FGDC Steering Committee Presentation

March 12, 2020

Agenda

10:00	Welcome/Introductions	Tim Petty (DOI), James Wolff (OMB)
10:05	Council of the Inspectors General on Integrity and Efficiency (CIGIE) - GDA Audit	Corey Bidne (USDA OIG)
10:30	- GDA Roadmap - GDA Report to Congress - NSDI Strategic Plan - GDA Budget Initiative	Tony LaVoi (DOC) Ivan DeLoatch (FGDC) Carrie Stokes (USAID) Harvey Simon (EPA)
11:10	Geospatial Platform	Tod Dabolt (DOI)
11:30	Federal Data Strategy Actions and Pilot	Ken Shaffer (FGDC)
11:50	Wrap-up	Tim Petty (DOI)
12:00	Adjourn	

Welcome and Introductions

- Introductions

- Review of meeting objectives
  Tim Petty (DOI)

- Update on A-16 Revision and Federal Data Strategy
  James Wolff (OMB)

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Geospatial Data Act Mandatory Audit Requirements

CIGIE Geospatial Data Act Working Group

March 12, 2020

Corey Bidne CPA, CFE, CISA; Assistant Director, USDA OIG

Dr. Brett Baker CPA, CISA, Assistant Inspector General for Audit, NRC OIG

Tammy Whitcomb CPA, CIA, CISA, Inspector General, USPS OIG

Council of the
INSPECTORS GENERAL
on INTEGRITY and EFFICIENCY

Inspectors General

- Inspectors General Act of 1978, as amended
  - Originally 12 IGs, now 74
  - Promote economy and efficiency
  - Prevent and detect fraud, waste, and abuse
  - Keep agency heads and Congress fully informed
- Ensure programs working and funds used properly
- Investigate allegations of wrongdoing
- Operate a fraud hotline

Council of the
INSPECTORS GENERAL
on INTEGRITY *and* EFFICIENCY

Council of the Inspectors General on Integrity and Efficiency (CIGIE)

- Mission
  - Address integrity, economy, and effectiveness of Federal agencies
  - Establish policies and standards to increase effectiveness of OIG offices
- Members: Inspectors Generals (per IG Act)
  - Executive Chair: OMB Deputy Director (Management)
  - Council Chair: Member elected IG (serves for 2 years)
  - Standing committees:
    - Audit, Investigations, Legislative, Professional Development
    - Inspections/Evaluation, Integrity, Technology
- CIGIE facilitates Inspector General collaboration

Council of the
INSPECTORS GENERAL
on INTEGRITY and EFFICIENCY

CIGIE GDA Working Group

► Goals

   ► Develop and document a consensus on how affected IGs can approach the audit requirements of the Geospatial Data Act

   ► Identify an approach whereby IGs could provide value added feedback to their covered agencies, similar to the DATA Act Readiness Reviews

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DATA Act v. GDA

▶ The Digital Accountability and Transparency Act (DATA Act) of 2014 (All IGs)

  ▶ Included mandated audit requirements

  ▶ Verbiage of the Act introduced challenges to completing the initial audits

  ▶ CIGIE convened a group to develop and recommend an approach to meet the audit requirements

▶ The Geospatial Data Act (19 IGs)

  ▶ IGs expressed perceived challenges with meeting the inaugural Geospatial Data Act Audit requirements

  ▶ Working group was formed to identify a consistent approach that would benefit the Covered Agencies and fulfill the mandatory audit requirements, similar to the DATA Act

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INSPECTORS GENERAL
on INTEGRITY and EFFICIENCY

Audit Deadline

- Geospatial Data Act signed into law on October 5, 2018
- Inaugural IG audits due October 4, 2020 in final form

GDA Section 759(c) – Audit Requirements

▶ Not less than once every 2 years, the inspector general of a covered agency …shall submit to Congress an audit of the collection, production, acquisition, maintenance, distribution, use, and preservation of geospatial data by the covered agency, which shall include a review of—

 ▶ (1) the compliance of the covered agency with the standards for geospatial data, including metadata for geospatial data, established under section 757;

 ▶ (2) the compliance of the covered agency with the requirements under subsection (a); and

 ▶ (3) the compliance of the covered agency on the limitation on the use of Federal funds under section 759A.

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on **INTEGRITY** *and* **EFFICIENCY**

Examples of Audit Challenges Identified

▶ The working group did not identify an explicit linkage between the standards to be established under section 757 and the existing body of standards

▶ The inaugural audit falls within the Geospatial Data Act implementation timeframe (FGDC GDA Fact Sheet, May 2019)

Approach

The FGDC community is leading efforts to mobilize for implementation of the GDA.

Key Activities	Timeframe
Conduct initial analysis	FY 2019 Q1
Identify key issues & clarify requirements	FY 2019 Q2/Q3
Mobilize for implementation: develop implementation roadmap	FY 2019 Q3/Q4
Issue OMB guidance	FY 2020 Q1
Initiate GDA implementation strategy & Develop NSDI strategic plan	FY 2020 - 2021

▶ FGDC Tiger Teams seeks guidance on if GDA applies to all Federal geospatial data or just NGDAs (GDA Tiger Team Summary Meeting Notes November 2018)

CIGIE GDA Working Group Recommended Approach

▶ Recommending IGs review the Covered Agency's progress toward compliance with the Geospatial Data Act

    ▶ Covered Agency IGs will focus efforts on the 13 covered agency responsibilities outlined in section 759(a) of the Act

    ▶ Based on the geospatial landscape at each respective IG; the audit team can add or subtract audit procedures if determined necessary

▶ The working group determined this would be the best approach to

    ▶ Meeting the mandatory audit requirement; and

    ▶ Providing value added feedback to each respective Covered Agency regarding Geospatial Data Act compliance

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on INTEGRITY and EFFICIENCY

Conclusion and Questions

▶ In Conclusion

 ▶ The GDA includes a bi-annual mandatory audit requirement

 ▶ The IG community identified perceived challenges with conducting the inaugural audits

 ▶ A CIGIE working group was formed and recommended that IGs conduct an audit of the Covered Agency's progress toward compliance with the Geospatial Data Act, focusing on the 13 Covered Agency responsibilities under section 759(a)

   ▶ Based on the professional judgement of each respective IG; the IG can chose to add or reduce the scope of audit testing to meet the mandatory audit requirement

▶ Questions?

Geospatial Data Act Update

Topics:

- GDA Roadmap – Tony LaVoi, SAOGI, DOC

- Planning for 2020 GDA Report to Congress – Ivan DeLoatch, FGDC, Executive Director

- Development of NSDI Strategic Plan – John Mahoney, FGDC

- GDA Budget Initiative – Harvey Simon, SAOGI, EPA

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GDA Roadmap 2020-2021

Questions for consideration

- What does the GDA Roadmap contain and why is it necessary?

- How was the GDA Roadmap developed and how will it be maintained?

- What resource gaps exist and how can my agency support the GDA Roadmap activities?

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Why is the Roadmap necessary?

The GDA provides considerable opportunities for the Federal geospatial community <u>and</u> considerable requirements for planning, reporting, and performance

- Agencies need a guidebook: OMB Circular A-16 (when revised) will provide the 'what' but not the 'how'

- The Roadmap sets expectations for compliance: it identifies opportunities and requirements for standardizing responses (e.g. templates for Covered Agency reporting requirements)

- Serves as a high-level project management tool as well as a communication resource

- Identifies tasks that are on track, behind schedule, or experiencing roadblocks

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How was the Roadmap developed?

