



# Operational Support from DHS



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# Agenda

- Welcome!
- DHS – 8 to 10 AM
  - Intro to IP – Jennifer McCarron
  - NICC – Shawn Graff
  - PSA Program/JFO Support – Ollie Gagnon
  - Analysis and Hurricanes – Dean Checknita
  - Geospatial Support – Catherine Scovel
  - Q&A
- Break – 10 to 10:30 AM
- DHS/NGA/USGS/DoD – 10:30 AM – 12PM
  - DHS - IRSCC/Remote Sensing – Nabeela Barbari
  - HIFLD/HSIP/HTTR/DEP/iCAV – Jennifer McCarron
  - NGA Video
  - USGS – Steve Hammond
  - DoD – Todd Spangler
  - Q&A



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# What is DHS IP?

- **Vision** - A safe, secure, and resilient critical infrastructure based on and sustained through strong public and private partnerships.
- **Mission** - Lead the national effort to mitigate terrorism risk to, strengthen the protection of, and enhance the all-hazard resilience of the Nation's critical infrastructure.



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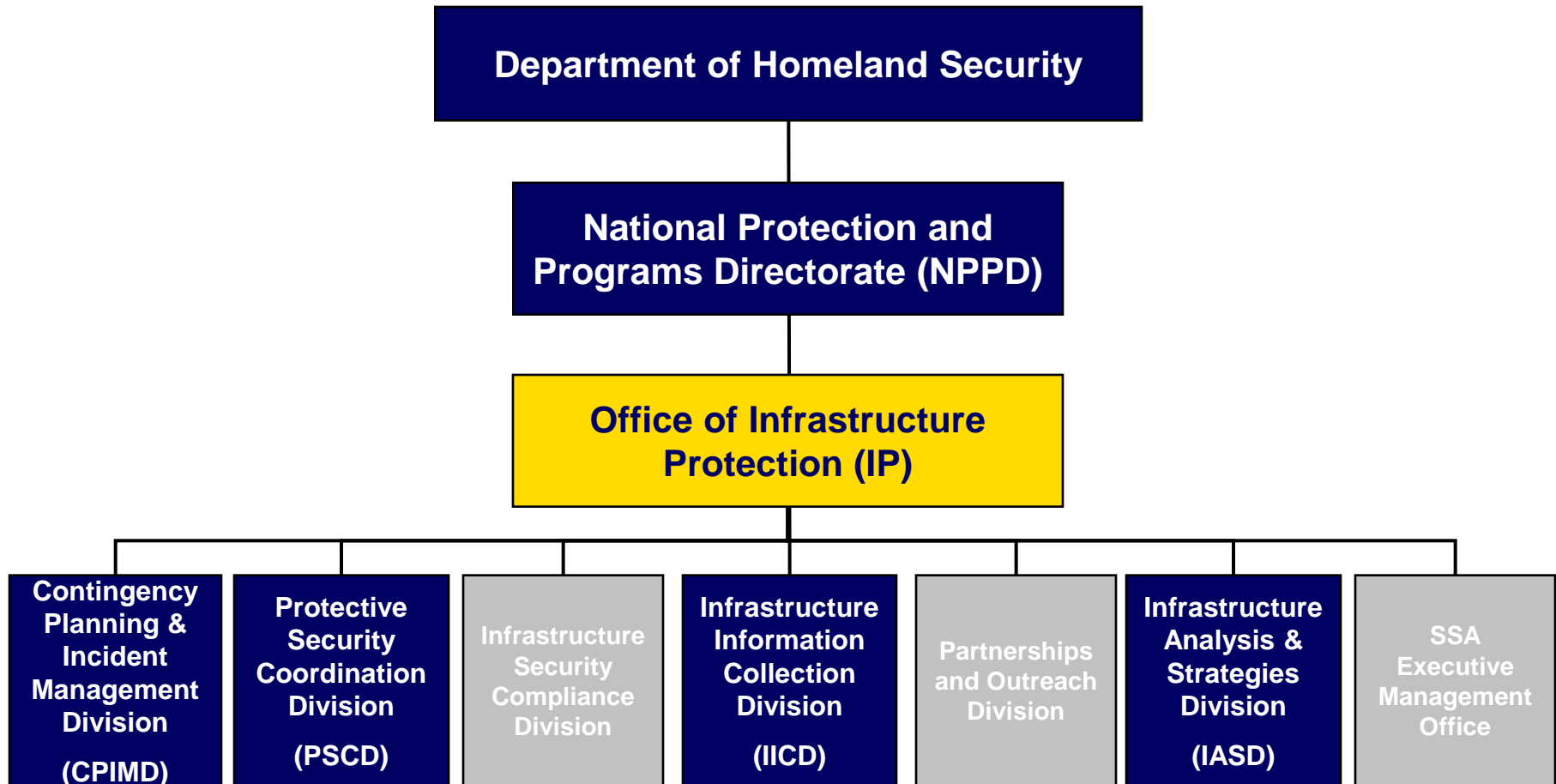


