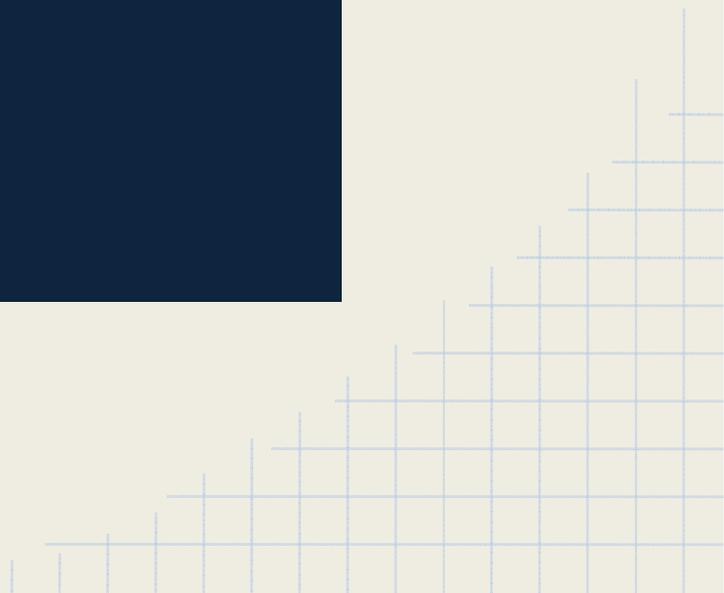


# Data.gov and the GeoPlatform: Piecing Together the Puzzle

Adam Bode, NOAA CSC  
Randy Warren, NOAA CSC



# The Hunt for Data



- Data Quality
- Source
- Up-to-date
- Etc

# Data.gov

The screenshot shows the Data.gov homepage with a navigation bar, a search bar, and three main content sections: Data and Tools, Communities, and Open Government. The Data and Tools section lists statistics on datasets, apps, and galleries. The Communities section encourages users to explore and discuss data. The Open Government section promotes participation in government initiatives and lists resources like Open Government Initiative and Recovery.gov.

**DATA AND TOOLS**

- 73,261 [datasets](#)
- 349 citizen-developed [apps](#)
- 137 [mobile apps](#)
- 171 [agencies and subagencies](#)
- 88 [galleries](#)
- [Suggest a dataset](#)

**COMMUNITIES**

Come explore, discuss, meet others in the same field, and develop the data and apps in the community that you care about. Join in the discussions by [going to communities](#), some of which are listed below, that interest you.

[EDUCATION](#) [ENERGY](#)  
[BUSINESSUSA](#) [AGRICULTURE](#)  
[OCEAN](#) [SAFETY](#)

[Join the conversation](#)

**OPEN GOVERNMENT**

View our government at work and find opportunities to participate.

- [Open Government Initiative](#)
- [Open Government Platform](#)
- [Recovery.gov](#)
- [USASpending.gov](#)
- [We the People](#)

- White House Initiative
- Increase public access to high value, machine readable datasets
- Federal, State, University, NGO

# Data.gov Communities

The screenshot shows the Data.gov Communities website for the Ocean community. The header includes the Data.gov logo, navigation links (HOME, ABOUT, DATA, METRICS, OPEN GOVERNMENT, BLOGS, COMMUNITIES), a search bar, and links for Open ID and Login. The main content area features a large banner for the "PacIOOS – Pacific Islands Voyager" community with a "View More" button. Below the banner are three featured articles: "Federal Data Resources", "Regional Planning Efforts and Resources", and "Feedback: What Else Should We Be Doing?". Each article includes a small image, a brief description, and a "Read More" button.

**DATA.GOV** / Communities  
EMPOWERING PEOPLE

Open ID | Login

Search in Ocean SEARCH

HOME ABOUT DATA METRICS OPEN GOVERNMENT BLOGS COMMUNITIES

Ocean DATA TOOLS TECHNICAL GUIDE MAP GALLERY REGIONAL PLANNING FEEDBACK

**WELCOME TO OUR COMMUNITY**  
This is the National Ocean Council's portal for data, information, and decision tools to support people engaged in regional marine planning for the future use of the ocean, our coasts, and the Great Lakes. Our goal is to enhance discovery of and access to data and information for planners, stakeholders, and the public. Please visit our Feedback page to tell us what would make the site most useful to you as we expand our content.

