



Geospatial Platform Update

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National Geospatial Advisory Committee
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Geospatial Platform Business Plan/Business Case

Status

- ◆ Multiple rounds of review and comment: Coordination Group (12/11 – 1/12), Steering Committee/ExCom (2/12 – 3/12), NGAC (4/12 – 5/12)
- ◆ Business plan reviewed and discussed at April 19 Steering Committee meeting
- ◆ Several changes to address most recent comments:
 - Incorporated feedback and decisions made by the Steering Committee (e.g., governance model, Managing Partner agency, preferred funding option)
 - Addressed comments submitted by NGAC (e.g., linkage to IT reform and digital government strategies, revisions to Governance Model and role of the Platform Oversight Body)
- ◆ Business Case is being developed and funding levels have been entered in MAX system

Next Steps

- ◆ Complete Business Case
- ◆ Distribution to Steering Committee (following ExCom discussion)
- ◆ Final adoption at Sept 20 Steering Committee meeting



Hurricane Response Community

- ◆ Strong partnership support from NOAA, FEMA, USGS, State of Texas
- ◆ Nearly 50 items registered in group on Platform
- ◆ Webmaps / Templates Available and in Production
 - Weather, Forecasts & Modeling
 - Pre-event Planning (Fed only)
 - Post-event Recovery Scenarios
 - Pre-event Planning w/ State Data
 - Named Storm Information View
- ◆ Raised need for contextual info – beyond maps
- ◆ Discussions of how Agencies interact w/ Platform

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
- Migrate ArcGIS Portal -> ArcGIS Online
- Fix metadata workflow

◆ 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 as Drupal site
 - 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





Featured Resource

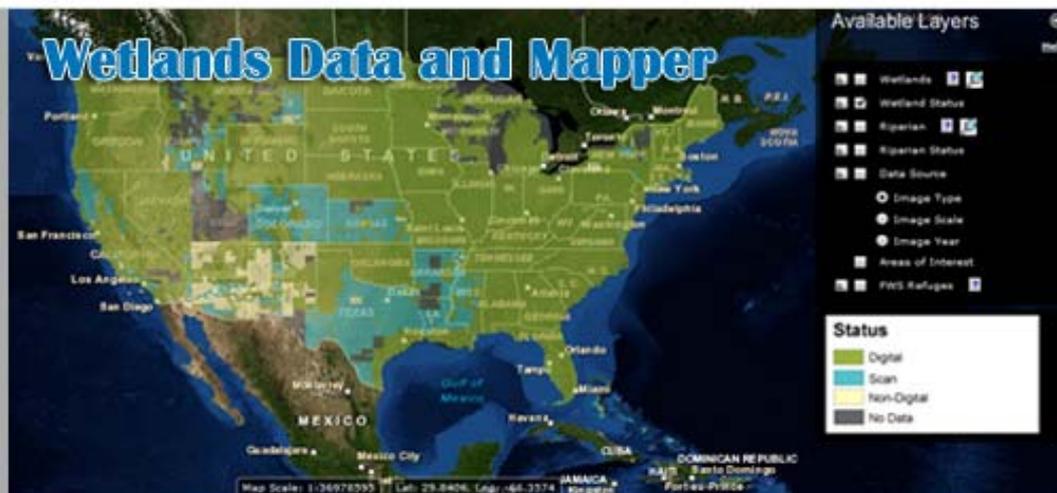


[Learn more](#)

[View this map](#)

[Tutorial: Explore a web map](#)

[See related applications](#)



National Data Portfolio



- Biota
- Cadastre
- Climate and Weather
- Cultural Resources
- Elevation
- Geodetic Control
- Geology
- Governmental Units
- Imagery
- Land Use - Land Cover
- Real Property
- Soils

[> See Newest Data](#)

[> Nominate Data](#)

GeoPlatform Resources

- Applications**
 - >Recently Added
 - >Gallery
 - >Templates
- Hosting**
 - >Data
 - >Services
 - >Websites



[> Using GeoPlatform Application Templates](#)

Communities

- Hurricanes
- Soils
- The Great Outdoors
- Popular Communities
- All Communities



GeoPlatform News

[What's New?](#) [What's Coming?](#)

- [GeoPlatform Blog Entry 1 \(8/24/2012\)](#)
- [GeoPlatform Blog Entry 2 \(8/24/2012\)](#)
- [GeoPlatform Blog Entry 3 \(8/24/2012\)](#)

Using the GeoPlatform

- Tutorials & Videos
- Guidance for Partners
- Fact Sheet
- FAQs

National Data Themes

All Complete Recently Updated

[Biota](#)

- [Cadastre](#)
- [Climate and Weather](#)
- [Cultural Resources](#)
- [Elevation](#)
- [Geodetic Control](#)
- [Geology](#)
- [Governmental Units](#)
- [Imagery](#)
- [Land Use - Land Cover](#)
- [Real Property](#)
- [Soils](#)
- [Transportation](#)
- [Utilities](#)
- [Water - Inland](#)
- [Water - Oceans & Coasts](#)

- [> Executive Dashboard](#)
- [> About the National Data Portfolio](#)
- [> Dataset Management Fact Sheet](#)

Biota

[Marketplace](#) [Fact Sheet](#)

Agency Lead(s): Department of the Interior (DOI)/United States Geological Survey (USGS)
Description: Pertain to, or describe, the dynamic processes, interactions, distributions, and relationships between and among organisms and their environments.