# What is CIKR?

- Critical Infrastructure are the assets, systems, and networks, whether physical or virtual, so vital to the United States that their incapacitation or destruction would have a debilitating effect on security, national economic security, public health or safety, or any combination thereof.
- Key Resources are publicly or privately controlled resources essential to the minimal operations of the economy and government.
- DHS IP is looking at CIKR from a national and regional level
- Approximately **85%** of CIKR is privately owned
  - Public/Private partnerships are KEY to CIKR protection!

# Office of Infrastructure Protection

## Operational Components



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# CPIMD

- Continuity of Operations (COOP)
  - Mission Essential Functions (MEF's)
  - Alternate Work Site
- Exercises
  - TOPOFF 4
  - NLE 09
  - NLE 10
- Incident Response Training
  - Developed for personnel supporting MEF's
- NICC



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# PSCD

- Regional approach to CIKR protection
  - 8 Regions
  - 89 Protective Security Advisors
- Site Assistance Visits
  - Helping the sites protect themselves
- Buffer Zone Protection Plans
- Incident Response – JFO Support
  - Infrastructure Liaison

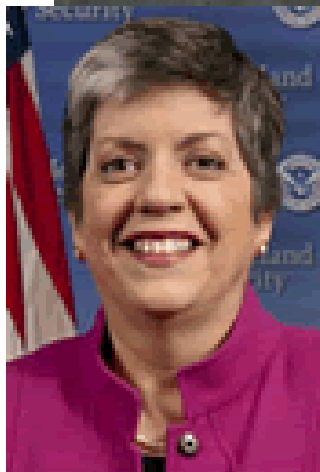


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# IASD

- Analysis
  - Consequence (incident)
  - Risk
- Modeling and Simulation
- Regular Incident and Analysis Reporting
- Our link to DHS Intel & Analysis Directorate
- Secretary Napolitano's Crisis Action Team (CAT) Support
  - Directly links IP to the S1



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# IICD

- Technology
  - iCAV
  - DHS Earth
  - ACAMS
- Data
  - HIFLD/HSIP
  - HIFLD to the Regions
  - Data Exchange Partnership
  - PCII
- Geospatial
  - Cartographic Production
  - Imagery/Remote Sensing
  - Deployed Personnel



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# Beginning of Presentation 2



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# HIFLD Working Group

- Homeland Infrastructure Foundation Level Data (HIFLD)
  - Everyone wants situational awareness and a COP – both require foundation authoritative data
  - Main audiences – geospatial data/info requirement organizations, geospatial capability providers (web services), CIKR leads/NRF SME's
  - Key Interagency Participants: DHS, NGA, USGS, OASD DCIP (Homeland Defense and Americas' Security Affairs)/DoD
- Benefits
  - Partnership building among Fed/State/Local
  - Federal access to free Homeland Security Infrastructure Program (HSIP) data
  - State access to HSIP Freedom data
- Become a member – [www.hifldwg.org](http://www.hifldwg.org)



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# What is HSIP?

- CIKR data purchased or shared through a partnership
- Developed to save federal entities money
  - Multiple data purchases within the same agency
  - Data redundantly purchased across federal government
- Developed by the HIFLD Working Group
- News!
  - HSIP Gold 2010 just released a month ago
  - HSIP Freedom 2010 currently in the works...more to come in following month or two