[Start Here!](#)

**PacIOOS – Pacific Islands Voyager**  
[View More](#)

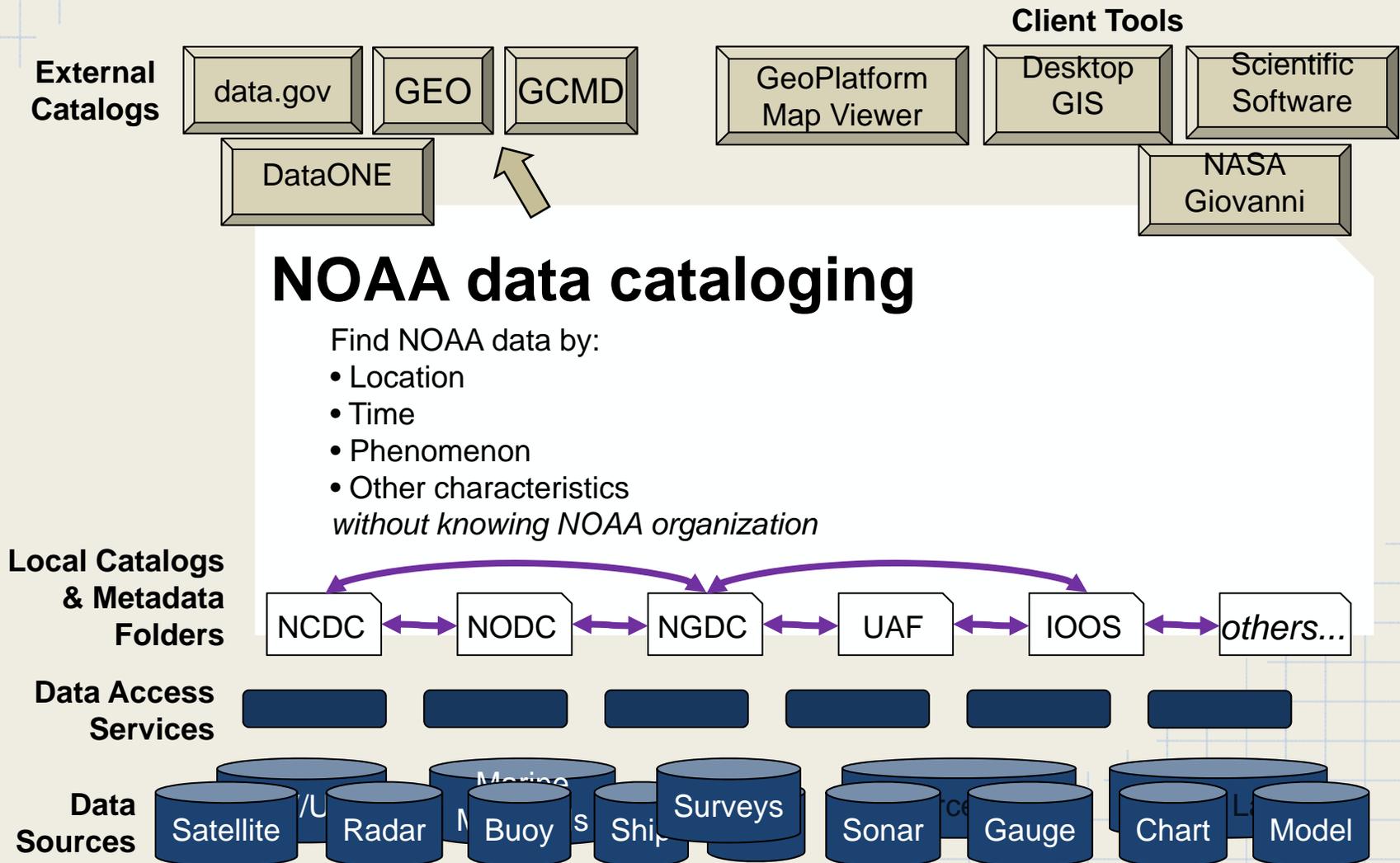
**Federal Data Resources**  
  
We are in the process of making Federal data resources available for the coastal and marine spatial planning process. We are offering the ability to discover and access the data as well as tools to view and interpret the data. Come check out what we have so far...  
[Read More](#)

**Regional Planning Efforts and Resources**  
  
Coastal and marine spatial planning begins and ends in the regions. Many areas are already starting the planning process. Come see what everyone is doing and learn from these different efforts...  
[Read More](#)

