



STATUS AND PLANNING UPDATE TO FGDC STEERING COMMITTEE

**The National Geospatial Platform Initiative:
From Disparate Big Data to Shared Geographic
Knowledge & Services**

FGDC.GOV
FEDERAL GEOGRAPHIC DATA COMMITTEE



What is GeoPlatform.gov?

A concerted effort to share open geospatial data and technology

- A services platform for providing direct access to the nation's online geospatial resources
 - Single point of access for finding data assets, services, layers and maps
 - Provides shared hosting services for our stakeholders (e.g. AGOL and OpenGeo stack)
- Implements key objectives of the National Spatial Data Infrastructure (NSDI) Strategic Plan
- Consistent, reliable portal to nation's vast ecosystem of distributed geospatial data/services
- Means for our stakeholders to publish their content once and have it accessed from anywhere
- Shared core application services for stakeholder collaboration (e.g., building shared map galleries for a community of interest)

GFY 2017 Roadmap Overview

GFY2017 Roadmap: Key Priorities

- Promote metadata tools into production
e.g, Creating ISO19115 metadata for NGDA Datasets and Services
- Collect and report data and service performance and utilization
e.g., Performance dashboard and usage analytics for NGDA assets
- Demonstrate unique capability and deliver incremental value
e.g., Semantic Registry, Map Knowledge Graph (MKG), OpenLayer and OpenMap Recommender services
- Expand active use of GeoPlatform in new communities
e.g., Infrastructure, Indian Lands, Remote Sensing
- Catalog integration
e.g., Connecting community and vendor datasets and catalogs

GFY2017 Roadmap: Key Challenges

- Metadata – inconsistent; created for human, not machine consumption; lacks semantically grounded concepts; focused on describing and finding datasets rather than finding and accessing online services at runtime.
- NGDA Datasets need online services to support runtime utilization
 - Data downloads creates redundancy and temporal inconsistencies
- Poor and inconsistent quality of online services (availability, reliability, and conformance to standards).
- Missing or inconsistent policies, procedures, and tools for full lifecycle management in a seamless, on-demand user search, exploration, discovery and usage experience.

Release 7 -Live

Release 7 Status

■ Object Editor

- Browse and filter by
 - Keyword Phrase, Type, Theme, Agency
- Create new Resource Items:
 - Dataset, Service, Concept (Keyword, Theme and Thesaurus), Organization, Contact
 - Import from ISO 19139 metadata
- Edit Resource Items
 - Augment, correct, link

■ Performance Dashboards

- LMA Dashboard – UI enhancements
- Service Dashboard – UI enhancements
- Dataset Dashboard (new) – search by keyword, theme, agency; determine status of linked services

■ Updates to RegP R6

- Updated RIM for alignment with OGC-based Semantic RIM
- Enhanced API for search and management
- Bootstrap Codelists for A-16 Themes and Organizations for FGDC Partner Agencies
- Auto-generate URIs for globally persistent identifiers out-of-the-box (required for linking and disambiguation)
- Ingest ISO-19139 XML with mappings to RIM
- Contributing updates back to the Apache SIS library (open source library for processing ISO metadata)

■ Wordpress integration

- Migration from Drupal begins
- Dynamic content for event and meeting information, online help, etc.

Release 8/9/10 Plans & Status

Roadmap: Release 8 (Apr/May 2017)

Theme: OpenLayer, OpenMap, and Open APIs

Capabilities

- Portfolio Resource Lifecycle Tools: OpenLayer & OpenMap
 - Create, Link, Update, Delete, and Report
 - Export: GeoPlatform Profile of ISO 19115-3
- Update Map Viewer to create and use OpenLayer and OpenMap
 - Search, View, Link, Save
- Enhanced API (Unified Access Layer)
 - Access controls
 - Collect and report utilization metrics

Benefits

- Deliver a rich portfolio experience
- Community/Topic-focused Linked Data, Services, Layers, and Maps
- Open APIs for search of Portfolio Assets
- Business intelligence and insights into usage and value of Portfolio Assets

Roadmap: Release 9 (Jul/Aug 2017)

Theme: Taxonomies, Knowledge Graphs, and Community Pilots

Capabilities

- Resource Utilization
 - Metrics Collection and Dashboards
- Integrate Taxonomy into Portfolio Resource Management
 - Register Taxonomy; Enhanced Editors
- Integrate Knowledge Graphs for OpenLayers and OpenMaps
 - LKG/MKG for OpenLayer & OpenMap Editors, Map Viewer and Map Manager tools
- Community Pilot Projects
 - Registering Taxonomies, Datasets, Services and OpenLayers
 - Curating, linking, grounding and sharing

Benefits

- 5-star Linked Data and Knowledge Graphs
 - Map makers add context (meaning, significance and relevance) to the map as "tradecraft"
 - Others can easily discover just the right map that is fit for their purpose
 - As community contributes rich social context, Maps become valuable social objects
- Expand impact of the GeoPlatform through outreach and engagement with communities of interest beyond the A-16 Themes