- Geospatial excels as an integrating technology, and the Federal geospatial community used an integrative process to collaborate on GDA compliance planning

- "Whole-of-FGDC" approach to developing the Roadmap

    - Multiagency working group meets weekly

    - Includes Covered Agencies and others (e.g., DoD and NGA)

- Shared ownership and shared leadership for tasks/sub-tasks; collaborative approach to interpretation

- Agile development: Roadmap will evolve over time as guidance from OMB and CIGIE inform GDA compliance guidance

- Important caveats: 1) The multiagency working group is not a dedicated PMO; 2) the Roadmap is not an integrated project plan

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What is in the Roadmap?

- Tasks selected based on:
  - Importance to GDA compliance success
  - Visibility and impact (relevant to all GDA Covered Agencies)
  - Establish a baseline of agency performance

- Tasks grouped into four bins:
  - Administration and Governance
  - Planning
  - Reporting and Audits
  - Communications and External Engagement

TASK	STATUS	FY 2020				FY 2021			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Administration and Governance									
1. Develop FY 2020/2021 GDA Roadmap	On schedule								
2. Issue Revised OMB Circular A-16	Behind schedule								
3. Revise FGDC Governance Structure	In progress								
4. Define NGAC Role and Processes	In progress								
5. Develop GDA Budget Recommendation	Behind schedule								
Planning									
6. Develop Revised NSDI Strategic Plan	On schedule								
7. Implement FDS Action Plan FY19-20 FGDC Actions	Pending								
8. Execute FDS Pilot – GDA Federal Investments and Incentives Assessment	Pending								
Reporting and Audits									
9. Complete FY 20 Agency Reporting Requirements	In planning								
10: Develop FY 20 FGDC Annual Report & FGDC Report to Congress	In planning								
11. Complete GeoPlatform Planning and Reporting	In progress								
12. Support Covered Agency IG Audits	In progress								
Communications and External Engagement									
13. Develop/Execute GDA Communications Strategy	In progress								

What is in the Roadmap?

Administration and Governance
1. Develop FY 2020/2021 Roadmap
2. Issue Revised OMB Circular A-16
3. Revise FGDC Governance Structure
4. Define NGAC Role and Processes
5. Develop GDA Budget Recommendation

Planning
6. Develop Revised NSDI Strategic Plan
7. Implement FDS Action Plan
8. Execute FDS Pilot – GDA Federal Investments and Incentives Assessment

Reporting and Audits
9. Complete FY20 Agency Reporting Requirements
10. Develop FY20 Agency Annual Report & Report to Congress
11. Complete GeoPlatform Planning and Reporting
12. Support Covered Agency IG Audits

Communications and Federal Engagement
13. Develop/Execute GDA Communications Strategy

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How can my agency assist?

TASK 9: Complete FY 20 Agency Reporting Requirements (Covered Agency Reports, Lead Covered Agency Reports, Inputs for FGDC Report to Congress, Agency GDA Strategies)	
DESCRIPTION: Assist agencies with reporting requirements by developing a template and defining success for each requirement. Develop a common set of agency strategies aligned with government-wide NSDI strategic plan.	
DUE DATE: April 2020	**STATUS:** In progress
OUTCOME: Agencies have common requirements templates, strategic plan guidance, and a consensus on expectations. When OMB/FGDC sets due dates, agencies are prepared to execute their reporting processes.	
RESPONSIBLE: Covered Agencies, Lead Covered Agencies, FGDC OS, OMB	
Active Resources	**Needed Resources**
GDA Work Group, NGDA Theme Leads Group, FGDC OS	**Contract Support:** PMO support needed to coordinate development & implementation of reporting requirements.
DEPENDENCIES: **DEPENDENCIES**: OMB A-16 Guidance, OMB guidance on due dates and requirements, NSDI Strategic Plan	

- Current GDA Roadmap is NOT sufficiently resourced to be successful
  - Need more GDA Covered Agencies to lead specific tasks – SAOGI Champions
  - Seeking additional agency staff to participate in Roadmap development and task teams – subject matter expertise, project management, and communications
  - Funding a GDA Program Management Office (PMO) would provide consistent leadership and support to Covered Agencies and NGDA theme leads

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GDA Report to Congress

Planning for 2020 GDA Report to Congress
- Ivan DeLoatch (FGDC)

Expected Outcome: Update and engagement.

- Planning and process needs to begin now for first GDA report to Congress

- Team/group needs to be organized now

- Develop approach/model

- Establish timeline/work plan (due date TBD based on master schedule)

- NGAC input on key messages and use cases

- Include both Agency and FGDC requirements

ACTION: Designate Steering Committee Executive Champion(s) to lead effort.

ACTION: Team to work with OMB to define the review and submission process & timeline.

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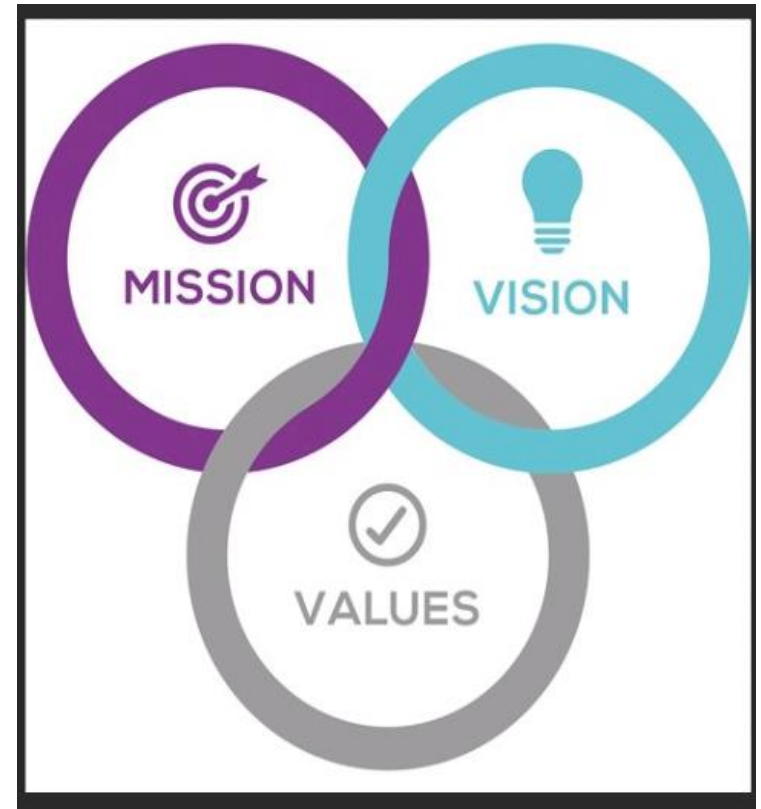
NSDI Strategic Plan

GDA Section 755. National Spatial Data Infrastructure

This section defines the NSDI as "the technology, policies, criteria, standards, and employees necessary to promote geospatial data sharing throughout the Federal, State, Tribal, and local governments, and the private sector (including nonprofit organizations and institutions of higher education)." It also establishes goals for the NSDI and mandates that FGDC *prepare and maintain a strategic plan*.