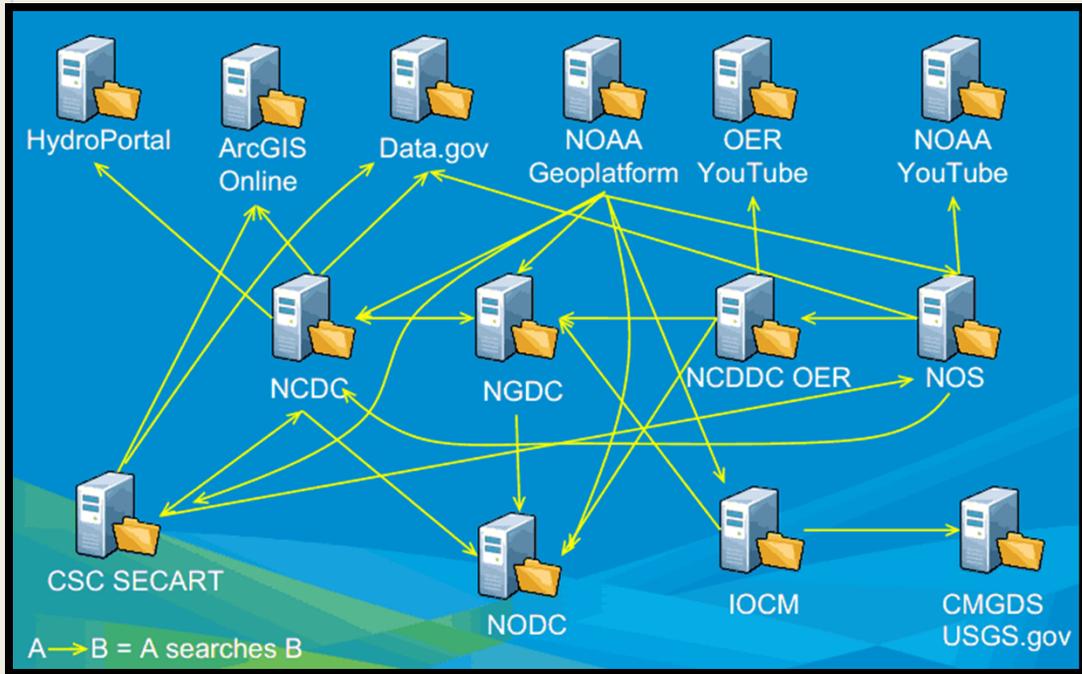
**Feedback: What Else Should We Be Doing?**  
  
We want to hear from you. What do you like about this site? What else should be here? Tell us what you think and help us build this community...  
[Read More](#)

- National Ocean Policy
- Thematic "look" at Data.gov holdings
- 120+ NOAA Data & Tools
- Active Marine Planning Community/Network

# NOAA's Data Discovery Vision



# Portal Palooza



- WAFs
- Geoportal Nodes
- FGDC / ISO Metadata
- Manual Upload

# Under the Hood...

The Past



Geospatial



Raw Data



Tools

Now



Single, open-source CKAN catalog

# New CKAN-based Catalog

The screenshot displays the 'DATA CATALOG' interface. At the top, there are navigation tabs for 'Organizations' and 'Interactive Datasets'. Below the header, a note explains that only datasets marked as 'Federal' are subject to the U.S. Federal Government and Data.gov's Data Policy. The main content area shows a search bar with '124 datasets found' and an 'Order by: Relevance' dropdown. A sidebar on the left contains filters for 'Filter by location', 'Dataset Type', 'Tags', and 'Formats'. The main list displays three dataset entries, each with a 'Federal' label and a 'variable' tag. The first entry is 'Aerial surveys of ringed seals (Phoca hispida) on fast and pack ice in the central Beaufort Sea of Alaska, 1985-1987 and 1996-1999 (NODC Accession 0000931)'. The second is 'Alaska Groundfish Stocks Survey, 1982-2011'. The third is 'Anchorage Areas in U.S. Waters'. The fourth entry is 'Bathymetry Data Viewer'.

**DATA CATALOG**

Home / Datasets

Note that only datasets marked as "Federal" are subject to the U.S. Federal Government and Data.gov's Data Policy. Non-federal participants (e.g., universities, organizations, and tribal, state, and local governments) maintain their own data policies. It is important that users understand the data policies of participating entities in order to best utilize these datasets. A description of this catalog and information about the datasets presented and associated metrics is available here

Filter by location  Clear

Search datasets...

**124 datasets found** Order by: Relevance

Organization Types: Federal Government  Groups: Ocean Community  Organizations: National Oceanic and Atmospheric Administration, Department of Commerce

**Aerial surveys of ringed seals (Phoca hispida) on fast and pack ice in the central Beaufort Sea of Alaska, 1985-1987 and 1996-1999 (NODC Accession 0000931)** Federal

National Oceanic and Atmospheric Administration, Department of Commerce — These datasets include counts of ringed seals (Phoca hispida) and other marine mammals made during aerial surveys of ringed seals on fast and pack ice of the...

HTML HTML HTML

**Alaska Groundfish Stocks Survey, 1982-2011** Federal

National Oceanic and Atmospheric Administration, Department of Commerce — The Resource Assessment and Conservation Engineering Division (RACE) of the Alaska Fisheries Science Center (AFSC) conducts bottom trawl surveys to monitor the...

csv (inside zip)

**Anchorage Areas in U.S. Waters** Federal

National Oceanic and Atmospheric Administration, Department of Commerce — The GIS REST service for "Anchorage Areas in U.S. waters" provides raster maps of the anchorage areas in which vessels anchor or may anchor (as defined by IHO...

Esri REST Esri REST

**Bathymetry Data Viewer** Federal

National Oceanic and Atmospheric Administration, Department of Commerce — The Bathymetry Data Viewer is an interactive map providing map-based discovery, descriptions, and download capability for bathymetric survey data and digital...

variable

**Filter by location** Clear

Enter location...

