



Geospatial Platform Update

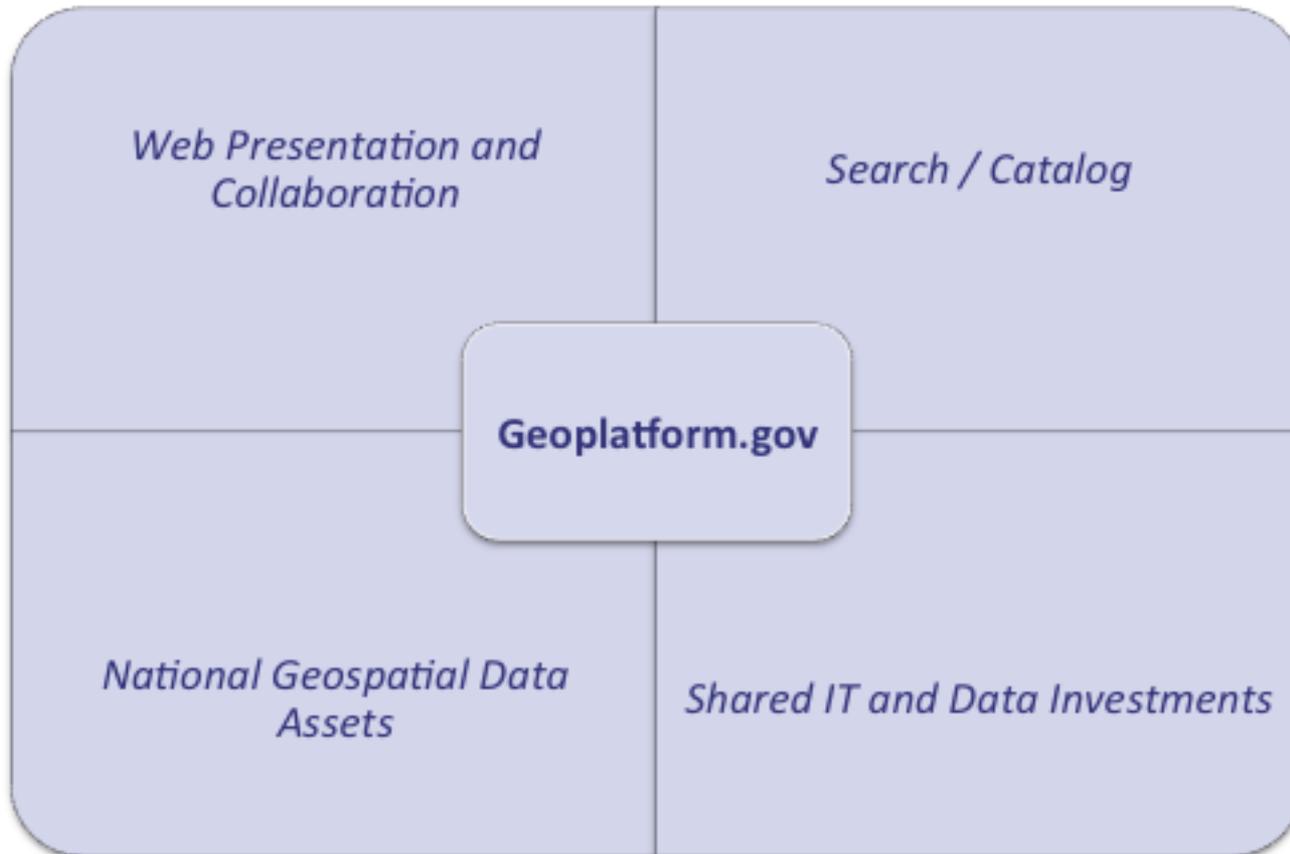
Overview and Current Status

FGDC Steering Committee

December 2015

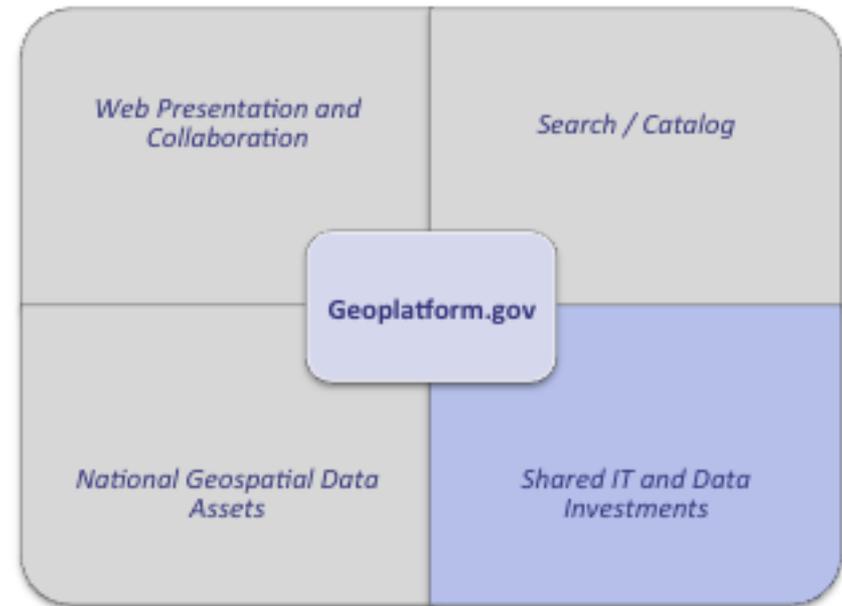
U.S. Department of the Interior

Geospatial Platform Components



Geospatial Platform – Shared Investments

- Common data / application hosting infrastructure to enable agencies to save time and money
 - **Two AGOL Organizations are being provisioned:**
 - **Unlimited use for Federal ELA Customers**
 - **Limited access for all Geoplatform users**