(c) STRATEGIC PLAN. —The Committee shall prepare and maintain a strategic plan for the development and implementation of the National Spatial Data Infrastructure in a manner consistent with national security, national defense, and emergency preparedness program policies regarding data accessibility.

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NSDI Strategic Plans - Recent History

- **NSDI Strategic Plan 2014-2016**

- **NSDI Strategic Framework 2017-2018** (transitional plan)

- **NSDI Strategic Planning Initiative 2018** (in development until GDA passed)

2020 NSDI Strategic Plan Approach

High-Level NSDI Strategic Plan

- Initial three-year plan, focused on GDA implementation activities

- Developed through collaboration with with NGAC & partners/stakeholders

- Plan will include mission, vision, guiding principles, and high-level goals & objectives

- Plan will provide framework for Covered Agency GDA strategies

- Plan will position FGDC to develop longer-term implementation roles, goals, and approaches

- Target completion date: ~September 2020

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NSDI Planning Timeline

2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
GDA enacted												
	OMB A-16											
		High-level NSDI Plan										
					NSDI Strategic Plan							
									NSDI Strategic Plan			

Initial high-level NSDI Plan. 3-year timeframe. Focus on initial GDA implementation actions

Follow-on NSDI Plans. 4-year timeframe. Based on extensive stakeholder engagement. Focus on national approach/goals for NSDI.

DRAFT – February 2020

2020 NSDI Plan Timeline

Timeframe	Action	Status
Sept 2019	Initiate NSDI Strategic Plan Initiative Set up NGAC NSDI Action Team – assist in planning Joint Session	Completed Completed
Dec 2019	Conduct NSDI Joint Visioning Session at NGAC meeting Establish NGAC NSDI Subcommittee to draft vision, mission, guiding principles	Completed Completed
Jan 2020	Establish NSDI Core Team comprised of FGDC & NGAC members to draft strategic goals & objectives	Completed, team meeting weekly
Feb 2020	Draft vision, mission, guiding principles – NGAC Subcommittee Draft strategic goals & objectives – NSDI Core Team	In progress, on schedule
March 2020	Drafts of vision, mission, guiding principles (Due Mar 1) Conduct NSDI Leaders Forum planning session - invited community leaders • Output – Discuss/validate vision, mission, strategic goals • Socialize with constituent groups through professional conferences and communications with membership	Drafts completed In planning & scheduled
April 2020	Core Team review final drafts of strategic goals and objectives Conduct a one-day planning session with Core Team to finalize Draft Plan v1	Planned
May 2020	Distribute review Draft Plan v1 for agency and NGAC comment (2 weeks) Revise draft based on comments & feedback (2 weeks)	Planned
June 2020	Announce public comment period in Federal Register Distribute review Draft Plan v2 to stakeholder community for public comment & feedback (3 weeks?)	Planned
July-August 2020	NSDI Core Team adjudicates comments, develops final Draft Plan (v3) Final Draft Plan v3 distributed to FGDC Steering Committee & NGAC	Planned
Sept 2020	Approval by FGDC Steering Committee Endorsement by NGAC	Planned
Dec 2020	Agencies complete GDA geospatial strategies (in support of the NSDI strategic plan)	Planned

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FGDC / NGAC Teams

NGAC NSDI Subcommittee	FGDC NSDI Core Team
Initial Focus: Develop draft Mission, Vision, Guiding Principles	**Initial Focus**: Develop draft Strategic Goals & Objectives; stakeholder outreach
Team Members: • May Yuan (UT Dallas) – Chair • Gar Clarke (State of New Mexico) • Bobbi Lenczowski (REL Consulting) • Christine Stinchcomb (Pauling County, GA) • Mark Reichardt (OGC)	**Team Members:** • Ivan DeLoatch (FGDC) – Co-Lead • Carrie Stokes (USAID) – Co-Lead • Pamela Isom (Dept of Energy) • Lynda Liptrap (Census) • Gita Urban-Mathieux (USGS) • Mark Reichardt (NGAC liaison) • Ken Shaffer (FGDC) • John Mahoney (FGDC) • Tricia Gibbons (FGDC support)

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Draft NSDI Plan Components

- **VISION: Empowering a geo-enabled Nation and world for place-based decision making**

- **MISSION: The NSDI provides a geospatial network of resources that seamlessly integrates location-based information to serve the needs of the Nation and global interests**

- **DRAFT STRATEGIC GOALS:**

  - **Goal 1** – Implement the national geospatial policy framework as defined by the Geospatial Data Act and related statutes and policies

  - **Goal 2** – Enhance management of National Geospatial Data Assets

  - **Goal 3** – Promote use of open standards to enable seamless integration, sharing, and use of geospatial data and services.

  - **Goal 4** – Establish and implement collaborative geospatial partnerships for high priority national issues and business needs

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March 10 NSDI Leaders Forum

- Half-day webinar session with key partner organizations

- 14 national organizations + NGAC members

- Purpose: Share information on NSDI planning process & gather initial input & suggestions

- Excellent discussion with constructive feedback – will continue dialogue and schedule follow-up meeting

- Meeting summary & materials will be posted on NSDI plan page: www.fgdc.gov/nsdi-plan

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GDA Budget Initiative – Harvey Simon (EPA)

Expected Outcome: Concurrence on approach for budget strategy.

- March FGDC Steering Committee Meeting:
  - **ACTION 3**: **Develop a GDA Implementation Budget Initiative**

- **Team Members**: Harvey Simon, EPA (Co-Lead); Ivan DeLoatch, FGDC (Co-Lead); Tod Dabolt, DOI; Shirley Hall, USDA; Amy Nelson, DOT; Grace Hu, OMB; FGDC staff.

- Team has held three meetings. Discussed options/scope, processes to make shared funding process operate more efficiently, possible approaches for funding strategy.

- Need approach soon for any FY2022 budget proposal.

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High-Level GDA Funding Approach

Funding Source	Component	GDA Requirement	Funding
DOI/USGS Base-funded	**1. FGDC Operations (FGDC Secretariat)** FGDC Committee support NGAC management/support GDA program oversight/contract management Back office functions (HR, records, etc.) Special initiatives	**Sec. 753** – Federal Geographic Data Committee **Sec. 754** – National Geospatial Advisory Committee	$$
Interagency Funding	**2. GeoPlatform Shared Services** - GeoPlatform Operations - Technical Development - Help Desk	**Sec. 758** – GeoPlatform	$$
Interagency Funding	**3. GDA Project Management Office** - Support development and implementation of NSDI strategic plan - Support development and coordination of NGDA Data Themes - Support development and coordination of Geospatial Data Standards - Support enterprise approach to implementation of Covered Agency Responsibilities (planning & reporting)	**Sec. 755** – National Spatial Data Infrastructure **Sec. 756** – NGDA Data Themes **Sec. 757** – Geospatial Data Standards **Sec. 759** – Covered Agency Responsibilities	$$

