

Coordination Group Meeting FGDC Business Report

Ken Shaffer

*Federal Geographic Data
Committee*

September 11, 2018



Background

This presentation contains general update information on FGDC business activities. A list of the other agenda topics with references to their associated materials is also included. This presentation is intended as a read-ahead with only highlights of some of these activities being presented during the meeting. Questions on the included topics or content can be posed during the FGDC Business Update during the meetings.

It is the responsibility of the attendees to review the material prior to the meeting, as per CG standard operating procedures.

The general organization of the information is:

CG Agenda Items - Items on the Coordination Group (CG) agenda with references to any read-ahead materials

FGDC Committee Meeting Summaries

FGDC Business Update - Current FGDC initiatives/activities

Committee's Decision Summary

❖ Steering Committee membership

- ❖ SAOGI Designation: FGDC OS continues to receive designations in response to the memo signed by FGDC Chair, Tim Petty, which was distributed to member agencies through the President's Management Council. This memo asked agencies to designate their Senior Agency Official for Geospatial Information (SAOGIs) to serve on the Steering Committee.

❖ Coordination Group Designations

- ❖ SAOGIs were asked to designate their Coordination Group member(s). New and re-designated member information is being validated and updated.

CG and SC Monthly Membership Changes

❖ Steering Committee

Department of Energy

- Pamela Isom, Chief Data Officer, Deputy CIO for Architecture, Engineering, Technology and Innovation, is the new SAOGI
- Albert Gallo, Office of the DCIO, Architecture, Engineering, Technology and Innovation is the SAOGI Alternate

Department of Health and Human Services

- Robert Shankman, GIS Branch Chief, Office of Security, Intel and Information Management (SIIM) is the new SAOGI Alternate

Department of Labor

- Chad Hancher, Acting Deputy Director, OASAM Performance Management Center, is the new SAOGI Alternate

CG and SC Monthly Membership Changes (cont'd)

❖ **Steering Committee (cont'd)**

Department of Veterans Affairs

- Melissa Chiu, Director, Statistic and Analytics Service
the new SAOGI Alternate

Smithsonian Institution

- Michael Sandor, Geographer, is the new SAOGI
Alternate

CG and SC Monthly Membership Changes (cont'd)

❖ **Coordination Group**

Department of Energy

- Albert Gallo, Office of the DCIO, Architecture, Engineering, Technology and Innovation is the CG Member Primary
- Pamela Isom, Chief Data Officer, is the new CG Member Alternate

Department of Homeland Security

- Michael Bergman, IT Specialist GIS Enterprise License Administrator, is the CG Member Alternate

Department of Homeland Security, FEMA

- Christopher Vaughan, FEMA Geospatial Information Officer is the CG Member Primary

Department of Housing and Urban Development

- Robert Renner, Geographer, is the CG Member Primary

CG and SC Monthly Membership Changes (cont'd)

❖ **Coordination Group (cont'd)**

Department of Labor

- Dennis Johnson, Acting Director, OASAM Performance Management Center, is the CG Member Primary
- Chad Hancher, Acting Deputy Director, OASAM Performance Management Center, is the CG Member Alternate

Department of Interior, Bureau of Ocean Energy Management (BOEM)

- Mark Mueller, BOEM Geospatial Information Officer, is the CG Member Primary
- Christine Taylor, Lead Physical Scientist is the CG Member Alternate

Department of Veterans Affairs

- Melissa Chiu, Director, Statistic and Analytics Service is the CG Member Primary

CG and SC Monthly Membership Changes (cont'd)

Environmental Protection Agency

- Ana Greene, Acting Deputy Geospatial Information Officer, is CG Member Primary
- Harvey Simon, Acting Deputy Assistant Administrator and Associate Chief Information Officer is the CG Member Alternate

General Services Administration

- Chris Coneeney, Acting Director, Real Property Policy Division, is the CG Member Primary

Library of Congress

- William Lazorchak, Information Technology Project Manager, is the CG Member Alternate

Steering Committee

- ❖ The next Steering Committee meeting is on October 11, 2018 from 1:00 pm-3:00 pm in the DOI, South Penthouse.