 - Security authorization underway for shared Amazon Web Services hosting environment: Anticipated availability January 2016 (Authority to Operate anticipated for December)
 - Each FGDC agency will be able to create an IAA for procuring:
 - ArcGIS Server / Portal
 - OpenGeo Stack

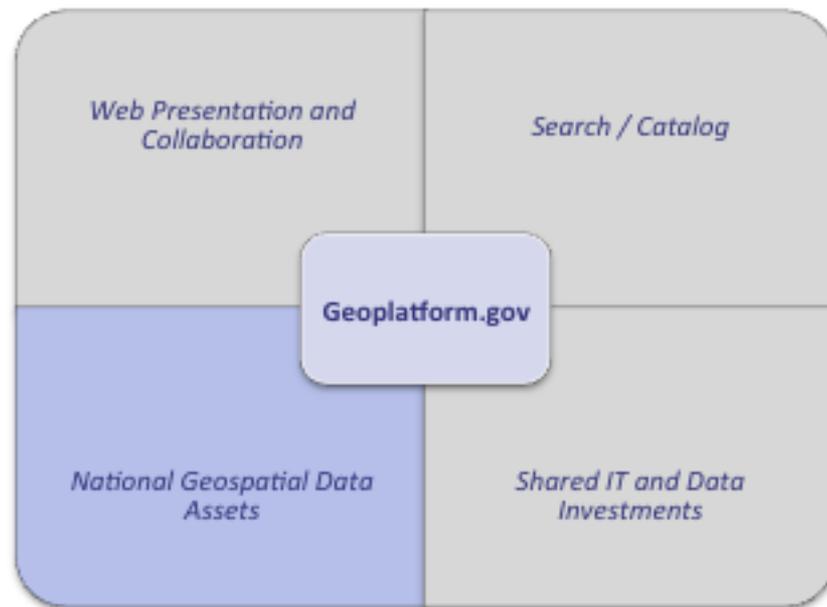


Developing shared IT security documentation for the common hosting environment – leveraging DOI Foundational Cloud Hosting Contract and existing relationship with Esri