Geospatial Platform

Tod Dabolt

DOI OCIO

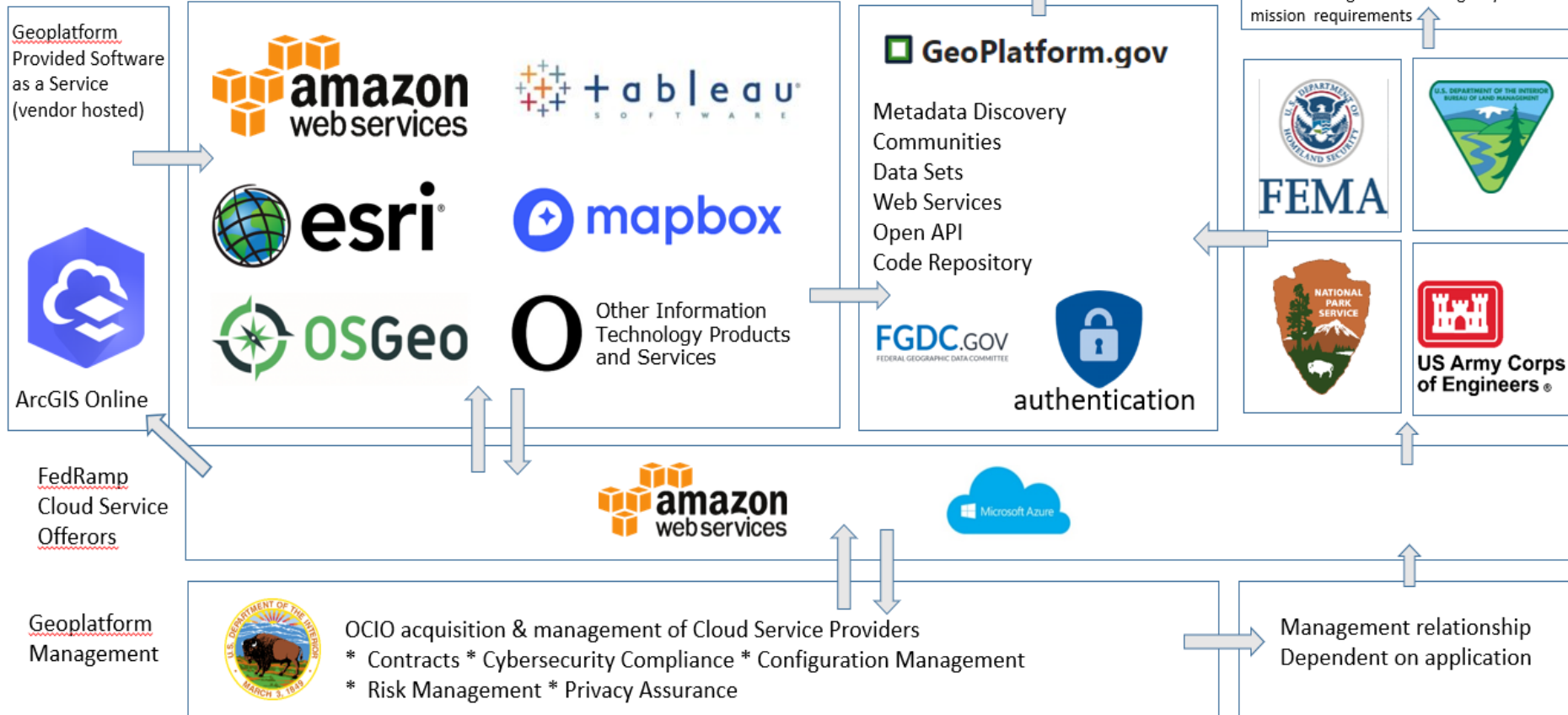*CDO, GIO, SAOGI, GP Managing Partner*

GeoPlatform.gov Overview
March 2020

What is GeoPlatform.gov

Shared services for open geospatial data and technology…

- Implements key objectives of the National Spatial Data Infrastructure (NSDI) Strategic Plan and the National Geospatial Data Asset (NGDA) Management Plan

- Reliable portal to nation's ecosystem of distributed geospatial data and services

- Stakeholders publish their "assets" (datasets, services, layers, maps) once, accessed anywhere

- Direct access to the nation's online geospatial resources
  - Single point of access for finding data assets, services, layers and maps
  - Provides managed hosting services for our stakeholders

- Application platform providing shared core application services for stakeholder and community collaboration (e.g., building shared map galleries for communities of interest)

Stewards of the NSDI

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Towards shared geospatial knowledge and services....

Geoplatform Architecture

GeoPlatform

What you see depends on where you enter

- GeoPlatform.gov

- ArcGIS On-line

- GeoPlatform Hosting

- These are core components that are complementary
  - Identity management
  - Security
  - Emphasis on inter-agency / enabling horizonal missions
  - Data

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Towards shared geospatial knowledge and services....

The National Geospatial Platform CONOPS

"I can quickly find the right resource!" → **Enhanced Search**

"How are my assets performing?" → **Enhanced Portfolio Management**

"Let me build and share my Open Map." → **Enhanced Application Services**

"I can add to my community gallery." → **Enhanced Community Services**

"Interagency collaboration is easier." → **Enhanced Access via Knowledge Graphs**

"Enable my application to utilize resources." → **Easy, Direct Access via API's**

Hosted GeoPlatform Resources

Curated Resource Collections

Distributed Remote Resources

Datasets
Services
Layers
Maps

Registry+   **Metadata**

Unified Knowledge Graph

Integrated Web Objects

Places   Orgs   Events   People   Things

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- *Aggregates*, *brokers*, *curates*, and *disseminates* data, services, and derived value-add products

- Fosters *transparency* and *collaboration* for greater reuse and sharing

- Instrumented to report utilization of Portfolio Assets

- Standards-based, Open APIs, plugins, and shared services for building entirely new or mission-specific applications and services

Towards shared geospatial knowledge and services....

GeoPlatform.gov User Accounts

Agency	Total Active Accounts
BLM	278
USGS	444
DoD (mail.mil)	325
NOAA	227
FEMA	220
EPA	183
USACE	180
USDA & USFS	435
NGA	131
US Army	123
DHS	247
NPS	86
GSA	94
FWS	82

Agency	Total Active Accounts
US Navy	86
US Air Force	67
DOI OS	63
US Coast Guard	63
VA	60
All Other GeoPlatform Users	21,838

Data Search, Discovery and Recommendation

Key Capabilities and Features

Search GeoPlatform Portfolio and WordPress content (pages/posts)

Search using

- "free text"