- ❖ Registration to attend the meeting is required.
 - Contact: Lucia Foulkes (lfoulkes@usgs.gov)

- ❖ Agenda is in development by the Steering Committee.
Potential agenda topics:
 - FGDC Business Update
 - Geospatial Platform Update
 - National Spatial Data Infrastructure (NSDI) Strategic Plan
 - September 5-6, NGAC Meeting Summary

Executive Committee

- ❖ The Executive Committee met on June 28th. Topics discussed:
 - June 27-28 NGAC Meeting Summary
 - National Agricultural Imagery Program (NAIP)
 - NSDI Strategic Plan
 - Geospatial Platform
 - FGDC Steering Committee Planning

National Geospatial Advisory Committee

Ms. Julie Sweetkind-Singer (Chair)
Stanford University

Mr. Keith Masback (Vice-Chair)
U.S. Geospatial Intelligence Foundation

Dr. David Alexander
Department of Homeland Security

Mr. Frank Avila
National Geospatial-Intelligence Agency

Dr. Sarah Battersby
Tableau Software

Mr. Talbot Brooks
Delta State University

Mr. Gar Clarke
State of New Mexico

Mr. Garet Couch*
National Tribal GIS Center

Ms. Patricia Cummins
ESRI

Mr. Stuart Davis
State of Ohio

Mr. Matthew Gentile
Deloitte Financial Advisory Services, LLP

Mr. Frank Harjo
Muscogee (Creek) Nation

Mr. Xavier Irias
East Bay Municipal Utility District

Ms. Roberta Lenczowski
Roberta E. Lenczowski Consulting, LLC

Mr. Roger Mitchell
MDA Information Systems, Inc.

Ms. Rebecca Moore
Google, Inc.

Mr. Kevin Pomfret
Centre for Spatial Law and Policy

Dr. Laxmi Ramasubramanian
Hunter College, City University of NY

Dr. Carl Reed
Carl Reed and Associates, LLC

Ms. Amber Reynolds
City of Topeka, KS

Dr. Douglas Richardson
Association of American Geographers

Mr. Cy Smith
State of Oregon

Ms. Rebecca Somers
Somers-St. Claire GIS Consultants

Ms. Jennie Stapp
State of Montana

Dr. Harvey Thorleifson
Minnesota Geological Survey

Mr. Jason Warzinik
Boone County (MO) Fire District

Dr. May Yuan
University of Texas – Dallas

September 5-6, 2018 NGAC Meeting – Agenda

Leadership Dialogue

Collaborative Partnerships

Federal Geospatial Highlights

NSDI Strategic Plan

- ❖ Vision
- ❖ Partnerships

NGAC Subcommittee Reports

- ❖ Infrastructure
- ❖ Cultural/Historical Resources
- ❖ Data as a Service
- ❖ Landsat Advisory Group

Lightning Sessions

Leadership Dialogue/FGDC Update

Leadership discussion & dialogue
with Tim Petty

Federal Geospatial Highlights:

- ❖ **Report on current FGDC activities**
(Ivan DeLoatch)
- ❖ **Status report on National Address Database**
(Steve Lewis/Lynda Liptrap)
- ❖ **Update on UN-GGIM**
(Tony LaVoi)



Spotlight Session – Collaborative Partnerships

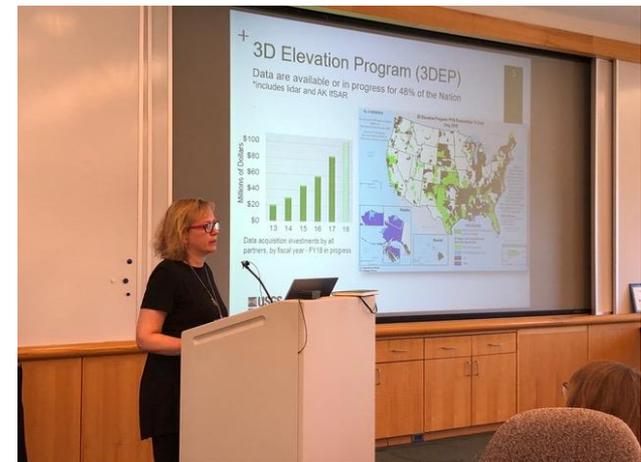
Session featuring presentations on collaborative partnerships. Part of NGAC effort to identify emerging best practices and models.

