Homeland Infrastructure Foundation Level Data (HIFLD) Working Group

HIFLD/HSIP Overview

August 2012

https://www.hifldwg.org/

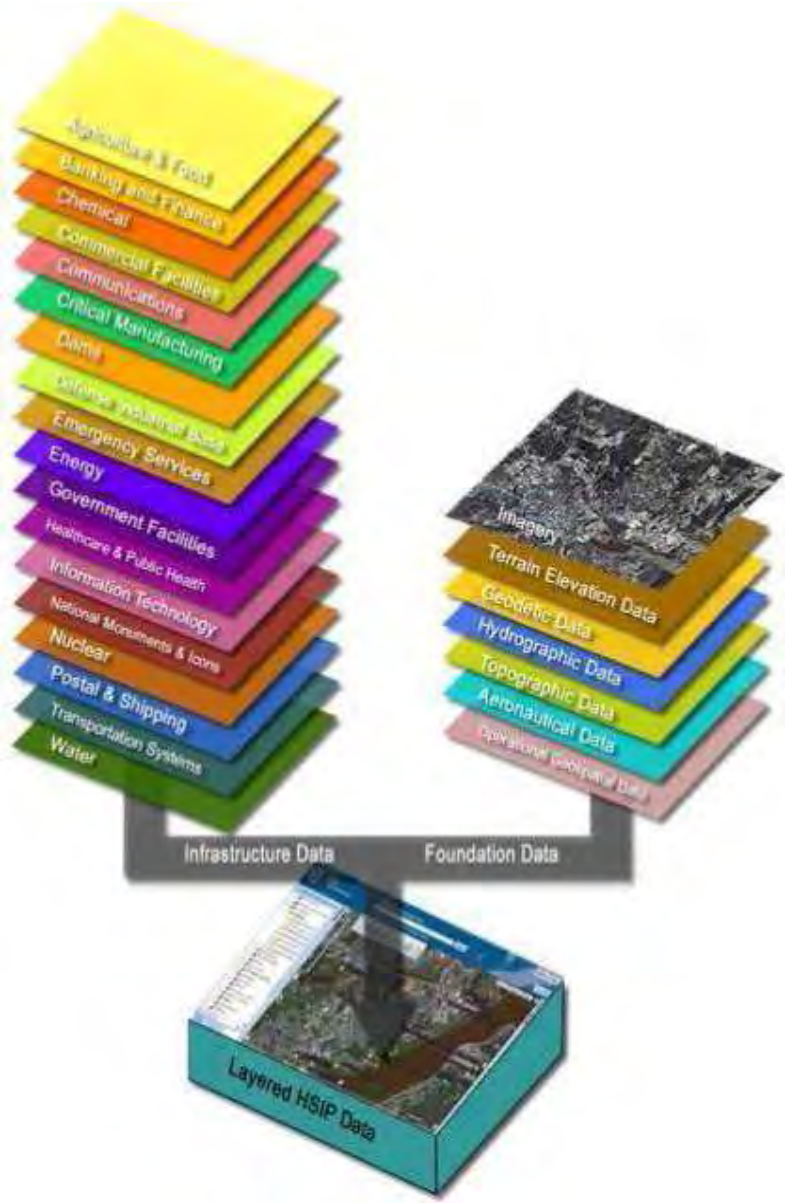
Presentation Agenda

- HIFLD & HSIP Overview
- HIFLD to the Regions Overview
- Regional & Federal Resources

HIFLD Objective

Support Domestic Infrastructure Data Gathering, Sharing and Protection, Visualization, and Spatial Knowledge Management for Homeland Defense, Homeland Security and Emergency Preparedness, Response and Recovery Communities

- **Everyone Wants Situational Awareness**
- **Everyone Wants a Common Operational Picture**



Both Require Common Foundation Data from Authoritative Sources
(everything has location)

Homeland Infrastructure Foundation Level Data (HIFLD) Working Group

HIFLD Official Members

Over 5,128 Contributing Partners From 14 Executive Departments, 94 Agencies and 50 States