Map data CC-BY-SA by OpenStreetMap Tiles by MapQuest

**Dataset Type** Clear All

geospatial (85)

Show More Dataset Type

**Tags** Clear All

oceans (42)

outer continental s... (32)

bering sea (32)

biological (31)

beaufort sea (29)

Show More Tags

**Formats** Clear All

HTML (15)

Esri REST (9)

pdf, kml/kmz, shp, ... (6)

gif (4)

- One registration process
- Harvest
  - Geoportal Server
  - WAF
  - Z39.50
  - CS-W
- Search Facets
- Web Service Preview
- Single Sign On
- Support for "Marketplace"
- Utilized by Geoplatform.gov

# New CKAN-based Catalog

The screenshot displays the 'DATA CATALOG' interface. At the top, there are navigation tabs for 'Organizations' and 'Interactive Datasets'. A search bar is present with the text 'Search datasets...'. Below the search bar, it indicates '124 datasets found' and 'Order by: Relevance'. The interface includes a sidebar with filters for 'Filter by location' (with a map of North America), 'Dataset Type' (listing 'geospatial (85)'), 'Tags' (listing 'oceans (42)', 'outer continental s... (32)', 'bering sea (32)', 'biological (31)', 'beaufort sea (29)'), and 'Formats' (listing 'HTML (15)', 'Esri REST (9)', 'pdf, kml/kmz, shp, ... (6)', 'gif (4)'). The main content area lists three datasets, each marked as 'Federal':

- Aerial surveys of ringed seals (Phoca hispida) on fast and pack ice in the central Beaufort Sea of Alaska, 1985-1987 and 1996-1999 (NODC Accession 0000931)**  
National Oceanic and Atmospheric Administration, Department of Commerce — These datasets include counts of ringed seals (Phoca hispida) and other marine mammals made during aerial surveys of ringed seals on fast and pack ice of the...  
Formats: HTML, HTML, HTML
- Alaska Groundfish Stocks Survey, 1982-2011**  
National Oceanic and Atmospheric Administration, Department of Commerce — The Resource Assessment and Conservation Engineering Division (RACE) of the Alaska Fisheries Science Center (AFSC) conducts bottom trawl surveys to monitor the...  
Format: csv (inside zip)
- Anchorage Areas in U.S. Waters**  
National Oceanic and Atmospheric Administration, Department of Commerce — The GIS REST service for "Anchorage Areas in U.S. waters" provides raster maps of the anchorage areas in which vessels anchor or may anchor (as defined by IHO...  
Formats: Esri REST, Esri REST
- Bathymetry Data Viewer**  
National Oceanic and Atmospheric Administration, Department of Commerce — The Bathymetry Data Viewer is an interactive map providing map-based discovery, descriptions, and download capability for bathymetric survey data and digital...  
Format: variable

- One registration process
- Harvest
  - Geoportal Server
  - WAF
  - Z39.50
  - CS-W
- Search Facets
- Web Service Preview
- Single Sign On
- Support for "Marketplace"
- Utilized by Geoplatform.gov

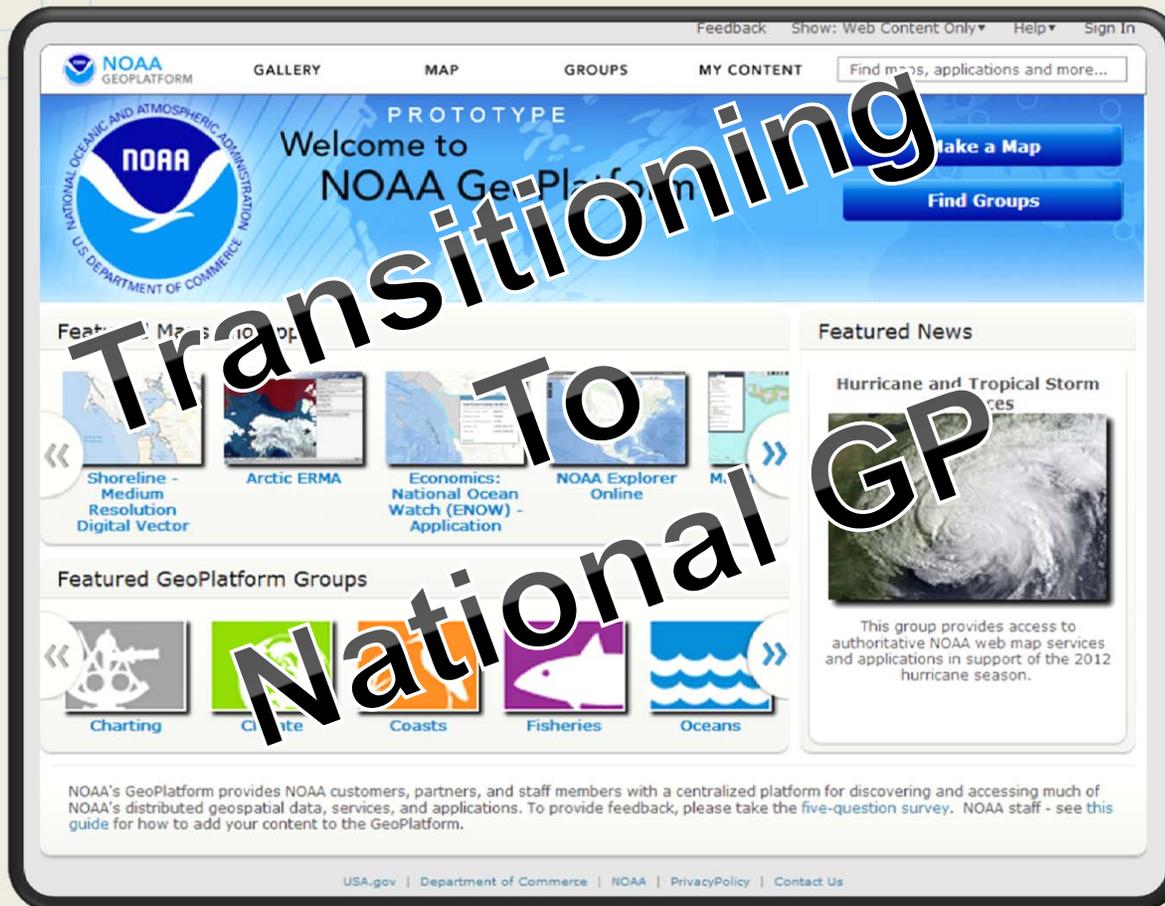
# Half of the Puzzle...