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# HSIP

## ■ HSIP Gold

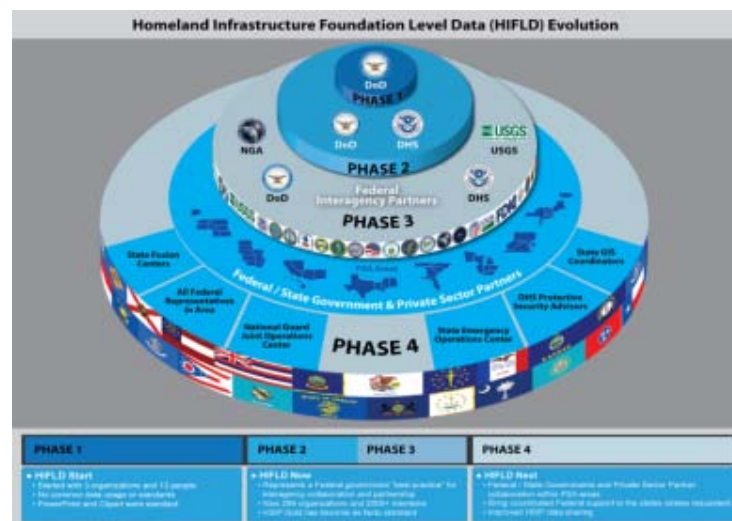
- Over 350 datasets focused on CIKR
- Collection Requirements driven by HIFLD WG
- Available to Feds on CD
- Available as view only to States (new in 2010)
- Future goal is to host data on web site and through WFS

## ■ HSIP Freedom

- Over 150 datasets focused on CIKR (subset of Gold)
- Less license restrictions than Gold (not funded to purchase blanket licensing across state level)
- Available for download off HSIN GIS Portal (<http://government.hsin.gov>)
- Available for free to States