Homeland Infrastructure Foundation Level Data (HIFLD) Working Group

Homeland Security Infrastructure Program (HSIP)

UNCLASSIFIED//FOUO

National Geospatial-Intelligence Agency

HSIP GOLD 2012

DVD 1 OF 5
Infrastructure Data

Total # of Requests: *683*
Total # of Supported Users: *161,354*

UNCLASSIFIED//FOUO

To aggressively capture, integrate and provide the Homeland Security, Homeland Defense and Emergency Preparedness, Response and Recovery community with ***common operational geospatially enabled baseline data*** *- create a user defined operational picture to analyze threat, support critical infrastructure protection and expedite readiness, response and recovery in the event of a man-made or natural disaster.*

UNCLASSIFIED//FOUO

HSIP FREEDOM 2012

via HSIN

UNCLASSIFIED//FOUO

HSIP Gold 2012

- **Compilation of ~450 Vector layers comprised of Commercial, Federal and State level Acquisitions.**
- **Delivers Common Operational Data to the GEOINT Analyst.**

LiDAR

- **Acquire unclassified high-resolution 1 meter elevation data over HSIP 133 major urban core areas of the U.S. – 5 year refresh schedule**

Imagery

- **Acquire unclassified high-resolution ortho-imagery *(12 inch GSD or better)* over HSIP 133 major urban areas of the U.S. – 2 year refresh schedule**

Government Data Providers

U.S. Department of Agriculture (USDA)
- Forest Service

U.S. Department of Commerce (DOC)
- U.S. Census Bureau
- National Oceanic and Atmospheric Administration (NOAA)

U.S. Department of Defense (DoD)
- National Geospatial-Intelligence Agency (NGA)
- Defense Installation Spatial Data Infrastructure (DISDI)
- Defense Contract Management Agency (DCMA)
- U.S. Army
- U.S. Army Corps of Engineers (USACE)
- National Guard Bureau (NGB)
- Air National Guard (ANG)
- Army National Guard (ARNG)

U.S. Department of Energy (DOE)
- Office of Energy Efficiency & Renewable Energy
- National Renewable Energy Lab (NREL)
- Office of Science
- Oak Ridge National Laboratory (ORNL)

U.S. Department of Health & Human Services (HHS)

State/Local

U.S. Department of Homeland Security (DHS)
- Federal Emergency Management Agency (FEMA)
- U.S. Coast Guard (USCG)
- U.S. Customs and Border Protection (CBP)
- Office of the Border Patrol

U.S. Department of the Interior (DOI)
- Bureau of Indian Affairs (BIA)
- Minerals Management Service (MMS)
- U.S. Fish and Wildlife Service
- U.S. Geological Survey (USGS)
- National Park Service

U.S. Department of Transportation (DOT)
- Federal Aviation Administration (FAA)
- Federal Railroad Administration (FRA)
- Bureau of Transportation Statistics

U.S. Department of Veterans Affairs (VA)

U.S. Environmental Protection Agency (EPA)

U.S. General Services Administration (GSA)

U.S. Nuclear Regulatory Commission (NRC)

U.S. Postal Service (USPS)

Federal Communications Commission (FCC)

Federal Deposit Insurance Corporation (FDIC)

National Credit Union Administration (NCUA)

Non-Governmental Organizations
- American Red Cross (ARC)
- Geospatial Multi-Agency Coordination

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HSIP Gold 2011 Commodity Data

- **NAVTEQ Corporation**
  - *Transportation*
  - *Core Points of Interest (hotels, restaurants, gas stations etc)*