Presentations:

OGC Disasters Interoperability Concept Development Study – Mark Reichardt (OGC)

3D Elevation Program – Vicki Lukas (USGS)

Digital Coast – Tony LaVoi (NOAA)



NSDI Strategic Plan

Dialogue with FGDC team on:

Vision for next NSDI strategic plan

Geo community partnership and collaboration opportunities

Alignment with President's Management Agenda



NGAC Subcommittees

Infrastructure Subcommittee

- ❖ **Adopted four Use Cases** (pending minor edits):
 - Permit Streamlining
 - Pavement Maintenance
 - Underground Renewal
 - NY Cultural Resource Information System

Data as a Service Subcommittee

- ❖ **Adopted White Paper** (pending minor edits): “Geospatial Data as a Service: A Vital Investment in American Enterprise and Innovation”
- ❖ Additional Use Cases under development

NGAC Subcommittees

Cultural & Historical Resources Subcommittee

- ❖ Provided status report with preliminary findings from survey of Federal contacts
- ❖ Draft report by December 2018

Landsat Advisory Group

- ❖ Status report on Cost Sharing paper
- ❖ Draft report in early 2019

Lightning Talks

NGA Commercial GEOINT Strategy Update – Frank Avila

Statewide Seamless Compilation of Detailed Geologic Mapping – Harvey Thorleifson

Geospatial Technologies and Disaster: A Global Perspective – Talbot Brooks

TRELIS Update – Sarah Battersby/ Laxmi Ramasubramanian



Next Steps

NGAC Nominations

- ❖ Call for Nominations – Closed on August 27
- ❖ Many well-qualified nominations received
- ❖ Review panel to develop recommendations
- ❖ Final decisions on appointments made by DOI Secretary
- ❖ Expected date for new appointments – Dec 31, 2018

Next NGAC meeting:

- ❖ December 6 webinar meeting (tentative)

Coordination Group Meeting Dates

2018 FGDC CG Meeting Calendar

| DATE | ROOM |
|------------|---------------|
| 9/11/2018 | Kiowa Room |
| 10/9/2018 | Rachel Carson |
| 11/13/2018 | Rachel Carson |
| 12/11/2018 | Rachel Carson |

FGDC Business Update

- ❖ NGDA Portfolio Management
- ❖ NSDI Strategic Plan Update
- ❖ Geospatial Platform Update

National Geospatial Data Asset (NGDA) Portfolio Management

Lorna Schmid

FGDC OS

September 11, 2018



2017 Theme Report Status

Status as of 8/31/2018

| Theme | Strategic Plan | Implementation Plan Oct 17 | Lifecycle Maturity Assessment Reports | |
|-----------------------------|----------------|----------------------------|---------------------------------------|---------------|
| | | | Dataset | Theme Summary |
| Address | Not Submitted | Not Submitted | Not Identified | N/A |
| Biodiversity and Ecosystems | Complete | Not Submitted | 7 | Completed |
| Cadastre* | Complete | Not Submitted | 19 | Completed |
| Climate and Weather | Complete | Not Submitted | 5 | Completed |
| Cultural Resources | Complete | Complete | 2 | Completed |
| Elevation* | Complete | Complete | 12 | Completed |
| Geodetic Control* | Complete | Complete | 4 | Completed |
| Geology | Complete | Complete | 6 | Completed |
| Governmental Units* | Complete | Complete | 40 | Completed |
| Imagery* | Complete | Complete | 9 | Completed |
| Land Use Land Cover | Complete | Not Submitted | 14 | Completed |
| Real Property | Complete | Complete | 14 | Completed |
| Soils | Complete | Not Submitted | 5 | Completed |
| Transportation* | Complete | Complete | 16 | Completed |
| Utilities | Complete | In Review | 2 | Completed |
| Water Inland* | Complete | Complete | 5 | Completed |
| Water Oceans and Coasts* | Complete | Complete | 16 | Completed |

