



Geospatial Platform

Status and Next Steps

10 April 2013

History and Challenges

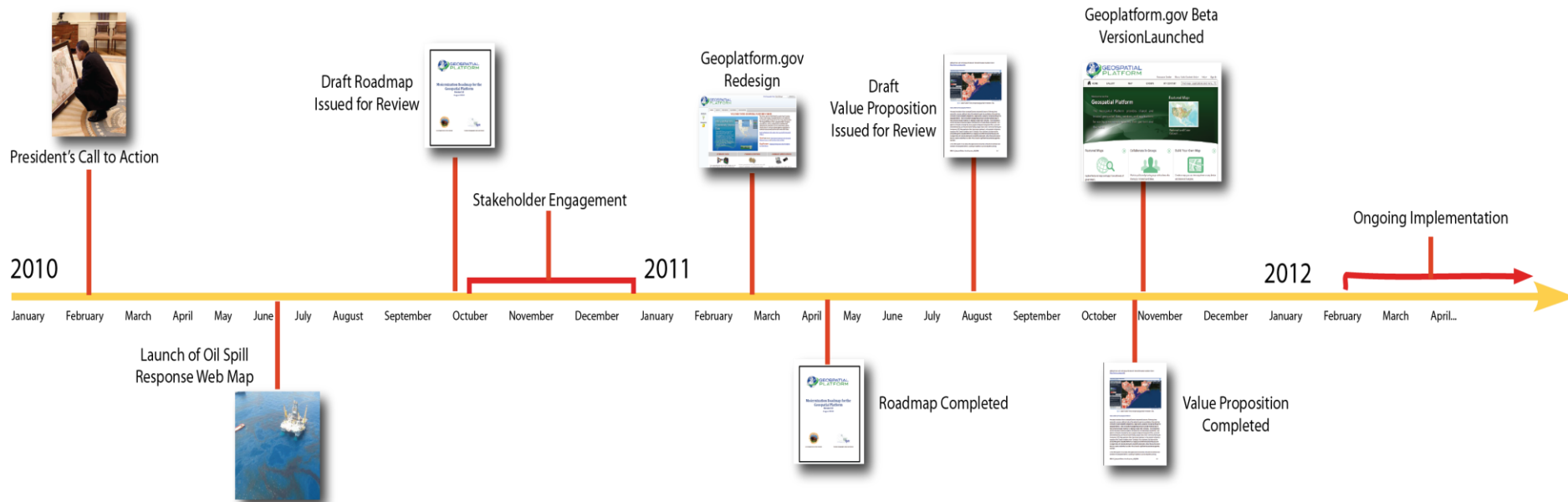
- ◆ Great success in making data available through metadata catalogs (Geospatial One Stop, Data.gov)
 - Products in these catalogs still not easily accessed and understood by key decision makers and “non-experts”
 - A proliferation of portals – no single place to develop and publish geospatial information products across USG
- ◆ Adoption of standards and publishing of open data / services has been widespread across USG agencies
 - Some agencies have difficulty in getting through the technical hurdles and effort / cost required to publish

A Call to Action

- ◆ Budget Language for FY 2011, Direction to create the “Geospatial Platform”
 - Portfolio Management, prioritize investments based on business need
 - Leverage existing initiatives
 - Improve the governance framework
 - Address the requirements of State, local and tribal agencies
 - Reuse data, tools and architecture
 - **Increase access to geospatial data**



Since that time...





HOME

GALLERY

MAP

GROUPS

MY CONTENT

Find maps, applications and more...

Welcome to the

Geospatial Platform

The Geospatial Platform provides shared and trusted geospatial data, services, and applications for use by government agencies, their partners and the public

Featured Map:



NOAA Seamless Raster Nautical ...

Featured Maps



Explore featured maps and apps from all levels of government.

Collaborate in Groups



Work in public and private groups with others who share your interests and ideas.


Build Your Own Map



Create a map you can view anywhere on any device and share with anyone.

About the Geospatial Platform



Federal agencies and their partners collect and manage large amounts of geospatial data - but these data are often not easily found when needed or accessible in useful forms. The Geospatial Platform provides ready access to federally maintained geospatial data, services and applications. The content of all datasets and services demarcated with the Data.gov globe  have been verified by the Agency to be consistent with Federal privacy, national security, and information quality policies. As an additional service to our users, we also provide access to data from our partners across State, Tribal, Regional and local governments as well as non-governmental organizations.