- **Ventyx**
  - *Electrical Energy*

- **PLATTS**
  - *Oil and Natural Gas*

- **Dun and Bradstreet (D&B)**
  - *Manufacturing and Business Points*

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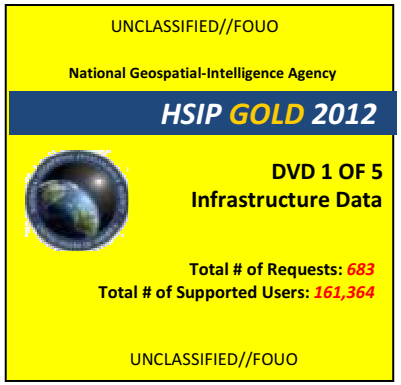
HSIP Gold 2012 Data Licensing



- **HSIP Gold Base Licensing (NGA Funded)**
  - *United States Federal Government License*
  - *Canadian Government Partnership License*
  - *Non-Federal Emergency Data Release License*
    - *The designated lead federal agency shall determine which non-Federal agencies receive access to the licensed data under a presidentially declared national emergencies or crisis.*

- **HSIP Gold Data Disclosure Non-Emergency (NGA Funded)**
  - *Non-Federal government disaster/emergency response agencies and/or personnel supporting the Homeland Security mission to "view" the data via a Federal Government owned, secure (i.e., password protected) system – restricted from downloading the data*

- **HSIP Gold Data Release & Disclosure Non-Emergency (NGA Funded for NAVTEQ Data Release)**
  - *In support of State Fusion Centers, EOCs, State GIS Coordinators, State National Guard Joint Operation Centers, and State Emergency Management Coordination*

HIFLD works to make HSIP data more readily accessible to all levels of Government and increase the use of common operational data

HIFLD to the Regions

(HTTR)

Homeland Infrastructure Foundation
Level Data (HIFLD) Working Group

HIFLD to the Regions (HTTR)

Purpose: To focus HIFLD support on assisting State priorities, get the HSIP data to all levels of government and build/strengthen federal, state, local government and private sector partnerships to enhance regional preparedness and response

Recent Events Supported:

- *Dissemination of HSIP Gold, Freedom, and Navteq State Release*
- *Regional HTTR Working Group Meetings*
- *NSGIC Mid-Year Conference*
- *FEMA RISC Meetings*
- *State Fusion Center Conference*
- *VA, ND, WV, DE, CA, FL, GA, and other State GIS Confs*
- *Super Bowls 2010, 2011 and 2012*
- *APEC Summit, NATO Summit*
- *2012 Hurricane season preparation conferences*

Ongoing and Upcoming Events:

- *Feedback on HSIP Gold, Freedom, and Navteq State Release*
- *National Guard - HSIP Gold Dissemination*
- *NSGIC Annual Conference*
- *2012 Democratic and Republican National Conventions*
- *Infrastructure Data Coordination for Winter Storms, Spring Flooding, Summer Fires, Fall Hurricanes, etc.*

Homeland Infrastructure Foundation Level Data (HIFLD) Working Group

HTTR in New England

New England Geospatial Users Group (NEGUG):

The New England Geospatial User Group is member led and seeks to connect and increase the level of collaboration among GIS professionals from the Emergency Management, Homeland Security and Homeland Defense fields. Our goal is to leverage and transfer existing capabilities, best practices and lessons learned among participating members.

- Meet monthly via HSIN Connect to discuss current successes, challenges and relevant projects.
- Members include GIS professionals from:
  - State & Local GIS Agencies
  - State & Local Emergency Management Agencies (EMAs)
  - State National Guard
  - State Fusion Centers