Geospatial Platform – NGDAs

- **100%** of NGDAs now registered on Geoplatform.gov!
- NGDA lifecycle maturity assessment surveys have been completed and metrics are being discussed with data set managers (Thank you FGDC community!)
- Work ahead...
 - Many of these metadata records do not yet point to web service endpoints
 - Some point to many web service endpoints
 - Technical assessment of next steps is underway, will be following up with data set managers in near future



Lifecycle Maturity

Select a NGDA Dataset Lifecycle Maturity Assessment survey from the drop-down below. Surveys are added quarterly, and include in the title their Fiscal Year and Quarter. You may choose to filter by Theme or Agency using the Selection Type and Selection drop-downs. For more details, click on a rating box (cell) or hover over column headings.

Legend

Survey: | Selection Type: | Selection: | Export as:

Dataset	General	Define	Inventory Evaluation	Obtain	Access	Maintain	Use Evaluation	Archive	Overall	Agency
Theme Rollup										
Bailey's Ecoregions And Subregions Of The United States, Puerto Rico, And The U.S. Virgin Islands - Direct Download										USDA-USFS
Environmental Sensitivity Index (ESI) Data Viewer and REST Services for Atlases										DOC-NOAA
FWS Critical Habitat for Threatened and Endangered Species Dataset										DOI-FWS
Omernik's Level III Ecoregions Of The Conterminous United States										USEPA
Terrestrial Ecosystems of the Conterminous United States										DOI-USGS
U.S. Geological Survey Gap Analysis Program Species Distribution Models										DOI-USGS
U.S. Geological Survey Gap Analysis Program Species Ranges										DOI-USGS

Tip: Hover over a column name to view the questions associated with it. Click the chart icon within a cell to view its visualized graph.



Next Release of Geoplatform.gov (Rel. 3)

- Preview Release

- While security hardening and documentation is underway, current features are now available at our “preview” release site:

- <https://portal.geoplatform.us>

- Preview Release software will replace current build of geoplatform.gov in ~January

- Preview Release Includes (screenshots follow)...

- New Homepage and overall responsive site design

- Interactive browse / view / mashup of all geospatial web services in Geoplatform.gov catalog with service quality indicators

- Map saving and sharing

- A-16 Portfolio management dashboard

Please create an account and take a look!

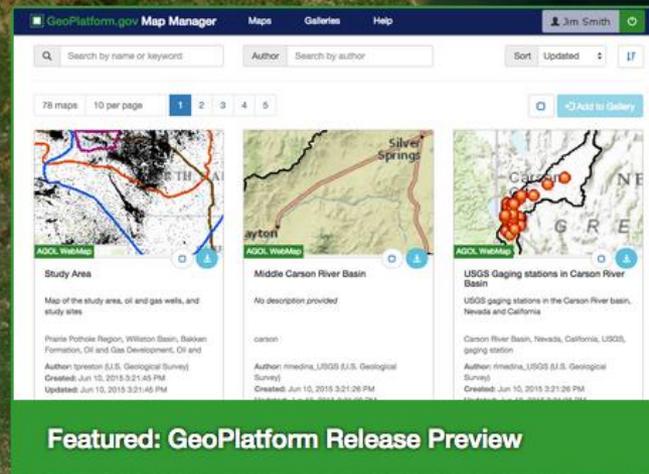


Welcome to GeoPlatform.gov

The GeoPlatform provides shared and trusted geospatial data, services, and applications for use by the public and by government agencies and partners to meet their mission needs.