* Framework Themes

Contact **Lorna Schmid** for help completing reports:
lorna@usgs.gov

TO-14 NGDA Portfolio Support

❖ Theme Implementation Plans

- ❖ September Theme Lead Meeting will kick off Theme Implementation Plan updates for FY 18 (Due End of October)

❖ Theme Summary Reports Posted to:

- ❖ <https://communities.geoplatform.gov/ngda-portfolio/national-geospatial-data-asset-ngda-reports/>

❖ NGDA Dataset Reports Posted to:

- ❖ <https://communities.geoplatform.gov/ngda-portfolio/national-geospatial-data-asset-ngda-reports/>

❖ Portfolio Summary Report

- ❖ In draft review

❖ Theme Communities <https://www.geoplatform.gov/communities/>

- ❖ Working Group established to focus on Theme Community development, particularly maps and map galleries using web services

TO-14 NGDA Portfolio Support (Cont.)

❖ Metadata and Web Services

- ❖ Updated NGDA list and metadata links
https://www.fgdc.gov/ngda-reports/NGDA_Datasets.html
- ❖ Coordinating metadata improvement
- ❖ Coordinating FGDC-WAF deprecation
- ❖ Coordinating updating web services on GeoPlatform.gov

❖ Geospatial Platform CPIC Support

- ❖ Monthly risk table, EVM metrics and operational performance measures updated for July and August. Rebaseline request for 2020 and 2021 submitted to DOI
- ❖ eCPIC FY2020 IT Portfolio Summary; Acquisition Strategic Plan; Provisioned IT Services Spending Costs; Systems Inventory; and Major IT Business Case submitted to DOI to include request for additional performance measure approval.

NGDA Inventory & POC Updates

❖ Theme Executive Champion Change

| NGDA Theme | | |
|------------|--|--|
| None | | |

❖ Theme Lead Change

| NGDA Theme | New Theme Lead | Previous Theme Co-Lead |
|------------|-------------------|------------------------|
| Cadastre | Dominica VanKoten | Janet Wilkens |
| | | |

❖ Dataset Manager Changes

| NGDA Dataset Name | Theme | New Dataset Manager | Previous Dataset Manager |
|-------------------|-------|---------------------|--------------------------|
| None | | | |

National Spatial Data Infrastructure (NSDI) Strategic Plan

John Mahoney
September 11, 2018



NSDI Strategic Plan – Current Activities

- **NGAC** – feedback on conceptual approach (June 2018)
- **Steering Committee** – concurrence on proposed approach for NSDI strategic plan (July 2018)
- **President’s Management Agenda / Federal Data Strategy Alignment** – coordination meetings with FDS leadership/teams (ongoing)
- **NSDI Core Team**
 - Incorporating feedback from NGAC/FGDC community
 - Developing draft NSDI strategic plan
 - Refine timeline/implementation plan
- **External** – stakeholder review/comment on draft NSDI plan (Sept/Oct)

June 2018 NGAC Feedback - Key Points

- General support for national approach, but questions on NSDI concept
- Geospatial ecosystem has changed dramatically – need to define respective roles in evolving ecosystem
- Non-federal partners need to be more engaged in the development of the NSDI plan – but unclear on the best path
- Need to align with PMA/Federal Data Strategy
- Focus on achievable goals/outcomes – intersection of willing community of partners and high-impact opportunities
- Need to better understand business needs and ROI for geospatial investments

