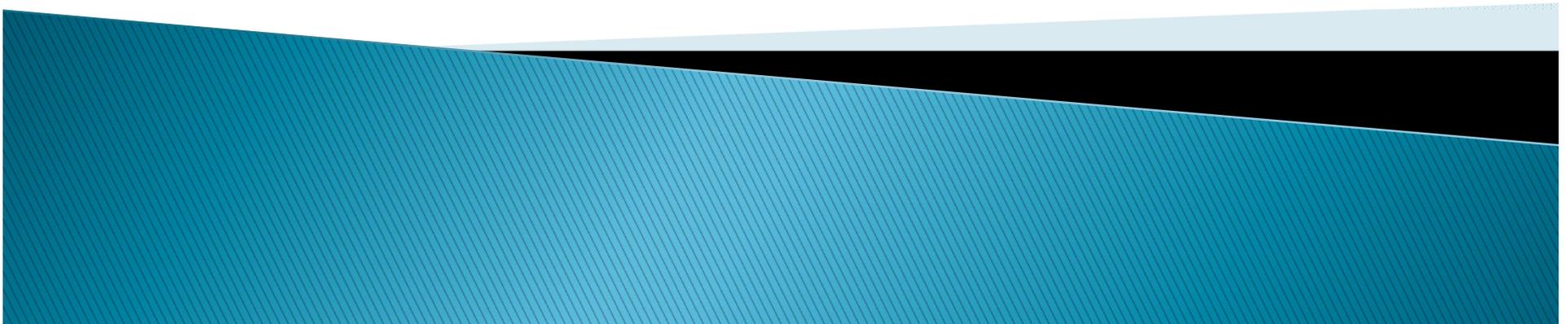


data.gov 2.0 and Geospatial Platform Integration

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Background

- ▶ The Geospatial Platform and data.gov environments were redeployed in October 2011 but maintain separate catalogs and UIs
- ▶ Objective to maintain one catalog for all government data assets and to develop Platform presence to provide extended features for geospatial resources
- ▶ Re-engineering project nearly complete to deploy new single catalog and create new Platform website and Community capabilities



Components

- ▶ CKAN will be the catalog with UI, CSW and native interfaces
 - ▶ Geospatial Platform will be a primary UI to link to search, access, communities, visualization, market place
 - ▶ Data.gov will continue to provide primary UI for all government data
 - ▶ Communities module from data.gov has been updated to Drupal 7 and to be used in Platform
 - ▶ ArcGIS Online will be used as backend for mashups, web app creation, geospatial viewer
- 

Data.gov Catalog Redesign

- ▶ GSA selected the open source CKAN metadata catalog system to replace the geospatial catalog initially and the data.gov DMS and index by June 2013
- ▶ geo.data.gov and the Geospatial Platform will both use the new data.gov catalog to harvest and store all data descriptions
- ▶ GSA is developing a specification for representation of 'raw' (non-geo) data descriptions to support the Open Government Initiative and will provide tools to help agencies create and edit those records



Redesign, continued

- ▶ There will eventually be one registration process for 'raw data' and geospatial data, services (APIs), and applications
 - ▶ Primary method will be harvest from registered agency metadata WAF, CSW, or portal interfaces
 - ▶ Secondary option is form-based for Core ISO
 - ▶ Search facets are created to help users browse all resources quickly by topic, agency, geography, resource type combinations
 - ▶ Planned links to visualization applications and APIs for data graphing, charting, and mapping
- 

Timelines

- ▶ Tasking to the Open Knowledge Foundation is in place for CKAN customization, which will be folded into open source and OGPL codebase and integrated with existing Drupal framework
- ▶ Several development spirals have been completed to provide initial functionality by March 29
- ▶ Current spiral to add geospatial search and map interface
- ▶ Public deployment on GSA Cloud infrastructure will occur in May 2013 at catalog data center

CKAN prototype with records from geo.data.gov

geo.gov.ckan.org

Quicktime eRAS webforms

GEO.DATA.GOV Add Dataset Datasets Groups About Search Log in Register

Welcome to the geo.data.gov CKAN demo

This is a prototype site for the geo catalogue data currently in geo.data.gov.



The UI is flexible. AGOL "Groups" are being Implemented as GSA Communities hosted either at data.gov or under Platform

Search Your Data

eg. Maritime Biology

Popular

United States

U.S.

County or Equivalen...



Ocean

This is the National Ocean Council's portal for data, information, and tools to support people...



Energy

Welcome to Energy.data.gov: where data and insight are combined to facilitate public discussion...

