Enhanced Cyber-Infrastructure for Disaster Evaluation and Response) is a decision support system producing remote sensing and geophysical modeling products that are relevant to the emergency preparedness and response communities and serves as a gateway to enable the delivery of actionable information to these communities.



Shown in the figure to the left: E-DECIDER data products from the August 2014 M 6.0 South Napa California earthquake were imported into the C-COP testbed and are shown above in the collaborative environment.



E-DECIDER is moble-enabled for accessing geospatial data using a phone or tablet.



GeoGateway is shown in the above figure.
It is a search and analysis gateway for data products aimed at scientific discover, field use, and disaster response. The data sets prioritized by GeoGateway are the NASA UAVSAR data and GPS data that integrate with fault data, seismicity, and models.

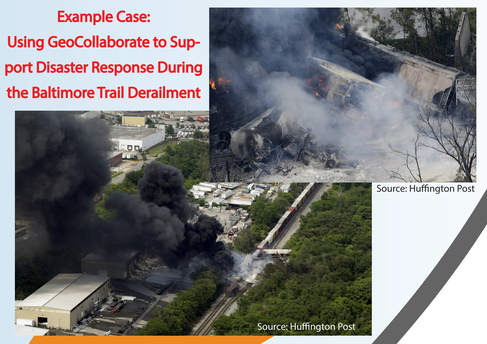
GeoCollaborate

By StormCenter Communications

Developments in data storage, data processing, and the Internet have gotten us this far, the next step in the evolution of big data has to do with leveraging interoperability and collaboration to turn knowledge into action.

GeoCollaborate™ introduces revolutionary new concepts for collaboration that include the human parameter, to make big data and mapping platforms more relevant and useful during decision making across both mobile and traditional computing platforms. GeoCollaborate™ empowers multiple users, in multiple locations, using a variety of digital display devices to share, manipulate, and interact with one another and the same sets of data simultaneously.

Example Case:
Using GeoCollaborate to Support Disaster Response During the Baltimore Trail Derailment



Test Drive GeoCollaborate Here:
www.GeoCollaborate.com

Public Safety Stakeholder App

Subject Matter Expert App

A subject matter expert uses a modeling tool and forecast data to create a plume model. Using GeoCollaborate the plume model appears in public safety stakeholder's applications where it can be paired with real-time stakeholder data to identify vulnerabilities and improve situational awareness.

GeoCollaborate™

StormCenter COMMUNICATIONS, INC.

ESIP MAKING DATA MATTER