GeoPlatform users have access to

- A one-stop shop to deliver trusted, consistent data & services
- Authoritative data to support informed decision making
- Reusable applications and services for Federal govt and non-govt use
- A shared infrastructure to host data and applications
- A focal point where governmental, academic, private, and public data can be visualized together to inform and address national and regional issues

[Sign up!](#)


The screenshot shows the 'GeoPlatform.gov Map Manager' interface. It features a search bar, a user profile for 'Jim Smith', and a gallery of maps. Three map thumbnails are visible, each with a title and a brief description. The first map is titled 'Study Area' and shows a map of the study area, oil and gas wells, and study sites. The second map is titled 'Middle Carson River Basin' and has no description provided. The third map is titled 'USGS Gaging stations in Carson River Basin' and shows USGS gaging stations in the Carson River basin, Nevada and California. A green banner at the bottom of the screenshot reads 'Featured: GeoPlatform Release Preview'.

WHAT'S NEW



Featured App: Web Map Viewer

Browse thousands of WMS and ESRI-hosted map layers, construct maps, and more with the new and improved Web Map Viewer!

[Launch WMV](#)


Map Collaboration

Learn how to compose and share maps using open services with GeoPlatform.

[Learn more](#)


AGOL Map Harvester

Quickly and easily integrate existing ArcGIS Online maps into your GeoPlatform pages using the Map Harvester service!

[Learn more](#)

First Time Here?

GeoPlatform.gov was created to enhance geospatial resource sharing across the U.S. Government and the world, and to allow users like you to participate in an online geospatial services experience. Whether you want to discover and use up-to-date National Geospatial Data Assets, make a shared Open Map Gallery for your website, integrate quality National data into your own web application, or more, GeoPlatform.gov is a place to stay connected to a fast evolving geospatial service ecosystem.



Create an Account

With an account, you can access thousands of datasets uploaded by others and contribute your



Collaborate with Others

Share your expertise or find experts to help with your geospatial data needs, join one of



Register your Data

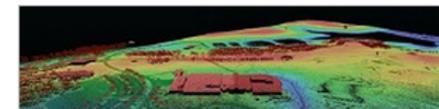
Register your data in [Data.gov](#) and we'll add it to GeoPlatform.gov so others can

My Account

Already have an account? Go ahead and login! Don't have an account? Sign up now. It's quick and free!

[Login](#)
[Create an Account](#)

★ Featured Communities



Browse Layers

Apply

Search Layers

Search for layers by name

Search layers

Sort Layers

Name

Ascending

Layer Sources

AssistedHousing 7

BISON 5309

Biology WMS Layers from the National Atlas of the United States 1454

Climate WMS Layers from the National Atlas of the United States 83

Layer Types

All Amphibians (Amphibia) 388

All Gymnosperms (Gymnospermae) 244

All Mammals (Mammalia) 800

All Mustards (Brassicaceae) 761

All Oaks (Quercus) 167

Available Layers

Select layers below to view them on the preview map at right.

11568 results 10 per page 1 2 3 4 5

1 to 25999 NGA GeoNames Scaled WMS

10-digit HU USGS TNM National Hydrography Dataset, NGDA

10-digit HU USGS TNM National Hydrography Dataset, hydrography, NHD, water, drainage, river, strea...

10-digit HU USGS TNM National Hydrography Dataset, hydrography, NHD, water, drainage, river, strea...

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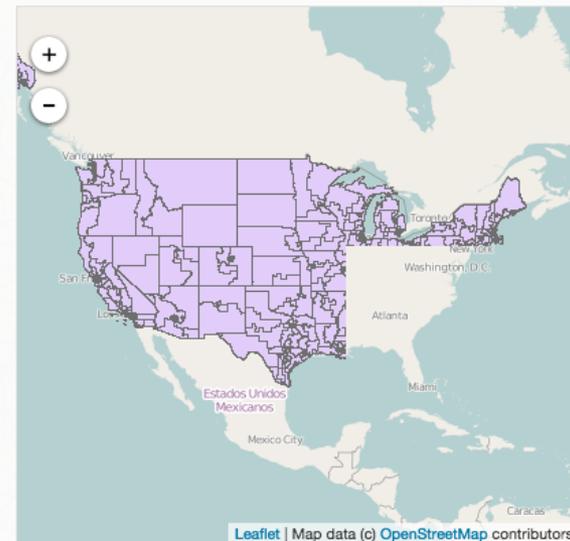
1000000 to 7000000 NGA GeoNames Scaled WMS

113th Congressional Districts NGDA, NTAD

12-digit HU USGS TNM National Hydrography Dataset, NGDA

12-digit HU USGS TNM National Hydrography Dataset, hydrography, NHD, water, drainage, river, strea...