Proposed NSDI Strategic Plan Structure

2017 NSDI FRAMEWORK

Part II: Key Federal Responsibilities

- **Goal 1** – Expand the Geospatial Platform
- **Goal 2** – Enhance the Management of Federal Geospatial Assets (NGDAs)
- **Goal 3** – Update the National Geospatial Policy Framework

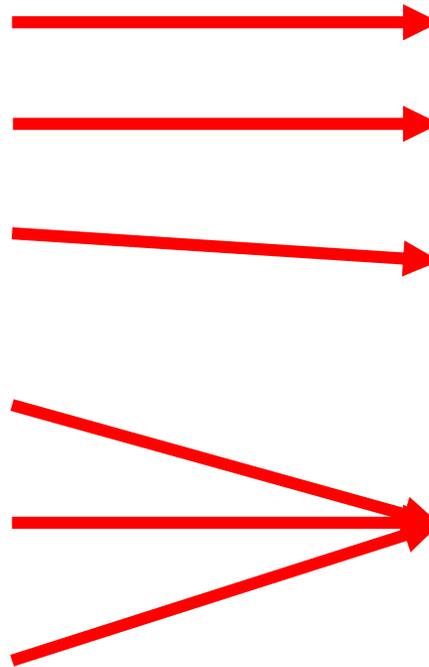
Part III: Partnership Opportunities

- **Strategy 1** – Focus on National Priority Data Initiatives
- **Strategy 2** – Rebrand the NSDI to Broaden Awareness and Understanding of Geospatial Community Issues
- **Strategy 3** – Address Emerging Topics

2019 NSDI PLAN APPROACH

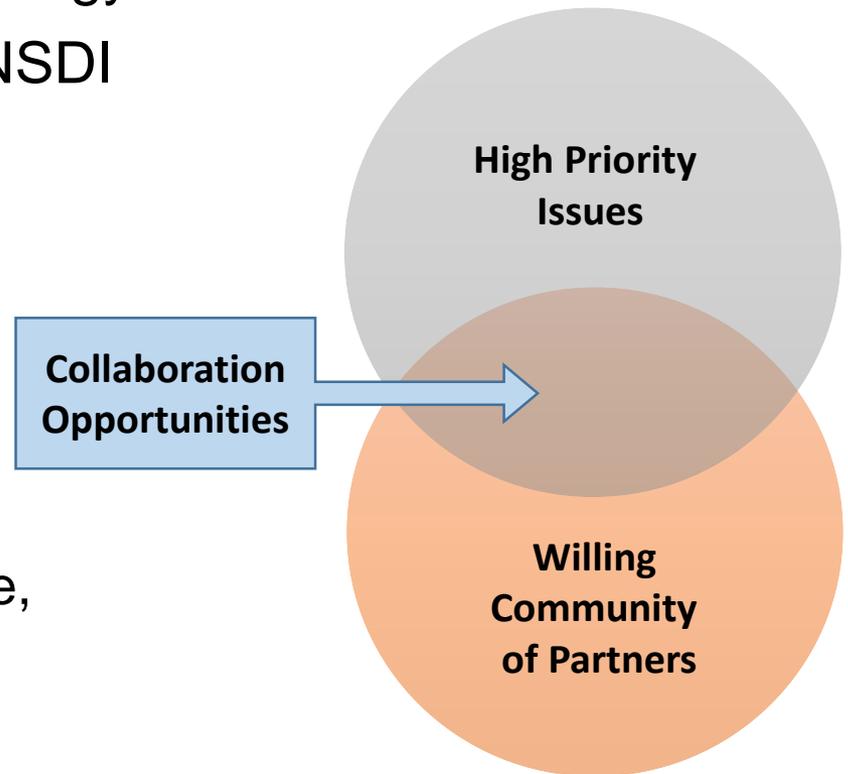
Strategic Goals

- **Goal 1 – Shared Services**
(GeoPlatform, Cloud services)
- **Goal 2 – Data, Accountability & Transparency**
(NGDAs, Priority Data Initiatives)
- **Goal 3 – Policy and Management**
(Update FGDC policies to reflect current policy environment)
- **Goal 4 – Collaborative NSDI Partnerships**
(Geo Community Collaboration Opportunities)