- communities

- keywords

- publishing agencies

- themes

- geographic extent

- creator

- similarity
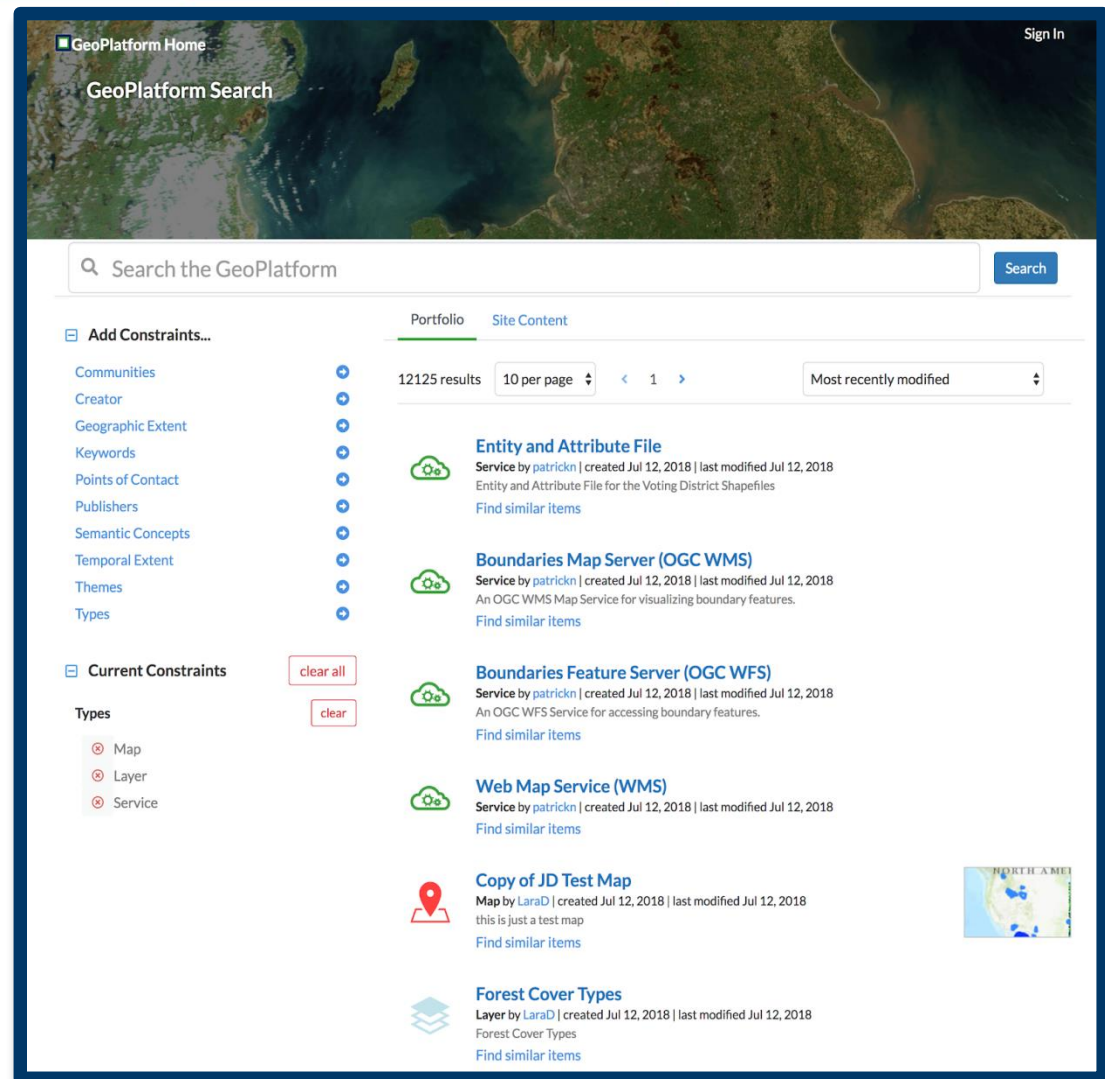
Geoplatform Map Manager & Galleries

I've got a map I need to quickly load, add some layers, and share for my people to see….

https://viewer.geoplatform.gov/

Upload a Web Map Context document…

New map created from WMC document… add more layers and save.

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Towards shared geospatial knowledge and services….
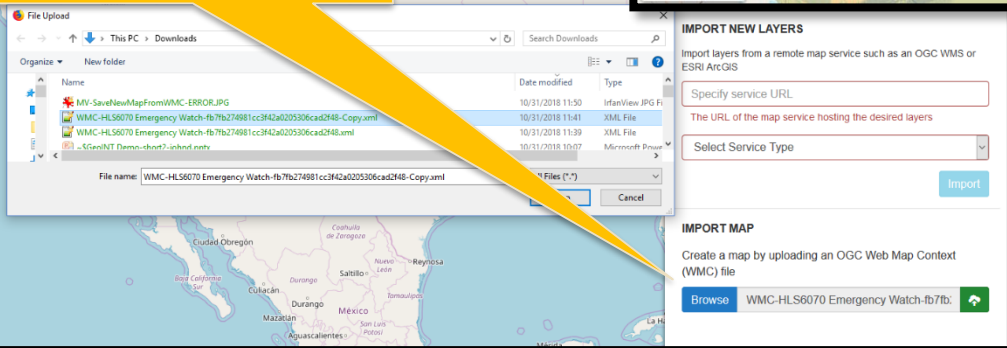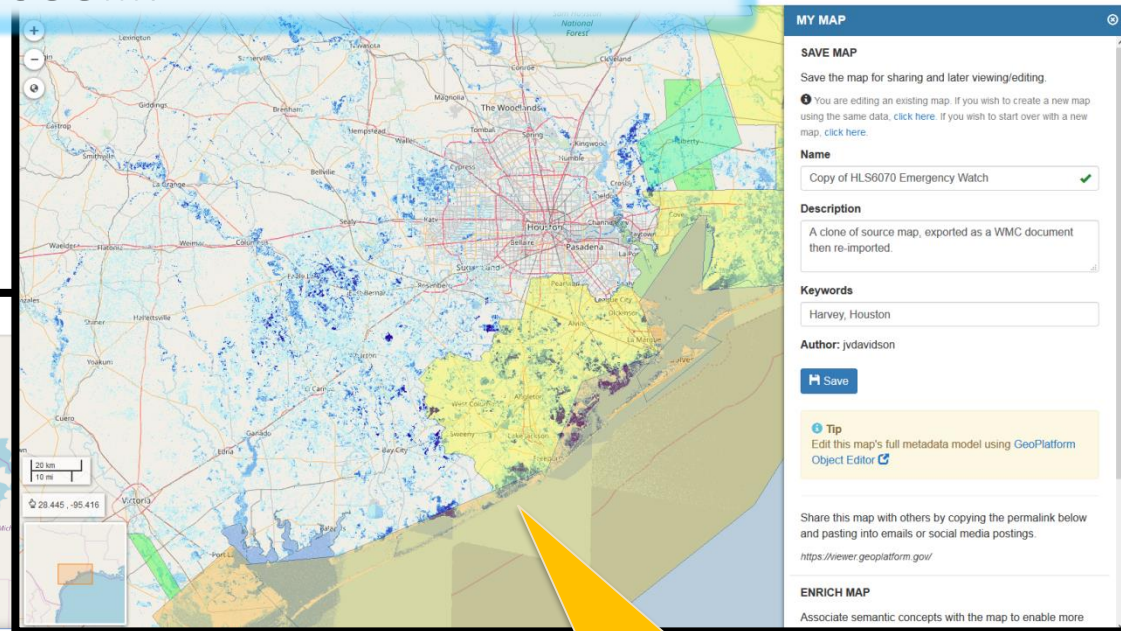
Geoplatform: "FAIR" Geospatial Data for the Nation (Findable, Accessible, Interoperable, Reusable)...

Event-driven workflows for inter-agency data sharing

Creation

Agency Hosted Services

AGOL Publishing

Data.gov

Others

Register your data, services, maps, applications

Registration

GeoPlatform.gov

Curation

Community

Community

Community

Utilization

Google Search

StoryMaps

Models

Analysis

Decisions

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Towards shared geospatial knowledge and services....