- Data.gov
- Ocean.Data.gov
- Single CKAN Catalog

- NOAA GeoPlatform
- National GeoPlatform
- ArcGIS Online

# NOAA GeoPlatform (prototype)



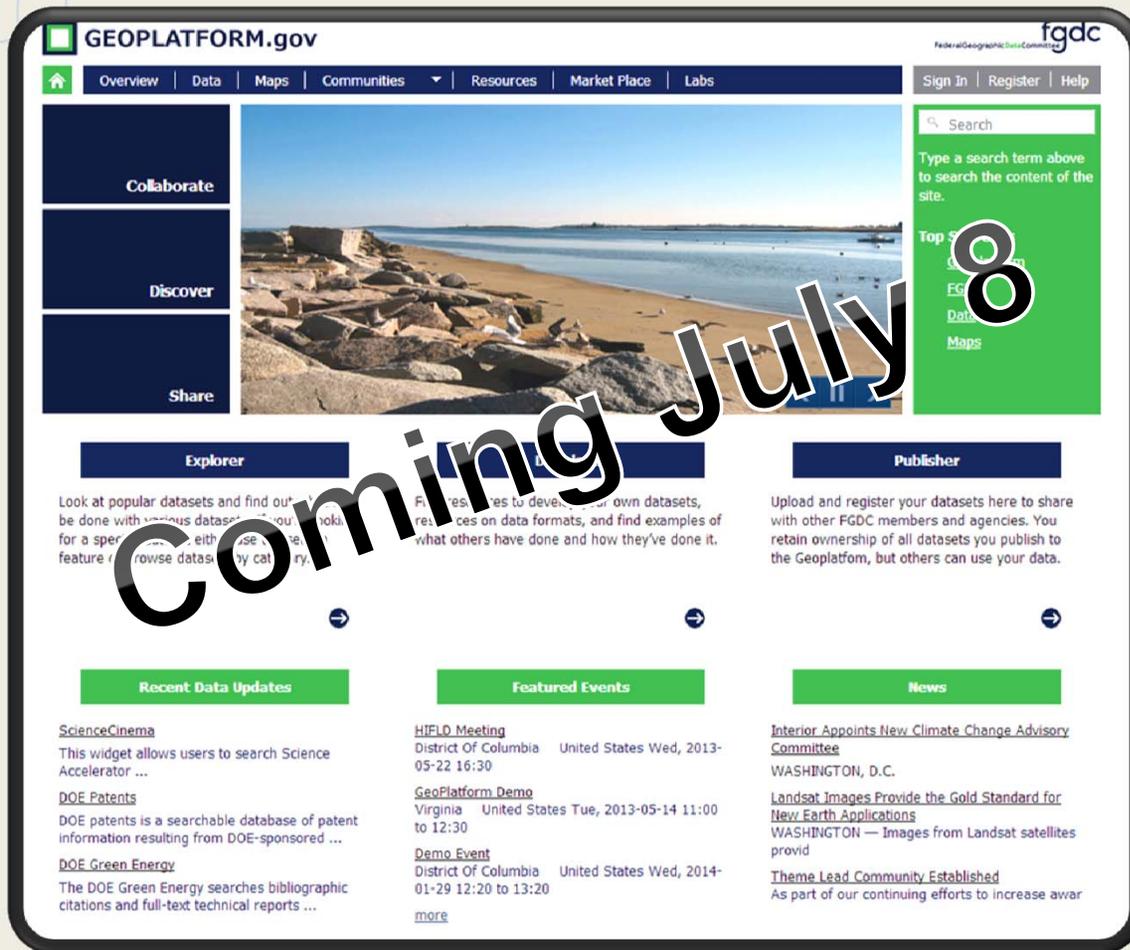
- Launched June 2012
- Esri's ArcGIS Portal
- Successful prototype