Geoplatform 2.0

◆ Goals:

- Facilitate the **use** of geospatial data and tools
- Focus on NGDAs / A-16 data
- Focus on non-experts / decision makers



Geoplatform 2.0 - Technology

◆ Content Publication / Registration

- Geo.data.gov -> Data.gov as master metadata repository with new Catalog
- Geospatial hosting infrastructure change -> ArcGIS Online

◆ Hosting Services

- Common Good (A-16 NGDAs)
 - ◆ Hosting for A-16 datasets where needed / appropriate in AGOL
 - ◆ Hosting in shared GeoCloud Infrastructure
- Charge Back



Geoplatform 2.0 - Website

- ◆ www.geoplatform.gov Drupal-based website
 - Extend / feature content managed in Geospatial Platform AGOL through galleries, featured maps, etc.
 - Host topical sub-sites (A-16 themes like geoplatform.gov/transportation, event-based sites like geoplatform.gov/hurricaneirene, etc.)
 - Include developer how-to documents, code samples, templates, etc.
 - Re-establish GOS Marketplace functionality
 - Highlight opportunities for DaaS



Geospatial Platform V2 – The Redesign

GEOPLATFORM.gov fgdc
Federal Geographic Data Committee

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Collaborate
Discover
Share

Go to Advanced Search

Type a search term above to search the content of the site. For a more specific search, click on "Go to Advanced Search".

Explorer
Look at popular datasets and find out what can be done with various datasets. If you're looking for a specific dataset either use the search feature or browse datasets by category. →

Developer
Find resources to develop your own datasets, resources on data formats, and find examples of what others have done and how they've done it. →

Publisher
Upload and register your datasets here to share with other FGDC members and agencies. You retain ownership of all datasets you publish to the Geoplatform, but others can use your data. →

Recent Data Updates
National Wetland Inventory
USFWS Annual Update Registered and Published; Added to Environmental,

Social Media
Twitter
MapGuy: *Waiting the see the updated #geoplatform at the #FedGIS.* 9:29am

News
America's Great Outdoors Community Established
GSA Explores Facilities Management

Discovering Geospatial Assets

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Collaborate

Discover

Share

Search for data that is registered here or in [geo.data.gov](#). Find A-16 themes and data, other national level data, and various other datasets registered by FGDC's partners.

Peruse the datasets and find out if we already have what you are looking for. Or, just poke around and see what has been uploaded to [geoplatform.gov](#).

Search ↗
Map Gallery ↗
Metadata Browser ↗

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 **DATA.GOV** / GEOSPATIAL DATA BETA Login

HOME ABOUT DATA METRICS OPEN GOVERNMENT BLOGS COMMUNITIES

Home Datasets Organizations


🏠 / Datasets

To find datasets, enter your search terms in the search box below or browse through the categories on the left. As you browse, you will be refining and narrowing your search. To broaden your search again, click on the "clear all" link at the top of any category or on the "X" to the right of any single term.

Organizations Clear All

- National Oceanic an... (7101)
- U.S. Geological Sur... (2877)
- National Park Servi... (1996)
- National Aeronautic... (1316)
- Cornell University (304)
- Arizona Geological ... (258)
- University of Calif... (236)
- Coeur d'Alene Tribe (167)
- University of Idaho (155)
- Center for Internat... (128)

Show More Organizations



15,485 datasets found for "water" Order by: Relevance

Waters Map

Percent of streams in source protection areas that are intermittent, ephemeral, or headwaters

web map application

Private Water Districts

Private Water District boundaries are areas where private contracts provide water to the district in California. This database is designed as a regions polygon database and is...

ZIP

Developer Resources

 **GEOPLATFORM.gov**


Federal Geographic Data Committee

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Developer Overview

Welcome to the Geoplatform.gov Developer Pathway. On this site you will find the tools, documentation, downloads and forums to help you, collaborate, discover, consume and distribute your geospatial data, web maps, apps and maps.

Use this space to ask questions, suggest enhancements and embrace your inner geotek along with others. Share your knowledge and ideas, and most importantly push the limits of what the data can do.