Object Editor

Upload metadata from URL or local file

Import metadata from data.gov
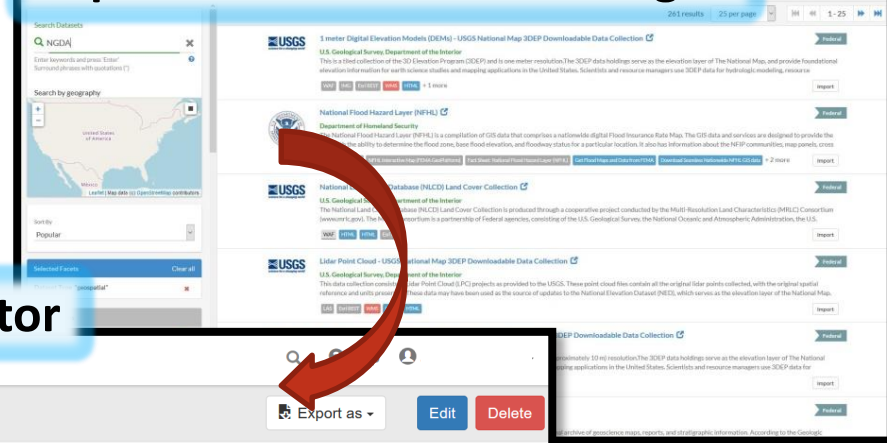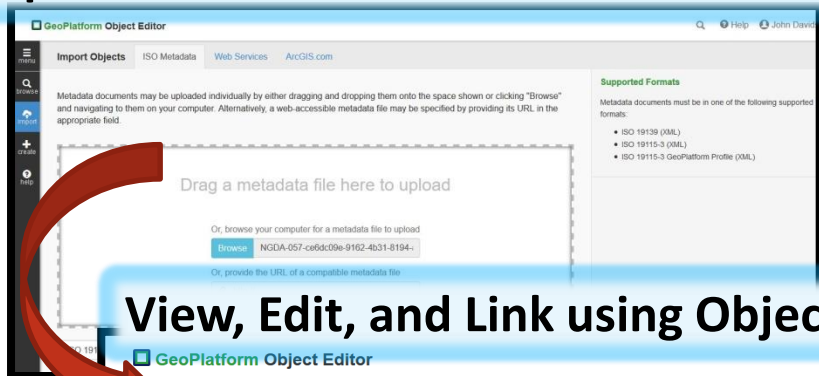
View, Edit, and Link using Object Editor
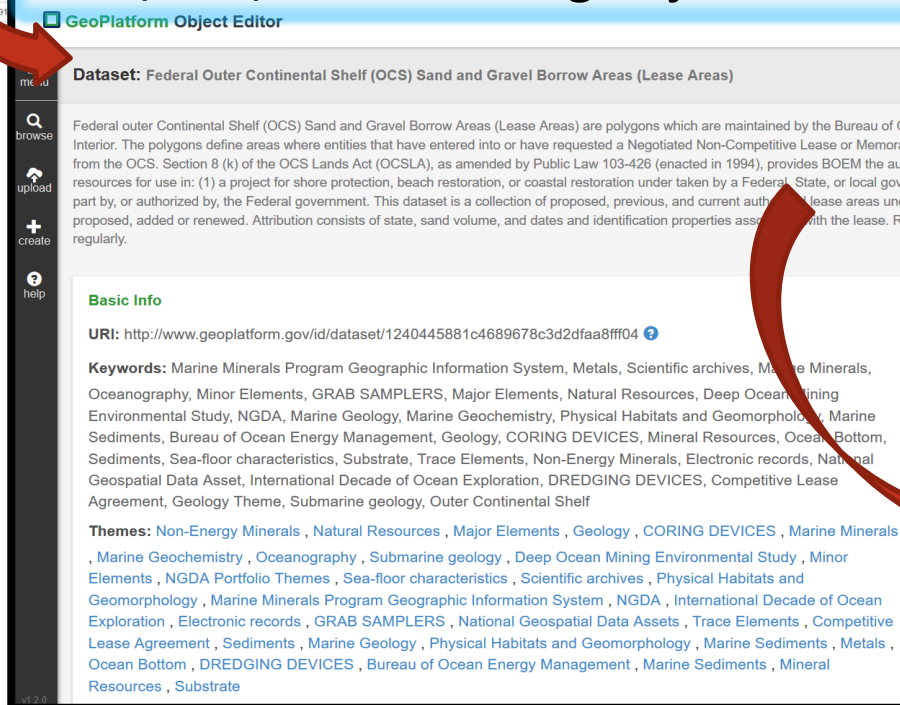
Export to ISO metadata

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GeoPlatform Dynamic Digital Communities

Our inter-agency workgroup needs an online community to share the portfolio of resources we are actively curating…

Community Search Plugin

Create or pick a Theme

Live Map Plugin

Map Gallery Widgets

Portfolio Search Plugin

https://communities.geoplatform.gov/ccb-demo

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Towards shared geospatial knowledge and services….