Data Sets for this Theme:

- > FWS Critical Habitat for Threatened and Endangered Species: [Data](#) [Description](#) [</>](#)
- > FWS Section 7 Range for Listed Species: [Data](#) [Description](#) [</>](#)
- > Environmental Sensitivity Index: [Data](#) [Description](#) [</>](#)
- > National Standardized Ecosystem: [Data](#) [Description](#) [</>](#)

[Embed Theme Maps in Your Website](#) [</>](#)

Map Gallery



[Nominate Data for This Theme](#)

[Contact Theme Lead](#)

Geospatial Platform Marketplace

Goals

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



Our Proposed Approach

◆ Manage the Marketplace by Theme

- Provides focus, oversight, accountability and reporting

◆ Geospatial Platform provides a template for listings

- Story map describes opportunity, goals, importance, etc.

◆ Build a link into multiple levels of the web presence

- Easy to find
- Highlight examples





Template

- Captures information from the user ("seller") and populates the Theme page, Theme map, and master (cross-cutting) map
- Builds on the Story Map concept
- Leverages current ArcGIS Online publishing approach

Marketplace – Organized by Theme (and geography)

Example: Water – Inland

▼ Theme

- Cadastre
- Climate and Weather
- Cultural Resources
- Elevation
- Geodetic Control
- Geology
- Governmental Units and Statistical and Administrative Boundaries

▼ Geography



Theme: Water - Inland

[Customize view](#)

View as:   SORT:

Page 1 of 3  



High Level Overview

Closing Date

[Click here for Additional Information](#)

Percent Complete



Watch this - Save



High Level Overview

Closing Date

[Click here for Additional Information](#)

Percent Complete



Watch this - Save

Geoplatform 2.0 – Issue Maps / Map Stories

- ◆ Build three new high profile stories, leveraging hurricane response community efforts
 - Communicate cross-government policy issues
 - Establish shared template(s) fit for deployment on the highest profile *.gov websites
 - Build expertise on government-staffed team of experts that can respond to new requests

Geoplatform 2.0 – Issue Maps / Map Stories

◆ Initial Candidates Under Consideration

- 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
- Permitting Efficiencies (NEPA, Endangered Species Act, etc.)
 - ◆ EPA, CEQ, DOI, potentially many others

Geoplatform 2.0 – Technical Timetable

◆ Current GeoLOB PMO:

- *08/12*: Concept / mockup design for new www.geoplatform.gov site
- *09/12*: Develop and issue guidance on use of current “Marketplace” community on www.geoplatform.gov as it currently exists (group in ArcGIS Portal implementation)
- *09/12*: Develop Tiger Team materials and approach based on Hurricane Response lessons learned for re-use in developing other groups.

◆ Current Work with Data.gov PMO:

- *08/12*: Support the “tiger team” activities currently being carried out in support of the hurricane response community
- *10/12*: Fix the metadata registration workflow. Register assets once on geo.data.gov, have them appear in the Platform and elsewhere as needed.
- *11/12*: Develop a web based ISO metadata editor for editing records in geo.data.gov
- *12/12*: Develop more shared application templates (e.g., MapStories) for deployment in the Geospatial Platform community on AGOL.
- *12/12*: Develop mobile web / mobile app templates as examples for reuse and/or as building blocks for Agency solutions
- *TBD*: GeoPlatform team / FGDC staff to assist with geospatial domain expertise, time and funding to support current efforts to create a single Data.gov metadata repository that is inclusive of geospatial data.

Geoplatform 2.0 – Timetable, con't

◆ FY 2013 GeoLOB PMO:

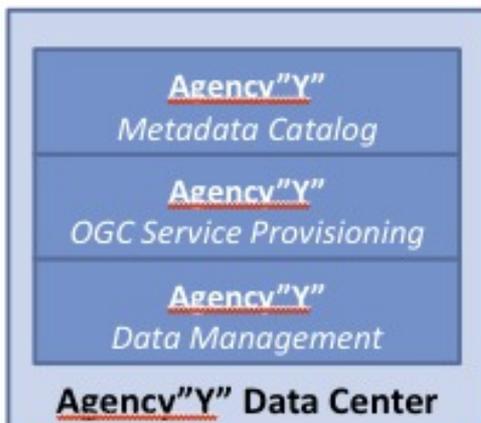
- 10/12: Stand up Geospatial Platform organization on AGOL
- 10/12: Migrate existing content from ArcGIS Portal instance at geoplatform.gov to AGOL
- 10/12: Design complete for new www.geoplatform.gov Drupal-based site
- 11/12: Implement revised version of Geospatial Marketplace functionality for advertising future acquisition / development efforts on new www.geoplatform.gov Drupal site
- 11/12: Cloud infrastructure ready for new launch of www.geoplatform.gov
- 11/12: Re-launch of www.geoplatform.gov as Drupal site complete
- 11/12: Shared hosting capabilities available from Geospatial Platform program (ArcGIS Online Publisher accounts, GeoCloud Amazon instances)
- 11/12: Initial Resource Centers on www.geoplatform.gov (for developers and publishers)
- 12/12: Content for A-16 Theme subsites of www.geoplatform.gov released
- 12/12: Proposed plans for advanced capabilities of www.geoplatform.gov (analysis, search, etc.) discussion complete with FGDC community, tasking for next technology spiral begins.