[How to Store Maps](#) →

[How to Publish in the Map Gallery](#) →

[How to Access Web Services](#) →

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Type a search term above to search the content of the site. For a more specific search, click on "Go to Advanced Search".

API's

Both Desktop and web based APIs are described here, and how you can discover, consume and use the data from GeoPlatform. Using your development skills in Python, .NET, Flex or Javascript you'll be visualizing and analyzing data in a matter of minutes using our examples and code snippets..

Map Gallery

Share your amazing cartographic skills or view other Developers and Analysts Maps and Apps, for download, or use. See what cool new things your peers are doing and use them to enhance your analysis or viewer. Find a new base map, or a new plug in for your use



Tools

Find the right tool for the right geojob. Look through the GeoPlatform's specialized plug-ins and widgets to find how to interface the GeoPlatform's data collection, collaboration and discovery capabilities with your web viewer, mobile app or

Documentation

Wondering what is Python and how you can use it to help you run your latest analysis? Just started playing around with Spatially enhanced SQL? Looking for specific information about a function or call? Search our document repository to find information on both vendor

Downloads

Ready to start your first web map? Looking for desktop software? Click on our downloads page to find the latest APIs and Desktop applications from vendor specific products and the open source community. Or access the GeoPlatform's GitHub Community and fork what we've been working

Forum

Got a question, or some free time to answer one? Post or search our forums for questions about how to use the GeoPlatform to enhance your application or analysis. Feel free to ask questions about anything related to geo as well, we won't delete it, we promise.

Geospatial Platform Marketplace

Goals

- ◆ Broker partnerships
- ◆ Avoid duplicative or redundant spending
- ◆ Measure interactions or deals made

Geoplatform 2.0 – Communities

◆ Active Development on Three Communities

- America's Great Outdoors “National Blueways System” / Rivers One Stop
 - ◆ DOI, USDA-FS, USDA-NRCS, CoE, NGO and local conservation partners
- Energy
 - ◆ DOE (HQ and National Labs), BOEM
- NOAA / Agency template Community
 - ◆ Potential replacement for existing Agency portal capabilities

Communities

America's Great Outdoors

 GEOPLATFORM.gov

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Map Gallery
Participants
Governance
Resources
Forums
Events
Blogs

Tools & Services
Conservation
Connections
Partnerships
Summary

America's Great Outdoors (AGO)

AGO takes as its premise that lasting conservation solutions should rise from the American people – that the protection of our natural heritage is a non-partisan objective shared by all Americans. AGO recognizes that many of the best ideas come from outside of Washington. Instead of dictating policies, this initiative turns to communities for local, grassroots conservation initiatives. Instead of growing bureaucracy, it calls for reworking inefficient policies and making the Federal Government a better partner with states, tribes, and local communities.

The "AGO Activity Area Nomination Tool" allows for the creation, collaboration, and sharing of potential areas of AGO activity. The environment will also allow existing AGO activities to be demonstrated against newly nominated areas. The tool fulfill a partner space to draw, discuss, and consider key AGO activities. This tool is available under the "Tools and Services" section of this community.

Highlight on the National BlueWays Program, Connecticut River BlueWay

The National BlueWays System will recognize and support a new generation of river and watershed action that connects communities to our shared natural heritage, to recreational opportunities, to sustainable economies, and to each other. National BlueWays will foster health, strengthen

Featured Events

Connecticut River BlueWay
Planning Session,
March 22, 2013.

America's Great Outdoors
Northeast Regional Meeting,
March 27, 2013.

America's Great Outdoors
Southwest Regional Meeting,
April 16, 2013.

Snake River BlueWay
Youth Rafting Trip,
May 18-19, 2013.

Columbia River Field Trip,
June 8-15, 2013.

Partnership with Platform



NOAA.GEOPLATFORM.gov

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Weather Topic

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Biology Topic

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Developer

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Publisher

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Communities



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News

Hurricane Sandy Community Established

Sed ut perspiciatis unde

High Priority Work in Progress

- ◆ Shared Hosting Infrastructure
- ◆ Communities of Practice / Interest
- ◆ Federation and Sharing among multiple “Platforms”
- ◆ Building different user experiences that leverage the existing geoplatform.gov capabilities

Release of new site scheduled for May