# National GeoPlatform - Current Status



- Launched August 2012
- Esri's ArcGIS Portal
- Not synched with NOAA GP

# National GeoPlatform - Future Status



- More than just a portal
- CMS to manage front-end
- CKAN catalog and ArcGIS Online to manage back-end

# National GeoPlatform - CKAN and AGOL Integration

The screenshot shows the GEOPLATFORM.gov website interface. The 'Data' tab is highlighted in the navigation menu. A search for 'NOAA' has been performed, resulting in 37,972 datasets. The results are displayed in a list format, with each entry including a title, description, and a 'Federal' label. The left sidebar contains filters for location, dataset type, tags, and formats. The main content area shows a map of the United States and a list of datasets, including 'NOAA Watch Web Widgets', 'NOAA's Ship Tracker', 'NOAA CCAP Landcover 1996', and 'NOAA CCAP Landcover 2001'.

**GEOPLATFORM.gov** fgdc  
Federal Geographic Data Committee

Overview **Data** Maps Communities Resources Market Place Labs Sign In Register Help

Note that only datasets marked as "Federal" are subject to the U.S. Federal Government and Data.gov's Data Policy. Non-federal participants (e.g., universities, organizations, and tribal, state, and local governments) maintain their own data policies. It is important that users understand the data policies of participating entities in order to best utilize these datasets. A description of this catalog and information about the datasets presented and associated metrics is available [here](#)

Filter by location Clear

Enter location... NOAA

**37,972 datasets found for "NOAA"** Order by: Relevance

**NOAA Watch Web Widgets**  
National Oceanic and Atmospheric Administration, Department of Commerce — This site contains widgets that track river levels and forecasts with content provided by NOAA. The widgets will update as NOAA updates information.  
[HTML](#) **Federal**

**NOAA's Ship Tracker**  
National Oceanic and Atmospheric Administration, Department of Commerce — NOAA's Ship Tracker is a viewer tool developed by the NOS Special Projects Office (SPO) for the Office of Marine and Aviation Operations (NOAA OMAO) which shows...  
[kml/kmz](#) **Federal**

**NOAA CCAP Landcover 1996**  
National Oceanic and Atmospheric Administration, Department of Commerce — The Coastal Change Analysis Program (C-CAP) produces a nationally standardized database of land cover and land change information for the coastal regions of the...  
[ArcGIS Online Map](#) **Federal**

**NOAA CCAP Landcover 2001**  
National Oceanic and Atmospheric Administration, Department of Commerce — The Coastal Change Analysis Program (C-CAP) produces a nationally standardized database of land cover and land change information for the coastal regions of the...  
[ArcGIS Online Map](#) **Federal**