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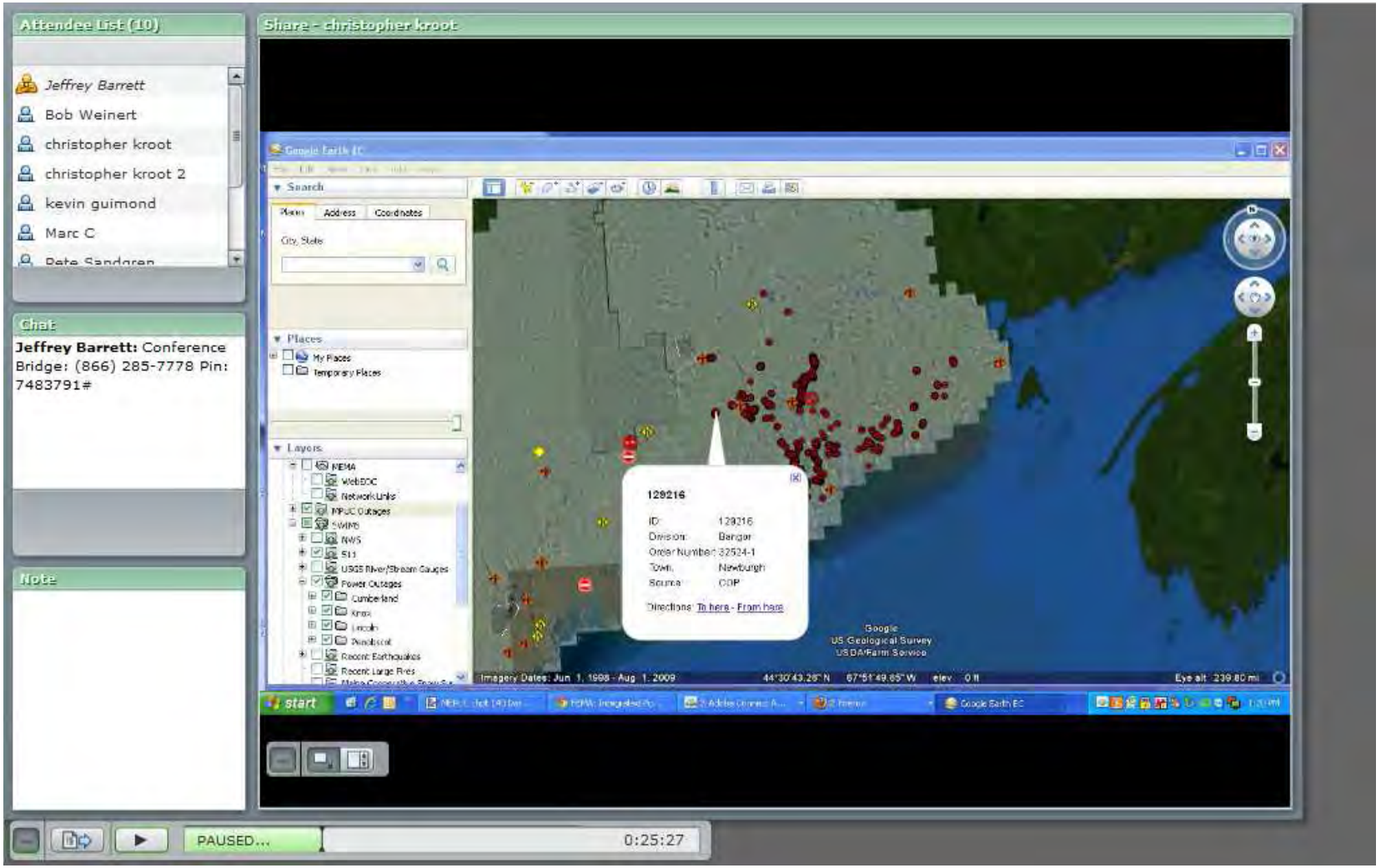
Webinars via HSIN Connect

https://connect.hsin.gov/



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New England Geospatial Users Group (NEGUG)

Regional Sharing Lessons Learned:

- Bringing people together to network, build relationships and share knowledge & best practices is a very powerful tool
- Common challenges exist among stakeholders despite different capabilities, platforms and resources
- Member presentations highlighting current work and successful projects are huge enablers
- Sometimes the best agenda is no agenda