◆ Forthcoming DHS Sponsored work for FY13:

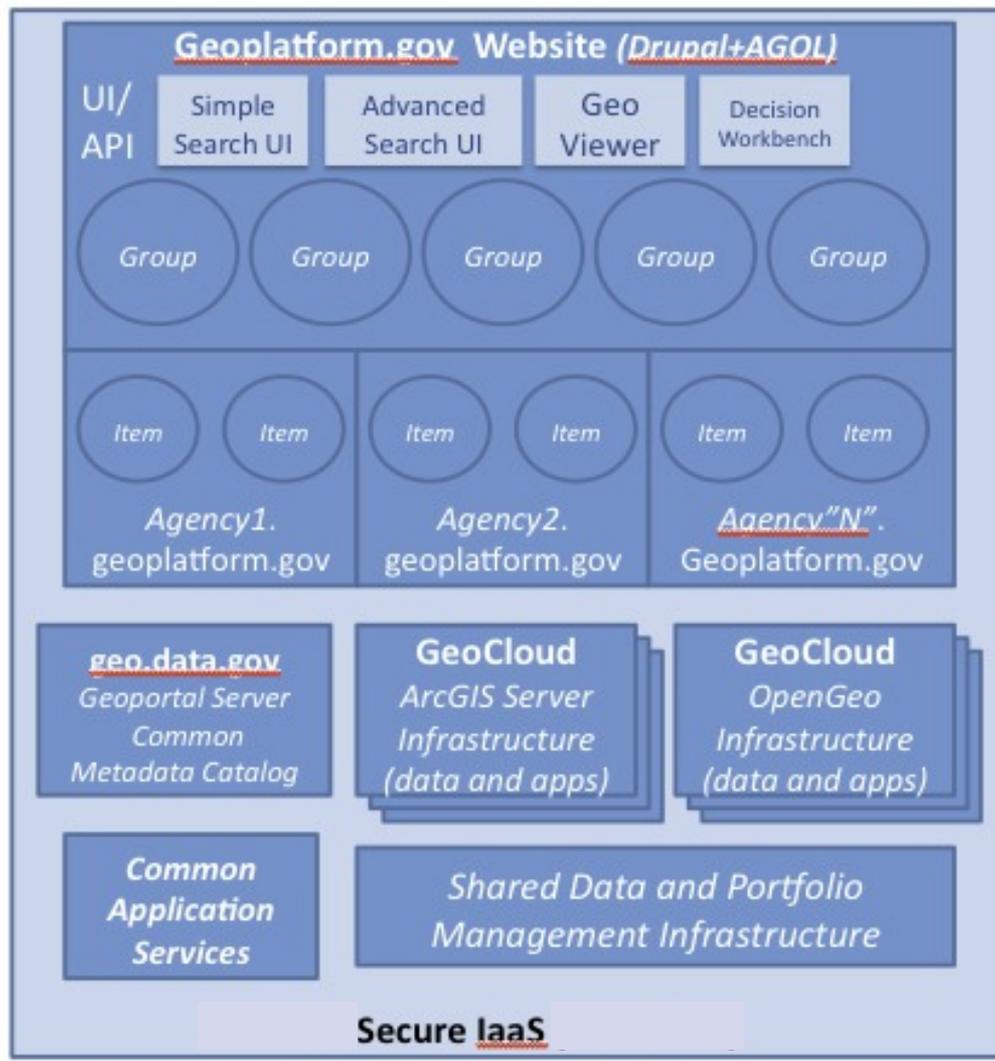
- *TBD*: Development of capability for federation among different implementations of ArcGIS Portal with the Geospatial Platform.
- *TBD*: Identity and Access Management integration
- *TBD*: Collaboration capabilities supported by Huddle software



Internal Agency Platforms



Geospatial Platform "To Be" Architecture



Geoplatform 2.0 – Next Steps

- ◆ Begin execution on technical milestones above
- ◆ Clearly define service catalog so Departments can make choices and plan
- ◆ Develop guidance on hosting options for NGDAs
- ◆ Work with USDA on FISMA documentation
- ◆ Develop guidance on use of new Marketplace
- ◆ Establish reporting dashboard content for NGDAs
- ◆ Training, Support and Outreach