Geospatial Platform Update

FGDC Steering Committee
September 20, 2012
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
Biota

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
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](http://www.geoplatform.gov) site
- **09/12:** Develop and issue guidance on use of current “Marketplace” community on [www.geoplatform.gov](http://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](http://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](http://www.geoplatform.gov) Drupal site
- 11/12: Re-launch of [www.geoplatform.gov](http://www.geoplatform.gov) as Drupal site complete
- 11/12: Shared hosting capabilities available from Geospatial Platform program (ArcGIS Online Publisher accounts, GeoCloud Amazon instances)
- 12/12: Content for A-16 Theme subsites of [www.geoplatform.gov](http://www.geoplatform.gov) released
- 12/12: Proposed plans for advanced capabilities of [www.geoplatform.gov](http://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
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