Map data CC-BY-SA by OpenStreetMap  
Tiles by MapQuest

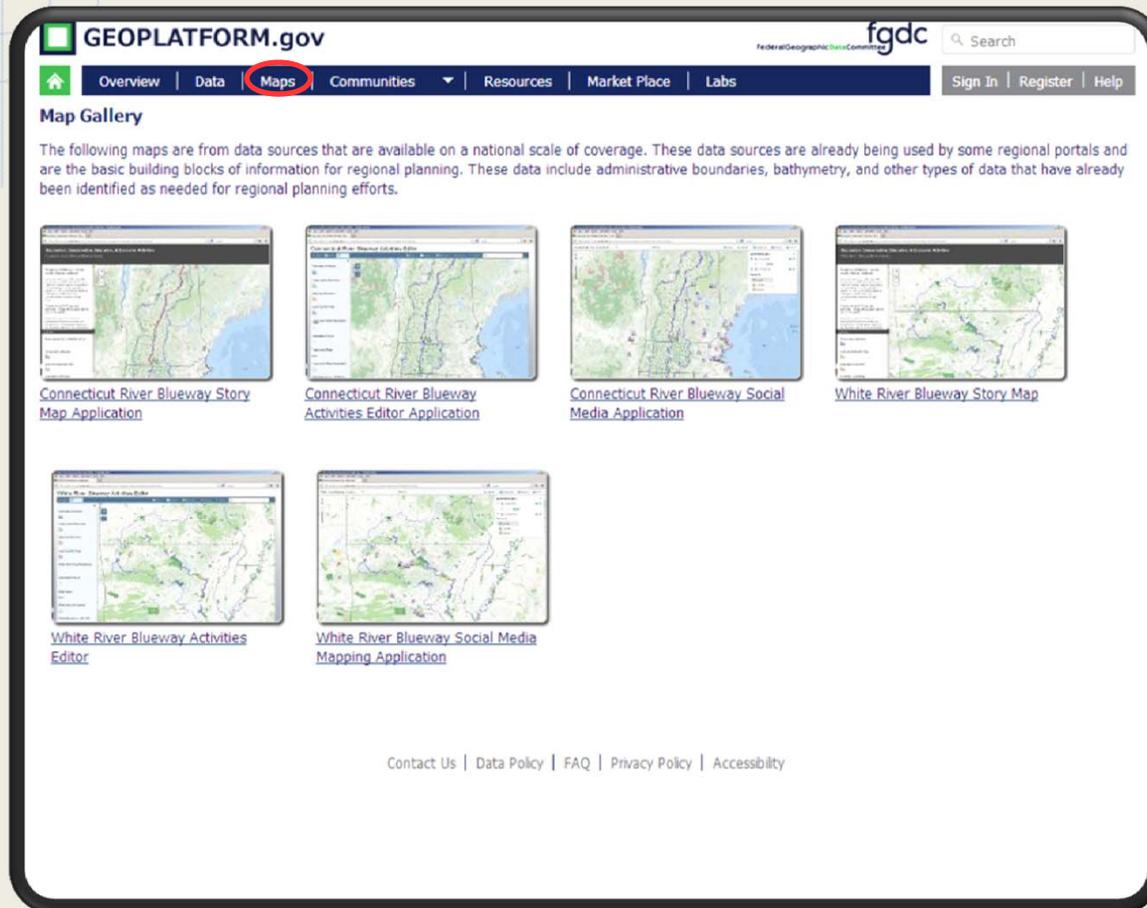
**Dataset Type** Clear All  
geospatial (37811)  
Show More Dataset Type

**Tags** Clear All  
temperature (26436)  
physical (22934)  
profile (20589)  
unknown (14636)  
water depth (14626)  
Show More Tags

**Formats** Clear All  
HTML (8044)

- Data tab = CKAN catalog

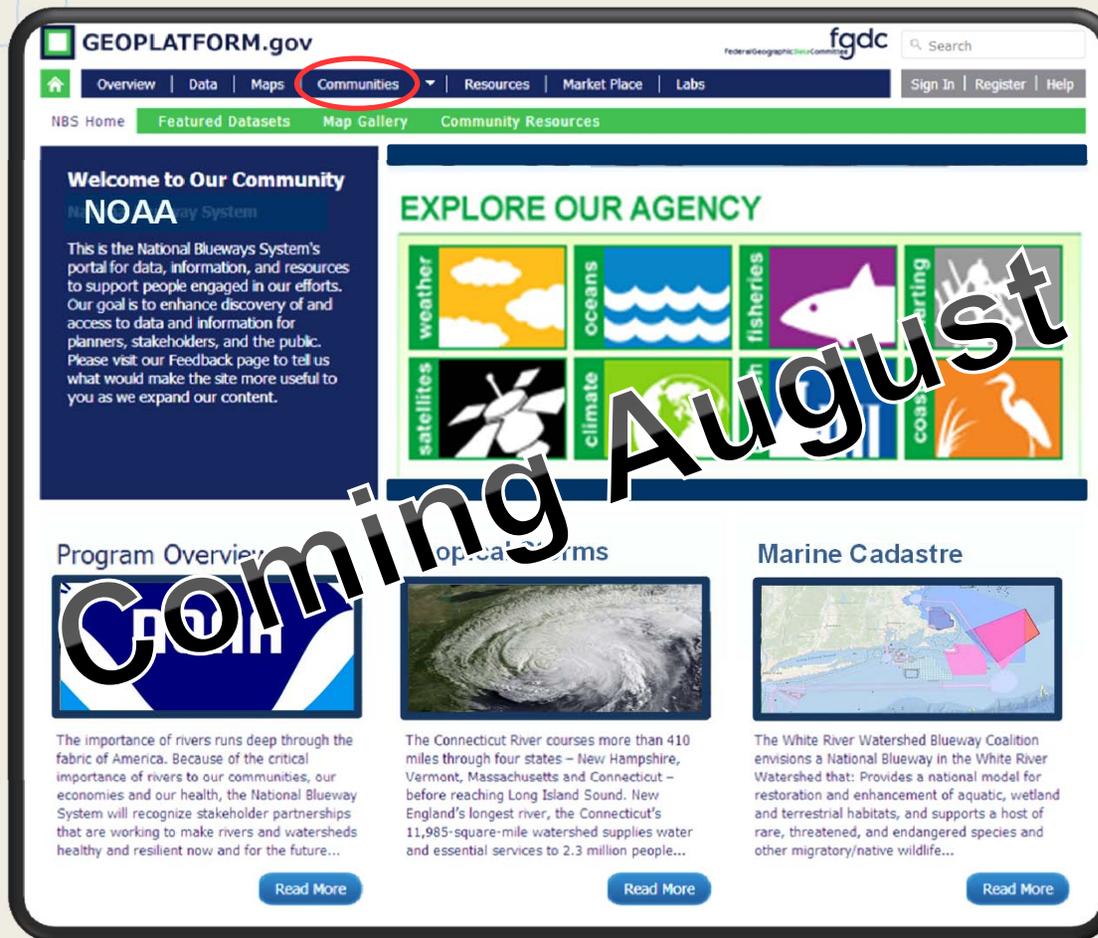
# National GeoPlatform - CKAN and AGOL Integration