Homeland Infrastructure Foundation Level Data (HIFLD) Working Group

Overview of Regional & Federal Resources

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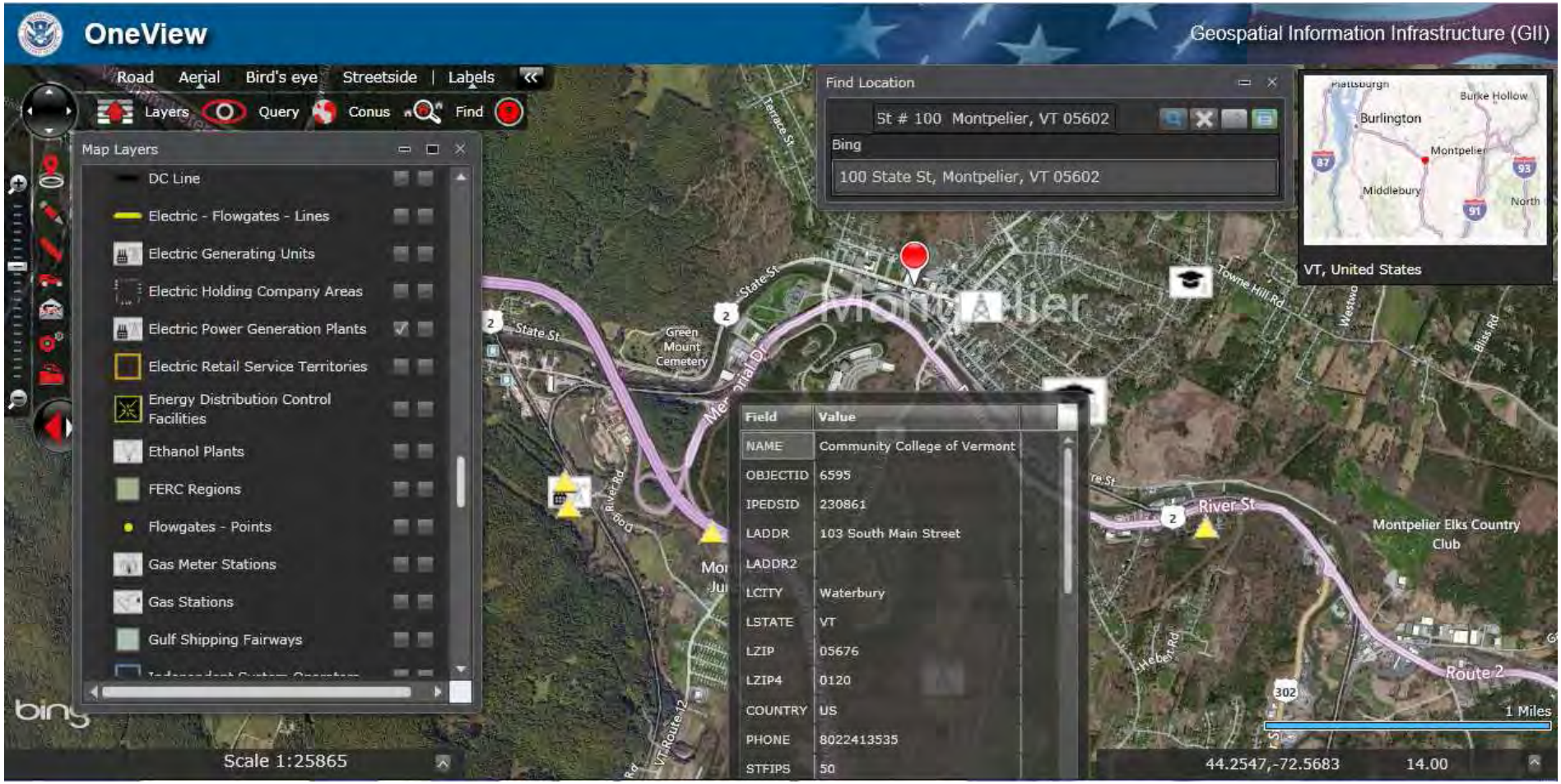
Viewers, Data Download & Feeds