System will include a single registration and approval workflow for 'raw' data and geospatial, for catalogs, APIs, services, and apps from federal and non-federal publishers

geo.gov.ckan.org/user/register

Quicktime eRAS webforms

 Add Dataset Datasets Groups About Search Log in Register

 / Registration

Why Sign Up?
Create datasets, groups and other exciting things

Register for an Account

Username:

Full Name:

Email:

Password:

Confirm:

[Create Account](#)

We will go beyond datasets to include data, services, applications, and metadata collections, and visualizations

Home / Search Datasets

Groups [Clear All](#)

- Ocean (32)
- Energy (5)

Show More Groups

Tags [Clear All](#)

- United States (265814)
- U.S. (265591)
- County or Equivalen... (181463)
- County or equivalen... (162479)
- Polygon (100463)
- US (80658)
- digital spatial data (79533)
- rectified image (79532)
- orthophoto (79532)

Search...

All datasets

Order by: Relevance

2008 NCMP Dauphin Island and MS Barrier Islands

The Joint Airborne Lidar Bathymetry Technical Center of Expertise (JALBTCX) plans to perform a coastal survey along the coast of Lake Superior in late summer 2008. The data...

wfs

2008 NCMP Lake Michigan Imagery

The Joint Airborne Lidar Bathymetry Technical Center of Expertise (JALBTCX) plans to perform a coastal survey along the coast of Lake Michigan in late summer 2008. The data...

2008 NCMP Lake Michigan Lidar

The Joint Airborne Lidar Bathymetry Technical Center of Expertise (JALBTCX) plans to perform a coastal survey along the coast of Lake Michigan in late summer 2008. The data...

search

Tags [Clear All](#)

- United States (122)
- US (122)
- U.S. (122)
- Alaska (122)
- AK (122)** [x](#)
- Aleutians West Cens... (26)
- Lake and Peninsula ... (18)
- Aleutians East Borough (17)
- Kodiak Island Borough (15)
- Skagway-Hoonah-Ango... (14)

Show More Tags

Organizations [Clear All](#)

- U.S. Geological Sur... (122)** [x](#)

Show More Organizations

Formats [Clear All](#)

122 datasets

Order by: Relevance

None: U.S. Geological Survey Earth Resources Observation and Science (EROS) Center
(pointOfContact) x Tags: AK x

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Shuttle Radar Topography Mission: SRTM1N51W177
The Shuttle Radar Topography Mission (SRTM) is a partnership between NASA and the National Geospatial-Intelligence Agency (NGA). Flown aboard the NASA Space Shuttle Endeavour...

Shuttle Radar Topography Mission: SRTM1N51W178
The Shuttle Radar Topography Mission (SRTM) is a partnership between NASA and the National Geospatial-Intelligence Agency (NGA). Flown aboard the NASA Space Shuttle Endeavour...

Search facets provide instantaneous combination search filtering on multiple filters as selected by users on the left. This example is of USGS source in Alaska. This is a sort of browse that facilitates data exploration. We plan to populate these search facets based on controlled vocabularies on the processed metadata, such as ISO Topic Category, A-16 theme, agency, resource type, and geographic extent.

Social

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Related [Add Related](#)

No apps, ideas, news stories or images have been related to this dataset yet, why not add one now?

[+ Add Item](#)

Subscribe

Email

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Trackback URL

Dataset extent

The National Map - National Land Cover Database (NLCD) WMS

The National Land Cover Database (NLCD) 2001 was produced through a cooperative project conducted by the Multi-Resolution Land Characteristics (MRLC) Consortium. The MRLC Consortium is a partnership of Federal agencies (www.mrlc.gov), consisting of the U.S. Geological Survey (USGS), the National Oceanic and Atmospheric Administration (NOAA), the U.S. Environmental Protection Agency (EPA), the U.S. Department of Agriculture (USDA), the U.S. Forest Service (USFS), the National Park Service (NPS), the U.S. Fish and Wildlife Service (FWS), the Bureau of Land Management (BLM), and the USDA Natural Resources Conservation Service

When the resource type is determined to be viewable in a map viewer, a viewer will be launched. It should be possible to have multiple access methods described and exploited from the metadata.

zone can encompass whole or portions of several States. Questions about the NLCD mapping zones can be directed to the NLCD 2001 Land Cover Mapping Team at USGS, EROS Center, Sioux Falls, SD, phone: (605) 594-6151 or e-mail: mrlc@usgs.gov.

