FDLP Academy
April 29, 2020

DHS Geospatial Management Office (GMO) Open Resources

U.S. DEPARTMENT OF HOMELAND SECURITY
OFFICE OF THE CHIEF INFORMATION OFFICER
GEOSPATIAL MANAGEMENT OFFICE
Agenda

• DHS Geospatial Management Office
  • Background/About
• Homeland Infrastructure Foundation Level Data (HIFLD)
  • HIFLD Open
  • HIFLD Secure
• GeoSpatial Concept of Operations (GeoCONOPS)
• Geospatial Information Infrastructure (GII)
• Questions
The GMO provides homeland security operators the secure reliable platform and tools they need for geospatial analysis, visualization, mapping, and collaboration on diverse sets of mission critical data.

**Enterprise Access to Mission-Essential Geospatial Data**
- Provides enterprise access to mission essential geospatial data
- Supports and maintains DHS geospatial applications
- Maintains a shared geospatial architecture
- Synchronizes intergovernmental policies, strategies, tools, and services

**Analysis, Visualization and Collaboration**
- Increases access to and sharing of geospatial information
- Provides geospatial visualization through GeoCoding as a Service
- Supports interactive and heat mapping
- Collects and provides access to imagery, base maps, operational data, and foundation data

**Training and Operational Support**
- Provides GeoTechnical Support as a Service
- Builds geospatial tradecraft
- Standardizes operating procedures
- Provides field self-service applications, tools, and services

Increase geospatial information sharing and access for situational awareness, better intelligence and deeper analytics.
Core Capabilities

Homeland Security Infrastructure-Level Data (HIFLD)

DHS NOC COP Application

Geospatial Concept of Operations (GeoCONOPS)

Homeland Security Enterprise (HSE)

Geospatial Information Infrastructure (GII)
A federal partnership and governance structure delivering mission critical geospatial data required to protect and defend the homeland.
HIFLD Open - GeoPlatform

- Available to all
- Over 300 layers
- Download by shapefile, csv, KML
- Link to APIs
- As data are updated, they are reposted

https://hifld-geoplatform.opendata.arcgis.com
HIFLD Open Website Demonstration
HIFLD Secure

- Requires a Homeland Security Information Network (HSIN) account
- Over 100 layers
- Secure vs. Secure and Licensed

https://gii.dhs.gov/HIFLD/data/secure/
## Q1 FY20 HIFLD Open & Secure Updates

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<th>Layer Name</th>
<th>Platform</th>
<th>Update/Notes</th>
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<td>U.S. Federal Reserve Systems</td>
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<td>Intermodal Freight Facilities</td>
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<td>National Inventory of Dams (NID)</td>
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<td>Defense Industrial Base (DIB) Facilities</td>
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<td>Office for Bombing Prevention (OBP) National Counter-IED Capabilities Analysis Database (NCCAD)</td>
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*During the time of a presidentially-declared national emergency or crisis, NGA and/or designee may provide full access of the entire data set to non-Federal governmental disaster/emergency response agencies and personnel (referred to as “State, Local, Tribal, and Territorial Mission Partners”) who are supporting HLS/HD missions. You must provide your FEMA POD number to obtain access during these instances.*
Catalog of how federal, state, and locals are supporting the Homeland Security mission geospatially.

Available to all

Nothing hosted on the site – only how to access

Updated as new material is available

Dependent on community input

https://cms.geoplatform.gov/geoconops/geoconops-home
Written as a response to Hurricane Katrina support

Documented who is involved and what data and products are needed

“When this happens, do this.”

Available, but not updated
GeoCONOPS Website Demonstration

https://cms.geoplatform.gov/geoconops/geoconops-home
• Sensitive But Unclassified (SBU)-level platform to host shared geospatial enterprise applications, tools, and information

• Available to all users across the entire homeland security/defense enterprise (Federal, State, Local, Tribal and Territories)

• Search, discover and access:
  • Imagery & Base Maps
  • DHS Operational Data
  • Foundational Data

• Access existing common applications and services
  • Geocoding, DHS COP, etc.
• Store and share geospatial information
  • Private or public based on requirements
• Create and share derived geospatial products
  • Easily build interactive maps and custom apps
    • Field Collection, Story Maps, Heat Maps, Dashboards, Situational Awareness App

https://gii.dhs.gov/gii
Contacts and URLs

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