Roadmap: Release 10 (Oct/Nov 2017)

Theme: Community and Linked Catalog Pilots

Capabilities

- Recommender micro-services to leverage LKG/ MKG context and tradecraft
- Demonstrate integrations of community-supplied taxonomies
- Community Map Viewer tool for viewing dynamic, customized, reusable (embeddable) OpenMaps

Benefits

- Expanded use of context and tradecraft for rich GeoPlatform Portfolio experience
- Bridging across community and vendor datasets and catalogs
 - Find the right data
 - Fit-for-use



LMA Survey Update Community Cookbook Tutorial Update

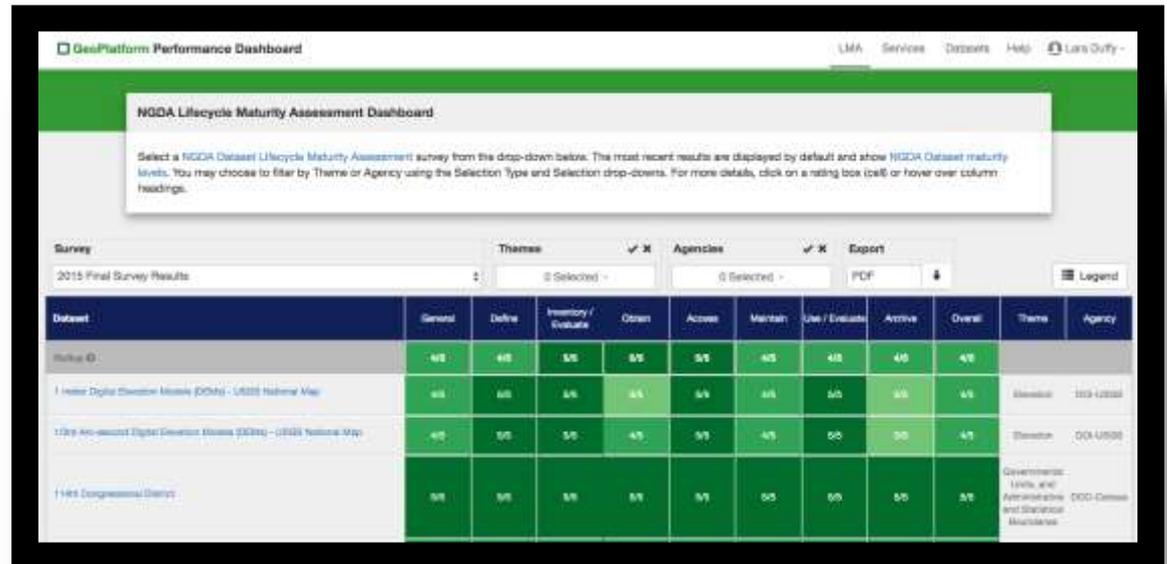
LMA Survey Update

■ Updating the Lifecycle Maturity Assessment

- April 3rd– Invite users for beta testing.
- May 8th - Survey goes live.
- Late Summer - Update Performance.

■ Changes

- A few questions may be slightly changed.
- Fewer questions with open ended answers.



Community Cookbook

- Purpose - To provide detailed information on creating a community space.
- What's included
 - Overview of Community Space and processes.
 - Detailed steps on what is involved in creating a community space.
 - Roles & responsibilities for creating and managing the spaces.

Creating your Community in WordPress

Getting started with WordPress

- Overview of key components of WordPress
 - Appearance – This section allows you to customize the look of your Community Space.
 - Announcements/Pages – This is where you publish your content.
 - Users /Settings – Members and roles can be managed in these sections.

The slide features a screenshot of the WordPress dashboard with a navigation menu on the left. Colored lines (red, yellow, blue) connect the menu items to the corresponding text in the list above. The dashboard shows sections for 'Dashboard', 'All in One', 'Activity', and 'WordPress News'. The GEOPLATFORM.gov logo is at the bottom left.

Elements of Appearance

- Theme
 - GeoPlatform compliant themed webpage templates are available.
- Customize
 - Customize your color scheme, photos, and layout.
- Widgets
 - Add or rearrange web applications.
 - (e.g. search bar, calendar, archives)

The slide includes three screenshots: a 'Theme' selection screen, a 'Customize' settings screen, and a 'Widgets' management screen. Blue arrows point from the text to the relevant parts of the screenshots. The GEOPLATFORM.gov logo is at the bottom left.

GeoPlatform Strategic Direction

- Revisit path forward aligning with the new Strategic Plan
- Revisit the business case and business needs
- Identify additional/new use cases
- Identify funding options
- Convene an Executive Committee meeting to begin the discussion

Thank You!