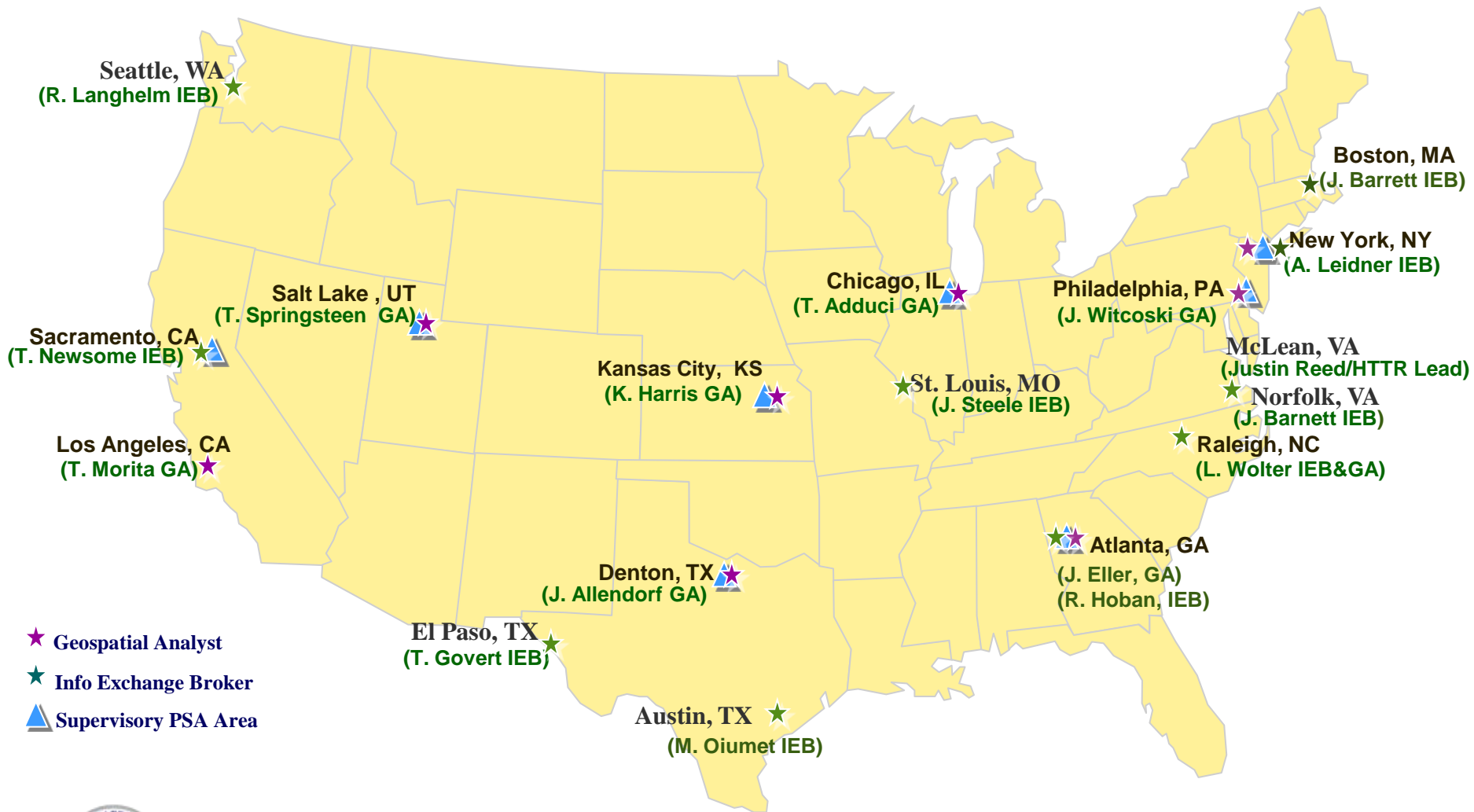
# HIFLD to the Regions Mission

- Advance the success of the national level HIFLD Working Group by deploying a similar capability into the eight PSA Areas as part of a “HIFLD to the Regions” (HTTR) effort
- Focus support on State and Local priorities and issues to:
  - Extend Awareness and Reach of Federal Infrastructure Protection Resources
  - Increase and Enhance Regional Activities
  - Strengthen Federal, State, local and Private Sector Partnerships



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# HIFLD to the Regions Team (as of Feb 2010)



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# Data Exchange Partnership (DEP)

- **The DEP is designed to:**

- Serve as a valuable resource that can complement the data collected by the annual T1/T2 Data Call
- Strengthen the collaborative relationships between states' Homeland Security Advisors (HSA), Protective Security Advisors (PSA), Sector Specific Agencies (SSA) and local representatives
- Increase the knowledge of the IP mission and available resources, using the HIFLD to the Regions (HTTR) Information Exchange Brokers (IEB) as conduits between IP and regional, state, and local agencies
- Support IP's mission and the missions of its partners by improving the quality of critical infrastructure data