The screenshot shows the National GeoPlatform website interface. The top navigation bar includes links for Overview, Data, Maps (highlighted with a red circle), Communities, Resources, Market Place, and Labs. The 'Maps' tab is selected, leading to a 'Map Gallery' section. This section contains a grid of six map application thumbnails, each with a caption: Connecticut River Blueway Story Map Application, Connecticut River Blueway Activities Editor Application, Connecticut River Blueway Social Media Application, White River Blueway Story Map, White River Blueway Activities Editor, and White River Blueway Social Media Mapping Application. The footer contains links for Contact Us, Data Policy, FAQ, Privacy Policy, and Accessibility.

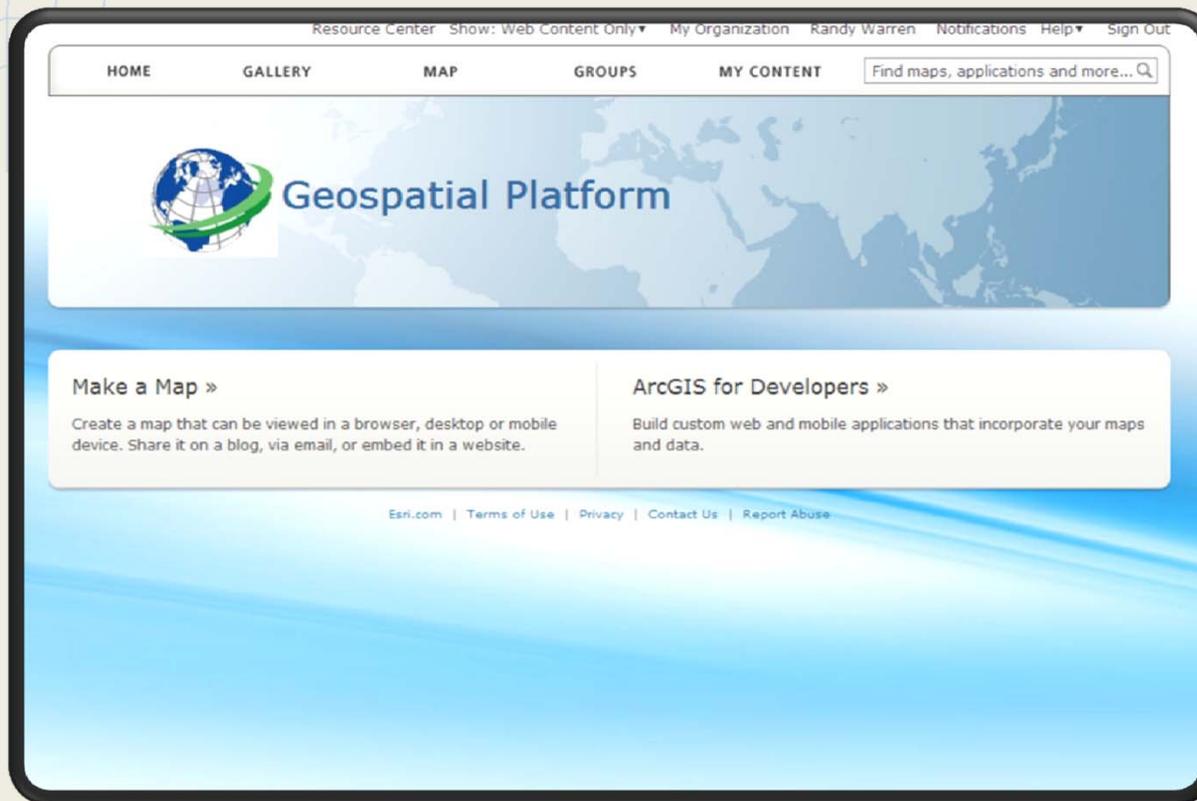
- Maps tab = AGOL

# NOAA Community on National GP



- What about NOAA?
- Presence as a “Community” on the National GP
- Same CKAN catalog and AGOL backend

# National GeoPlatform - ArcGIS Online



- AGOL available to federal agencies after July 8 launch, with full functionality
- Credit distribution and user roles still TBD
- NOAA helping to define those roles

# Piecing it all Together...

## Takeaways



- Lots of pieces to the puzzle
- Not completely finished
- We are getting there
- CKAN driving Data.gov and GeoPlatform
- AGOL functionality coming soon