- **Geospatial Information Infrastructure (GII)** https://gii.dhs.gov/
  - DHS OneView Viewer, DHS Earth for Google Earth, Data Services (WMS, WFS, MapServer, KML & REST)
- **Homeland-Defense Operational Planning System (HOPS)** https://hops-info.llnl.gov/
  - Access to HSIP 2012, Analytical tools such as chemical database & vulnerability studies.
- **Hazards Data Distribution System (HDDS)** http://hdds.usgs.gov/hdds2/
  - Access to imagery and relevant data organized by event.
- **vUSA** http://www.firstresponder.gov/Pages/VirtualUSA.aspx
  - Data Access/Sharing portal

DHS OneView https://gii.dhs.gov/



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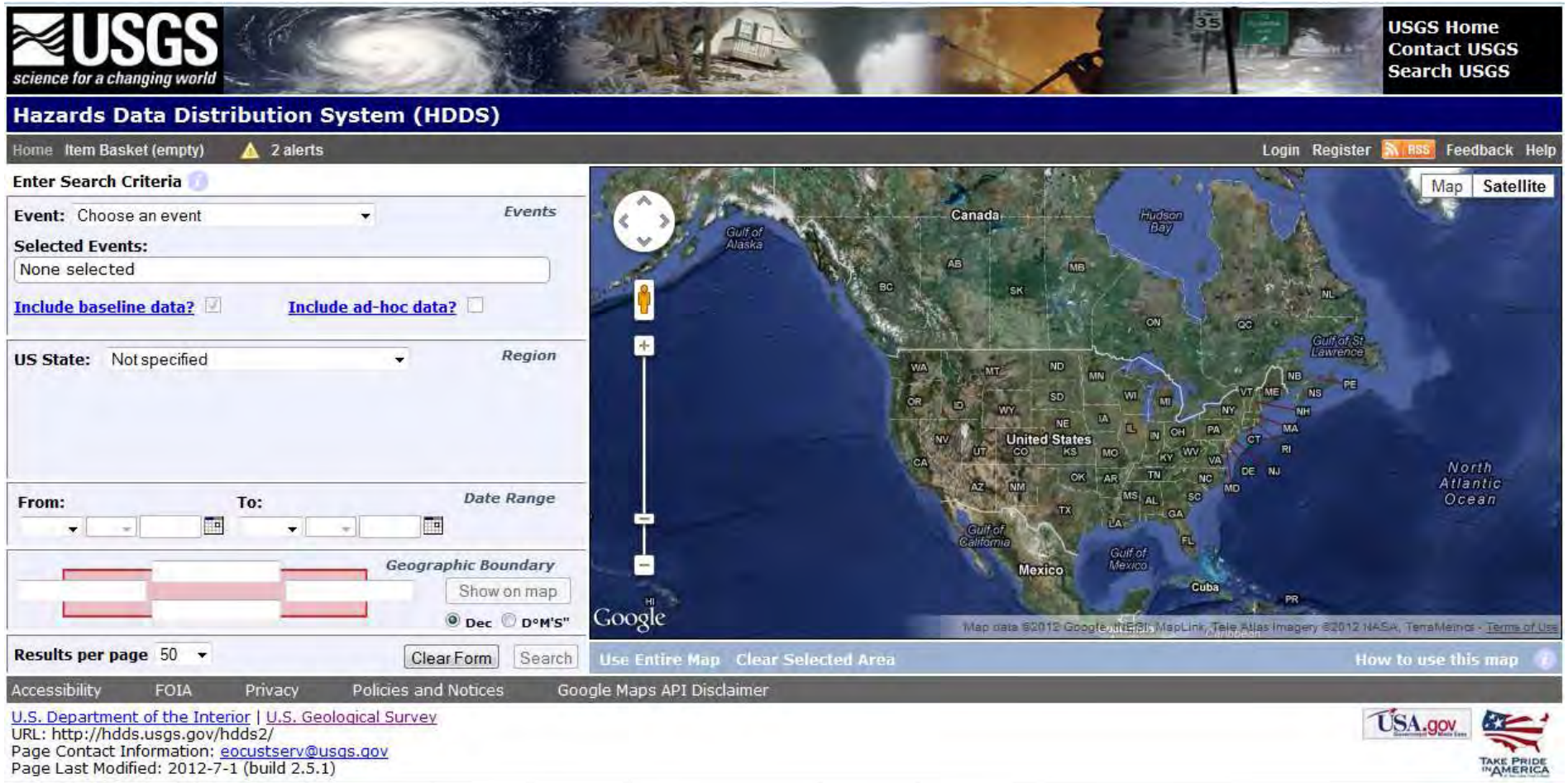
HDDS http://hdds.usgs.gov/hdds2/