Preview



Please be patient, some layers may take several seconds to appear.

Constrain the list of layers using geographic extents or named places

Specify a named location

Previewed Layers

Layers listed below are shown in the preview map above. Click 'Apply' at the top of this panel to add them all to the current map.

113th Congressional Districts

10-digit HU



Search by name or keyword

Author Search by author

Sort Updated

134 results 10 per page 1 2 3 4 5

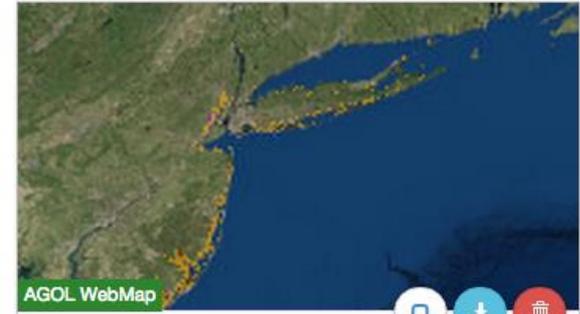
Add to Gallery



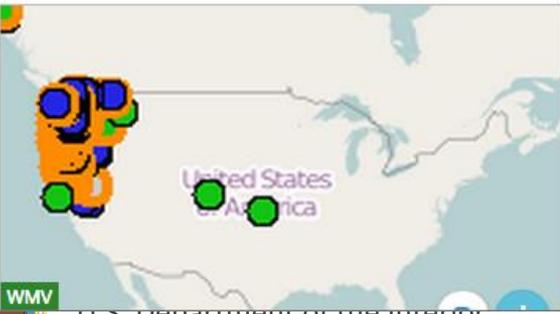
esri demo
esri demo
esri
Author: Jerry Johnston (US Department of the Interior)
Created: Jul 22, 2015 6:41:24 PM
Updated: Jul 22, 2015 6:41:24 PM



Sea Level Rise Planning Tool - New York City
Future Sea Level Rise and Most Recent Special Flood Hazard Area
Climate Change, Coastal Flooding, Coastal Inundation, Hazards, Inundation, Sea Level Rise, Special Flood Hazard
Author: NOAA_GeoPlatform (GEOPLATFORM.gov)
Created: Jun 16, 2015 12:27:40 PM
Updated: Jul 22, 2015 5:33:00 PM



Sea Level Rise Planning Tool - New Jersey and New York State (Nassau, Suffolk, and
Future Sea Level Rise and Most Recent Special Flood Hazard Area
Climate Change, Coastal Flooding, Coastal Inundation, Hazards, Inundation, Sea Level Rise, Advisory Base Flood
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In Development (Release 4, Spring 2016)

- **Enhanced Registry Capabilities**

- Supporting semantic web search across all Platform resources

- e.g., “Show me all of the maps that are like this one,” “Suggest a layer for me to include on this map based on what layers I have already added,” “Find me all of the maps that are about birds,” etc.

- **Improvements to Map Manager and ArcGIS Online Integration**

- Better usage of AGOL subscription, better integration of these capabilities among different agencies and with Platform website

- **Architecture and Technology Working Group Rechartering to support Geospatial Platform**

- **Welcome Bill Mullen, on detail from NGA to support the Geospatial Platform by leading the ATWG and serving as our lead for Requirements Management**
 - **Will convene Architecture and Technology Working Group before end of CY15**