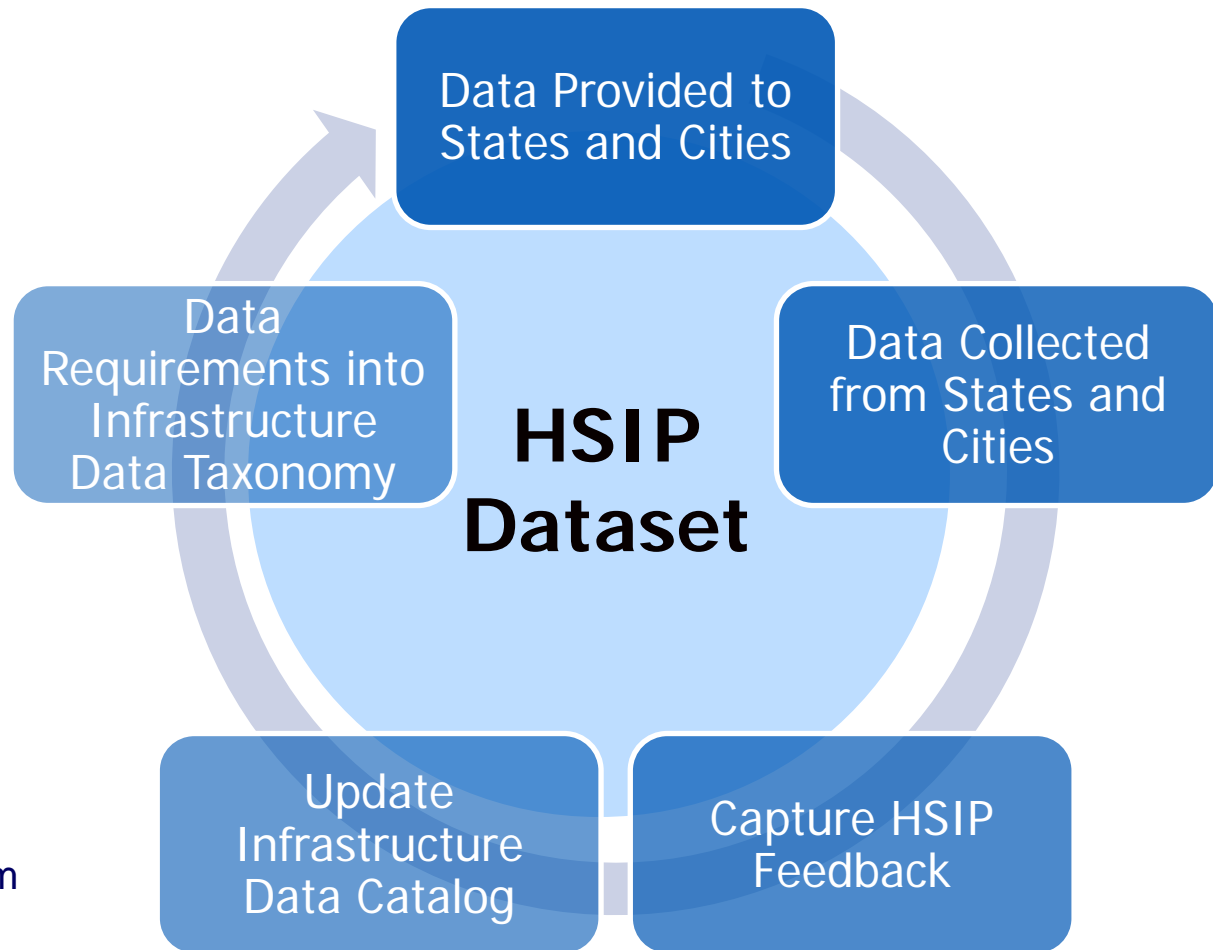


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# Continuous HSIP Refinement

- The continuous cycle of improving the HSIP dataset is enhanced by:
  - HTTR IEB interactions within the regions
  - IICD developing data standards, technology and processes to collect, manage and share data
  - IICD capturing data requirements through the Infrastructure Data Taxonomy
  - DoD, DHS, NGA and HIFLD members providing feedback and comments through HSIP Feedback mechanism



# HIFLD to the Regions Way Forward

- Identify Priorities for Partnering (States, Regional Partners and Conferences)
  - States: NY/NJ, FLA, LA, TX, AZ, CA, WA, NC, GA, PA, IL, CO, AZ, MI, MD/DC/VA, PR
  - Regional Partners: PSAs, NSGIC, State Fusion Centers, National Guard, FBI, USGS, State EOC, HSA, FEMA, EPA, DCO
  - Conferences: NSGIC, ESRI, GITA, USGIF GEOINT, IAEM, CIO Councils, AFCEA, PSA Regional, WMD-CST Regional, Fusion Centers
- Identify Priorities for GECCOs
  - Phoenix, Houston, Miami, NY/NJ, Philadelphia, Boston, Los Angeles, San Diego, Chicago, New Orleans, Denver
- Prioritize Key Activities
  - Projects: Virtual USA, RRAPS, SAVs, USCG Ports/NG, All Hazards Consortium, Regional HIFLD Meetings



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# iCAV Applications Overview

- Geospatial visualization and analysis capabilities with two Web-based viewers:

- iCAV Next Generation (NextGen)
- DHS Earth (Google Earth Based)

- Provides access to:

- All HSIP layers
- Google imagery base
- HurricaneMapping.com
- LandScan data
- GeoMAC and MODIS fire data

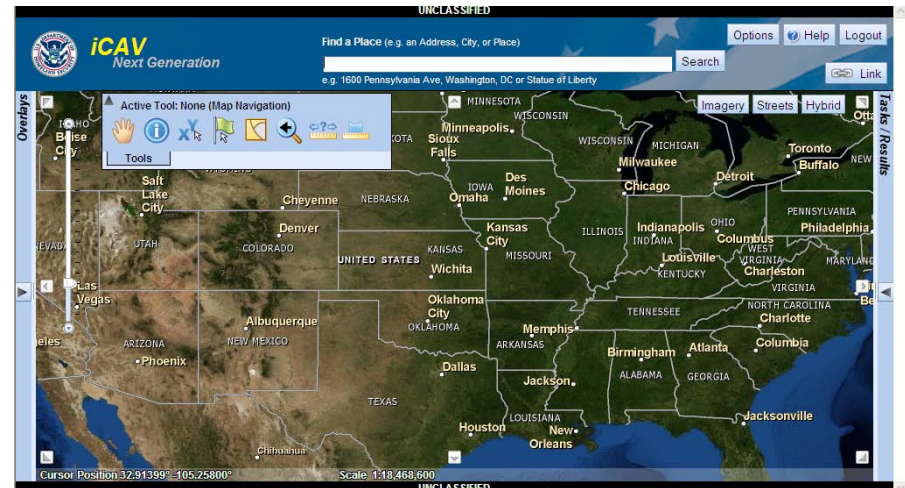
- User authentication via Homeland Security Information Network (HSIN)

- Free to Federal/State/Local HLS partners

- <https://icav.dhs.gov>

- [lcav.info@dhs.gov](mailto:lcav.info@dhs.gov)

## iCAV Next Gen



## DHS Earth

# Questions?

- Contact Information:
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  - HIFLD
    - [www.hifldwg.org](http://www.hifldwg.org)
  - HSIN
    - <http://government.hsin.gov>



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# Homeland Security