Share/Collaborate: New Theme Features
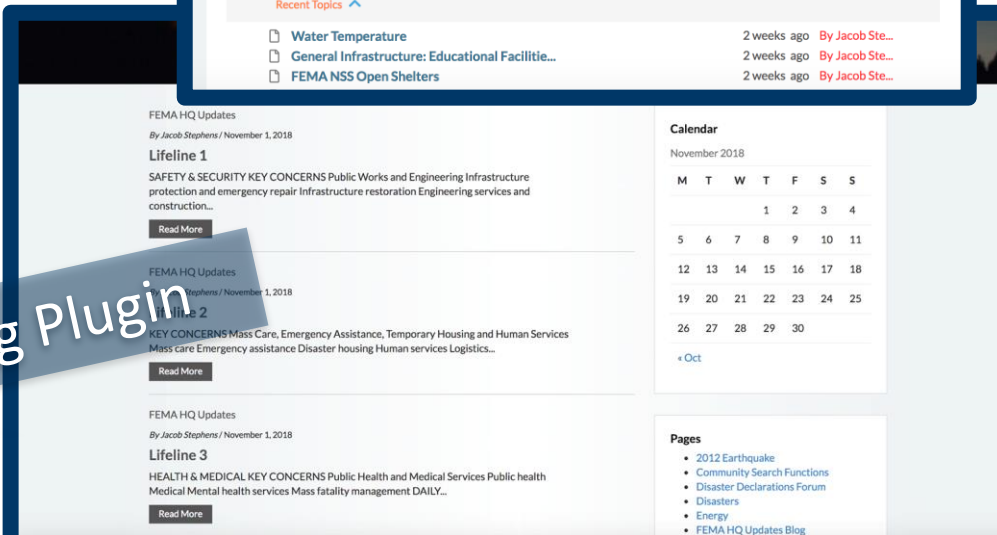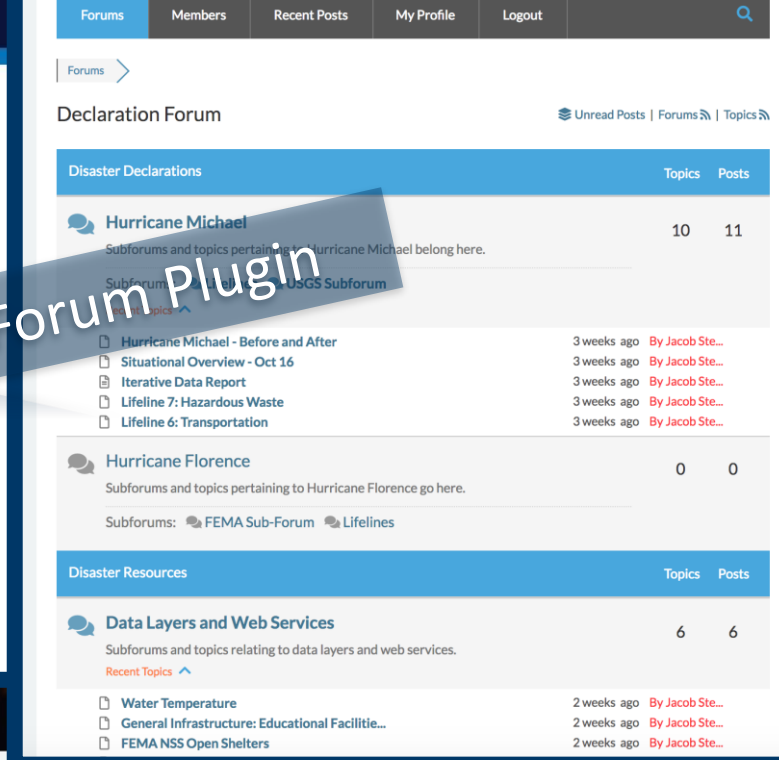
CCB Theme
- Category Links
- Re-order featured cards
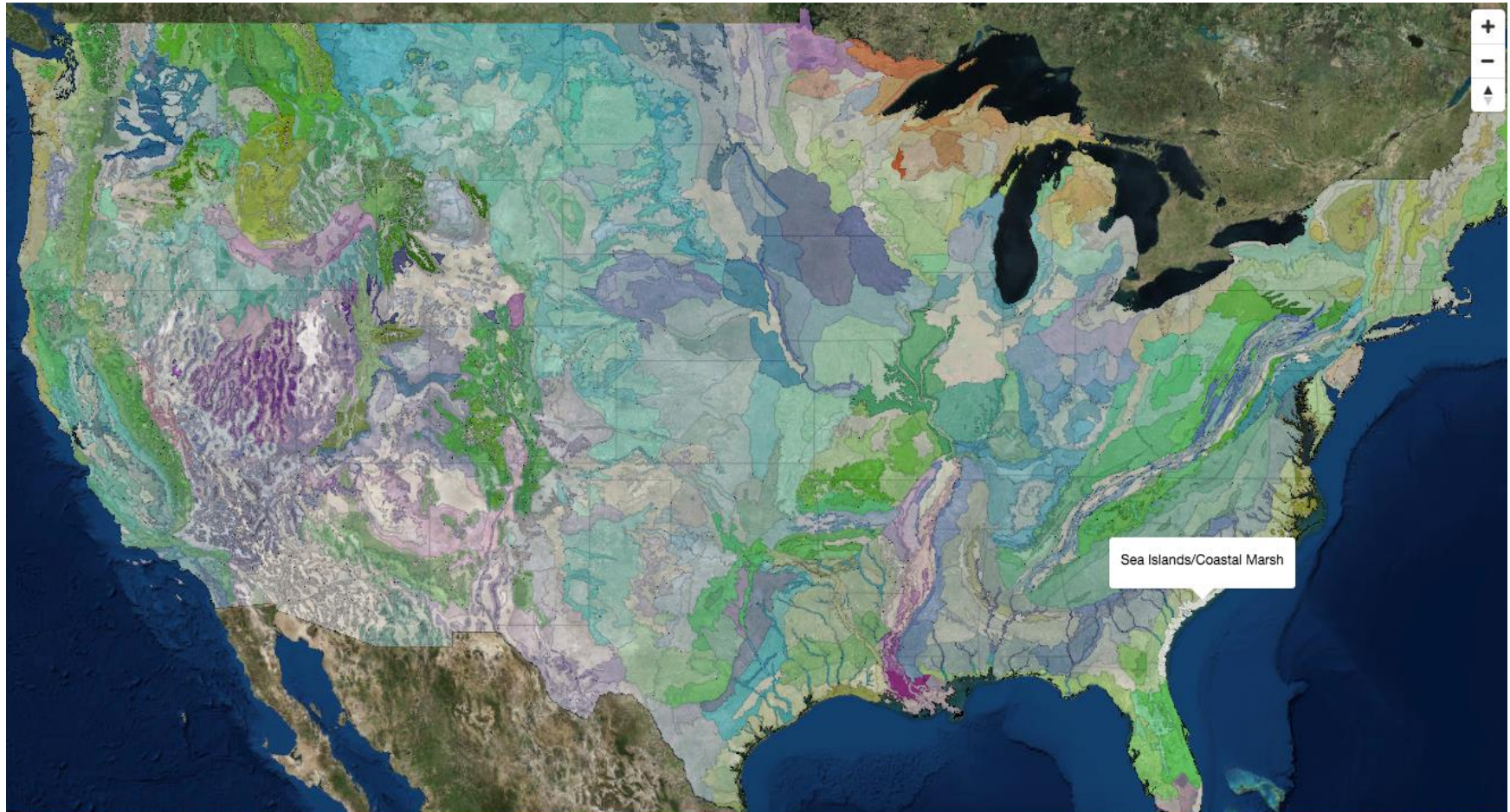- Re-order posts and pages
- New menu location