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HTTR in New England

Disaster Response:

- Support data requirements/needs (HSIP Gold Requests)
- Provide information flow and updates between federal, state, local and private entities
- Create connections and feed into regional network
- Share event best practices, challenges and solutions among HLS, HD and EM contacts
- Deploy RGAs when necessary to support response effort

Inter-Agency Remote Sensing Coordination Cell (IRSCC)

IRSCC Coordination Call:

- Hosted by Brenda Jones of USGS Earth Resources Observation and Science (EROS) Center facilitates call. (Also leads International Charter for USA.)
- Opportunity for Federal, State & Local partners to request, track and receive updates on remote sensing missions and requests.

HSIN Page:

- https://government.hsin.gov/sites/EmergencyManagement/IRSCC/default.aspx
- Documents & Links to imagery & data & viewers.
- To request access send e-mail to: IRSCC-ExecSec@hq.dhs.gov

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IRSCC

HSIN Interagency Remote Sensing Coordination Cell

Membership Advanced Search Help Logout
Today is Tuesday, August 14, 2012

Home | Collaboration/Connect | Current Operations | Geospace | Plans | Request for Information | Executive Committee | Virtual Situation Room

Announcements

There are currently no active announcements. To add a new announcement, click "Add new announcement" below.

Add new announcement

Documents of Interest

Type	Name	Modified By
	IRSCC Contacts	Byron Cody
	Briefs	Christopher Vaughan1
	August 2011 Hurricane Irene	Byron Cody
	Joplin Missouri Tornado	Matthew Long
	National Level Exercise 2011	Matthew Long
	2011 SE Region Severe Weather	Matthew Long
	Lower Midwest Flooding Spring 2011	Byron Cody
	Daily Situation Brief	Byron Cody
	Spring 2011 Northern Plains Flooding	Byron Cody
	Google Earth Keyhole Markup Files	Byron Cody
	March 2011 Japan Earthquake and Related Events	Byron Cody

Add new document

Links

- All Partners Access Network
- UN-SPIDER Knowledge Portal
- GeoEye EyeQ
- National Weather Service Pacific Tsunami Warning Center
- National Geospatial-Intelligence Agency Web-based Access and Retrieval Portal (WARP)
- United States Geological Survey Hazards Data Distribution Service
- GEOINT Online
- https://palanterra.nga.mil/
- NASA MODIS Near-Real-Time Imagery - Lower Mississippi (USA7)

FEMA R1 GIS Disaster Response

Regional EM Geospatial Response Procedures:

- Outlines Key Player responsibilities among and between Federal, State & Local agencies
- Provides instructions for coordination of data & products, among States, Remote Sensing, Modeling, data requests etc.
- Data Management and Documentation
- 7 Chapters & 14 Appendixes

Establishes GIS Coordination Calls

- Provides template but adapts to situational needs
- Federal EM Geospatial Working Group – New England

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Summary

- HIFLD community participation continues to steadily grow
- HIFLD provides improved geospatial capability for HLS, HD and EPR &R communities
- HTTR Provides increased access to data, products and best practices
- HTTR offers connectivity to mission partners and key stakeholders around the Region
- Regional event information is accessible via online resources, coordination calls and through relationships with key stakeholders & partners

Thanks For Your Time and Discussion

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https://www.hifldwg.org/

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