Data and Resources

-  **Resource locator**
Resource locator
-  **WMS service**
No description for this resource

[Explore Data](#)

[Explore Data](#)

Source Metadata

WMS service

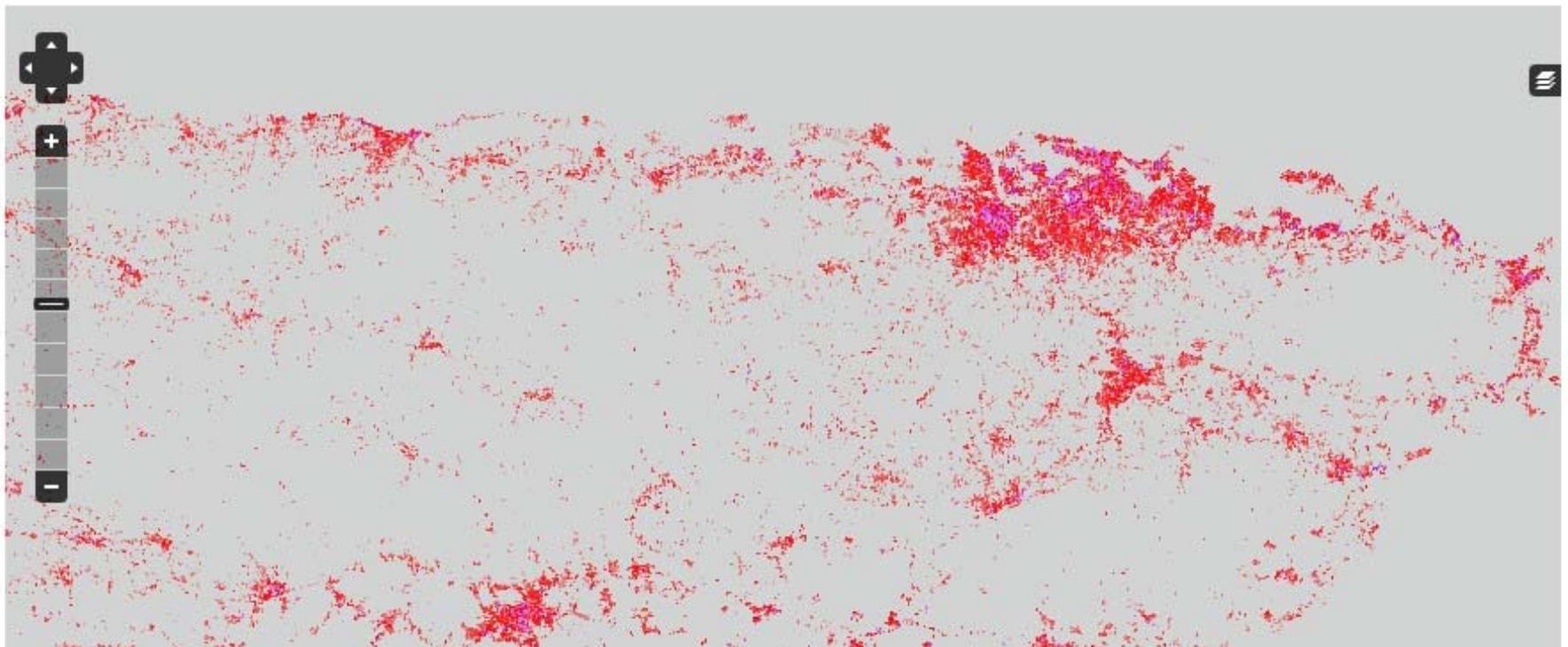
There is no description for this resource

From the dataset abstract

The National Land Cover Database (NLCD) 2001 was produced through a cooperative project conducted by the Multi-Resolution Land Characteristics (MRLC) Consortium. The MRLC Consortium is a...

Source: The National Map - National Land Cover Database (NLCD) WMS

OpenLayers viewer will be used to display KML, KMZ, GeoRSS, and WMS sources. AGOL-hosted javascript viewer will be used to display ArcGIS REST and webmap resources.



Q&A

- ▶ FGDC Metadata are collected and saved for display, but managed as ISO 19115-2. ISO can also be harvested
- ▶ Validation of metadata occurs before ingest, errors flagged for publishers; validation against one of six schemas
- ▶ Developing a Best Practices or recommendations doc for metadata to optimize CKAN functionality
- ▶ Current registration info will be carried over to new shared IDP/IDM system based on SAML 2.0
- ▶ CKAN content will be based on fresh harvest and review
- ▶ Support management of large homogeneous collections to enable two-step query
- ▶ Are deploying “Communities” module from data.gov into Platform with links into CKAN records flagged for each community
- ▶ Marketplace is being revived to support “Planned” data
- ▶ Tutorials will be available for roll-out soon