Goal 4: Collaborative NSDI Partnerships

- ❖ Develop NSDI Partnership Strategy
- ❖ Build 'national' component of NSDI
- ❖ Examples may include:
 - **Disaster Preparedness & Response**
(e.g., OGC Disasters Concept Development Study)
 - **Priority Data Initiatives**
(e.g., National Address Database, 3DEP, Imagery, etc.)
 - **Infrastructure**
(e.g., Permit streamlining)
 - **Others?**



Current Timeline

| Activity | Timeframe |
|---|---------------------------|
| Establish Project Core Team | May 2018 |
| Brief FGDC Chair | June 2018 |
| Conduct Core Team Meetings | Weekly – beginning in May |
| NGAC Meeting * | June 26-17, 2018 |
| Brief ExCom * | June 28, 2018 |
| Brief Steering Committee * | July 26, 2018 |
| Draft Strategic Plan Outline & Approach, Goals & Objectives | August/September |
| NGAC Meeting * | September 5-6, 2018 |
| NSDI Leaders Forum * | Week of Sept. 24 (?) |
| Distribute Review Draft; Begin Comment/Review Period * | Sept 24 – Oct 5, 2018 |
| Revise draft | Oct 12 – Nov 16, 2018 |
| Distribute Final Draft to NGAC, FGDC Community & Steering Committee | November 20, 2018 |
| NGAC Webinar – endorsement of plan * | December 4, 2018 (?) |
| Steering Committee Webinar – briefing on Final Draft * | December 6, 2018 (?) |
| Steering Committee – electronic votes due | December 14, 2018 |
| Final Version/Copy Ready Document | January 2019 |

* Opportunities for FGDC/partner input



Geospatial Platform Support Contract Monthly Update to Coordination Group



Technical Task Order Summary

❖ TO-13 Technical Support

❖ Support: Image Matters, Inc.

❖ Activities

- GeoPlatform.gov
 - Development – 3 planned releases of new capability
 - Operations and Maintenance
 - Community Support
 - Service Desk support
- Recent Events
 - July 24/25, FGDC/DHS Sponsored Disasters Workshop
 - 26 July, Multiagency Disasters Community coordination meeting (FEMA, USGS, NASA, NOAA, FGDC, et al)

Contact: Tod Dabolt DOI, IOS
thomas_dabolt@ios.doi.gov

Accomplishments

- ❖ Release 12 Hotfix promoted to Production on 2 August 2018
 - ❖ Fixes for reported issues related to harvesting metadata and curating objects
- ❖ All Communities and Portal upgraded to latest WordPress 4.9.8
 - ❖ Resolves vulnerability and theme/plugin compatibility issues
- ❖ Key contacts
 - ❖ NASA (ESDIS) – biweekly meetings; Resilience Community under construction; Common Metadata Repository (CMR) integrations in planning stages
 - ❖ GSA/NGA (CIBORG) – ongoing dialog and capability demonstration for commercial imagery catalog
 - ❖ FEMA/ multiagency – disasters.geoplatform.gov community coordination meetings and calls
 - ❖ WWHGD – World-Wide Human Geographic Data Working Group; migrating and refreshing Drupal content in WordPress CCB
 - ❖ DHS GeoCONOPS – plans initiated for content migration and refresh
 - ❖ DOT/Census NAD – National Address Database requirements elaboration, planning, and coordination

GeoPlatform.gov GFY18 Release Roadmap

10/19/2017 - 3/18/2018

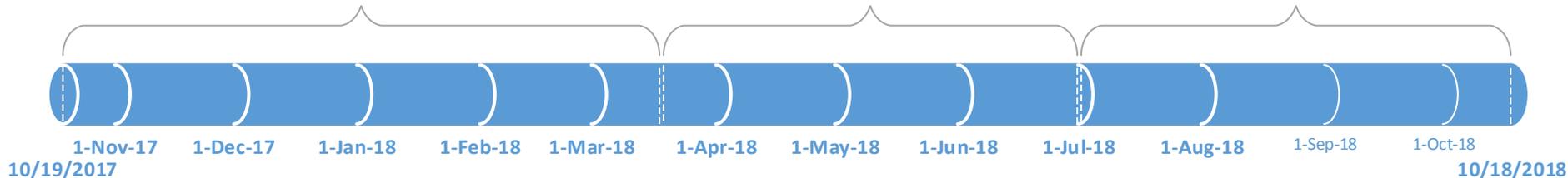
Release 11 (R11)

3/19/2018 - 7/1/2018

Release 12 (R12)

7/2/2018 - 10/18/2018

Release 13 (R13)



R11 – APIs, Toolkits, & Communities

- 2018 Roadmap planning
- Initial Open Application Programming Interface (API 1.0)
- Community Toolkit updates (CCB 1.2)
- Portal content refresh
- New community support (as needed)
- O&M / IA support (as needed)

R12 - Dynamic Digital Community Initiatives

- Open Application Programming Interface updates (API 1.1)
- Community Toolkit updates (CCB 1.3)
- Resource Performance Module 1.0
- Portal content refresh (as needed)
- New community support (as needed)
- Partner-driven projects for advanced capabilities and integration (as needed)
- O&M / IA support (as needed)

R13 – Dynamic Digital Community Initiatives

- Open Application Programming Interface updates (API 1.2)
- Community Toolkit updates (CCB 1.4)
- Resource Performance Module 1.1
- Portal content refresh (as needed)
- New community support (as needed)
- Partner-driven projects (as needed)
- O&M / IA support (as needed)

GeoPlatform.gov - Release 13 (early Oct 2018)

Theme: Open Shared Services and Operational Communities

New Capabilities

- ❖ Open API (1.2)
 - incremental enhancements
- ❖ Community Toolkit updates (CCB 1.4)
 - incremental enhancements; plugins for curating dynamic, customized, shared resources
- ❖ Resource Performance Module (1.1)
 - infrastructure and tools for collecting and reporting resource utilization metrics
- ❖ Enhanced Search for Portal and Communities
 - incremental enhancements
- ❖ Portal content refresh/ consolidation (as needed)
- ❖ Updated taxonomies (as needed)
- ❖ New community support (as needed)
- ❖ Partner-driven projects (as needed)
- ❖ O&M/ IA support (as needed)

Benefits

- ❖ Geospatial in the Semantic Web: Open Maps and Layers are created and used by other communities as sharable LOD commodities
 - ❖ Open: Vendor/ technology agnostic
 - ❖ Finding the right data (relevant, fit-for-use) across agencies and stovepipes
- ❖ Curated Community Portfolios
 - ❖ Streamlined metadata lifecycle management
 - ❖ Measure & improve resource utilization
- ❖ Delivering shared services for partner initiatives, missions and operational capabilities

GeoPlatform.gov – Communities

- ❖ **NGDA Theme Communities** – in Production; theme update with new plugins; train-the-trainer delivered and other support materials under development
- ❖ **Tribal Nations (BIA)** – in Production
- ❖ **Geoplatform Customers (DOI)** – in Production
- ❖ **GeoPlatform Core Team (FGDC)** – in Production (private)
- ❖ **Invasive Species (WGA)** – in Development
- ❖ **International Program for Human Geography (NGA)** – in Production (development ongoing)
- ❖ **DOI Office Emergency Management (OEM)** – ready for Production
- ❖ **US Group on Earth Observations (USGEO)** – in Development
- ❖ **GeoPathways (FGDC)** – in Development
- ❖ **Resilience (NASA)** – in Development
- ❖ **Disasters (FEMA)** – in Production (development ongoing)
- ❖ **WWHGD (NGA)** – migration/ refresh from Drupal to WordPress (in Development)
- ❖ **GeoCONOPS (DHS)** – migration/ refresh from Drupal to WordPress (in Development)

Questions