Child Themes
- *Portal* and *NGDA* are child themes of CCB Theme
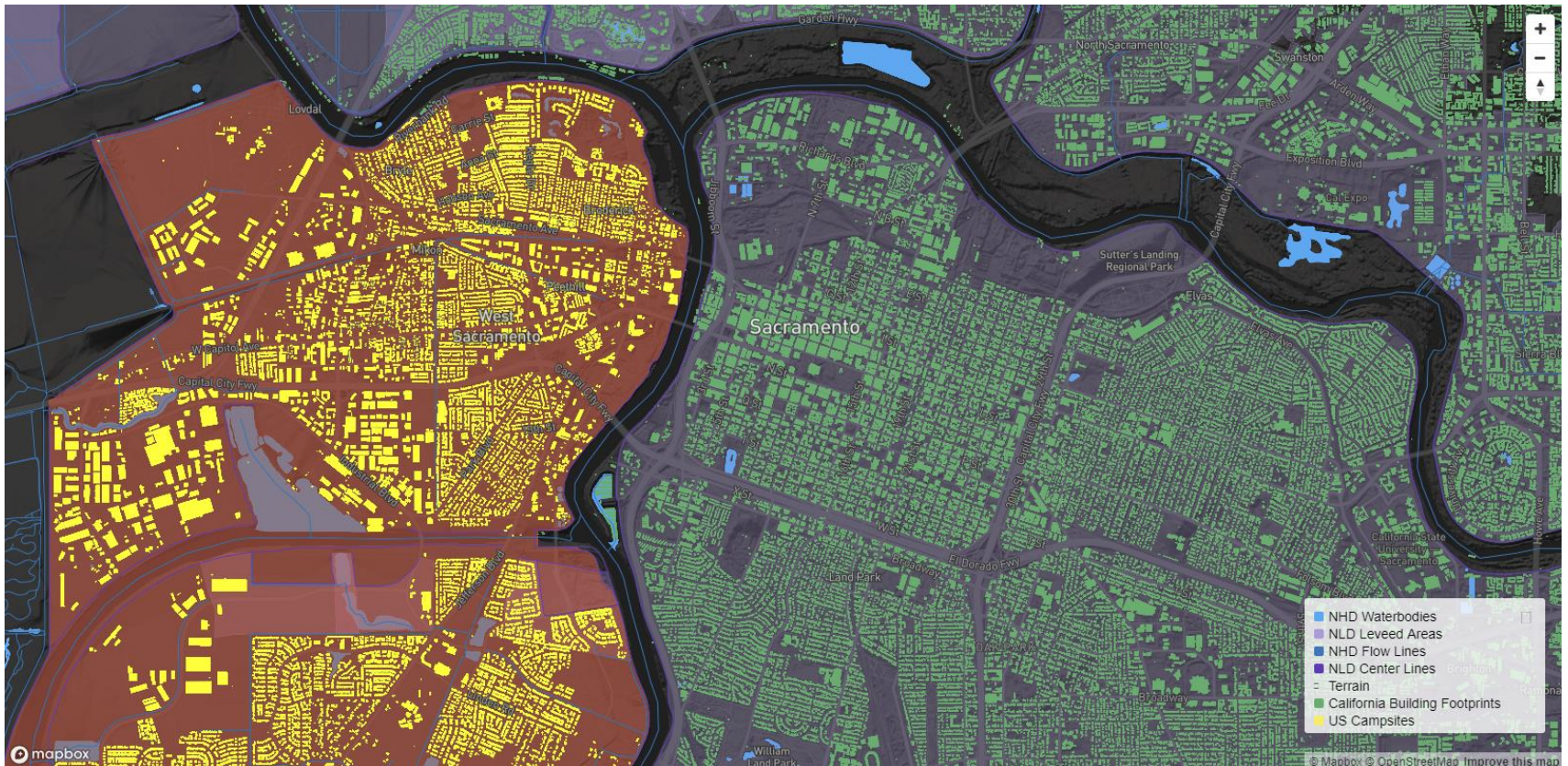
Recommended 3rd party plugins
- **wpForo Forum** – A 3rd-party plugin to handle community forums
- **WP Blog and Widget** - A 3rd-party plugin for community blog capabilities
- **RSS/ Atom feeds**

Forum Plugin

Blog Plugin

Example: Ecoregions & Basemap

Sea Islands/Coastal Marsh

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Towards shared geospatial knowledge and services….

Geoplatform Cloud Computing for Geospatial Data Analysis & Delivery

Example: National Hydrography Database, National Levee Database and Microsoft building footprints

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Towards shared geospatial knowledge and services….

Information System Security Activities

Information System Security Officer

Authentication & Access Monitoring
Operating system stig compliance
Operating System administration
Host Bases Security
Automated configuration
AWS security Monitoring
Server monitoring /
Application uptime
Patch management
Log shipping /
DNS registration
Pki / certificate management
Firewall
508 compliance review
Penetration testing / fortify

Towards shared geospatial knowledge and services....

Strengths

- Strong collaborative partnerships
- Ability to interact with States, Locals, Foreign Govt and NGOs
- Solid technical foundation
  - secure
  - scalable
  - AI enabled
- Standards based and interoperable
- Relatively modest investment

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Towards shared geospatial knowledge and services....

Known challenges

- User engagement; outreach; training
- Stakeholder and customer relationship management
- Wider agency adoption
- Timeliness and friction associated with collection of funds
- Identity and Access management
- Metadata constraints (quality, formats and clunky workflows)

Towards shared geospatial knowledge and services....

What's the right balance?

- NGDA Portfolio Efforts
- GeoPlatform Operations and Maintenance
- GeoPlatform Development
- User engagement, outreach, training
- Stakeholder and Customer Relationship Management
- GDA Reporting Enhancements

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Towards shared geospatial knowledge and services....

Thank You!

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Federal Data Strategy FGDC Actions

Ken Shaffer

FGDC

Deputy Executive Director

Action 10: Integrate Geospatial Practices into the Federal Data Enterprise

By December 2020, FGDC, in coordination with the OMB Federal Data Policy Committee (FDPC), will improve the value of, and access to, geospatial data and services for use across the Federal data enterprise and the public through the implementation of the GDA.

Through this action, FGDC members will coordinate with their agency Data Governance Board (DGB), their SAOGI, and the FDPC on the use and integration of geospatial data into broader Federal efforts.

FDS FY 2020 Action Plan – FGDC Action

Part 1: **Develop an NSDI Strategic Plan**

    Milestone: Establish the NSDI strategic Plan

    Measure: Completion

Part 2: **OMB SAOGI will assist the FGDC in ensuring FGDC cross-representation on appropriate data oversight bodies to help spatially enable the Federal data enterprise.** To establish a process to develop consistent identification of the spatial attributes of both spatial datasets (contain spatial geometry) and non-spatial datasets to facilitate machine interpretable methods of relating or joining data for analytics and innovation.

    Milestone: Engage with other relevant councils

    Measure: Number of engagements

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FDS FY 2020 Action Plan – FGDC Action

Part 3: **Operate the GeoPlatform to provide access to geospatial data and related metadata for all National Geospatial Data Assets** (NGDA), … and provide standards-compliant metadata and web services for all NGDA data assets, registered with data.gov and available as web services through the GeoPlatform.

Milestone: Publish a GeoPlatform providing standards-compliant web services for NGDAs

Measure: Completion

Part 4: **GDA Lead Covered Agencies for NGDA data assets will identify, inventory, and publish the status and standards being used for each of the NGDA data themes and content and services metadata**.

Milestone: Track NGDAs for implementation of standards

Measure: Percentages of NGDAs with: i) metadata standards, ii) established content standards, iii) standards in process, iv) data assets not requiring standards, v) to established standards

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FDS Actions and Pilot Proposals

OMB awarded FGDC an FDS Pilot

- High Value Geospatial Data Act Investment Areas to Advance the Nation's Spatial Data Infrastructure - Federal Government Survey
- Will include GeoPlatform usability questions
- $450,000 to be contracted in 2020 for a PoP of up to 1 year

Next Steps

1) Identify contract vehicle and work with GSA on funding transfer. (FGDC OS)

2) Identify SMEs to support contractors (e.g. FDS, FGDC, OSTP) (OMB)

3) Carve out options to utilize funding, Phase 1 and/or 2, support FDS/GDA/Geoplatform (FGDC OS)

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NGDA Changes Vote - Pending

- Changes to National Geospatial Data Asset data themes and datasets must be approved by the Steering Committee with OMB concurrence (executed by vote)

- The Data Theme Community provides recommendations for changes.

- Due to changes in the FGDC Governance structure, the pending list of recommended changes will be going directly to the Steering Committee for consideration and endorsement.

- New NGDA datasets must meet all the management, metadata, registry, services and reporting requirements of the GDA.

- Dataset removal requires Steering Committee endorsement to identify any datasets other agencies may utilize so that potential gaps can be identified.

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Next Meetings

Steering Committee (tentative)

June 11 (1:00 - 3:00)

Oct 8 (1:00 - 3:00?)

NGAC:

June 9-10: NGAC meeting @ DOI

Oct 6-7: NGAC meeting @ DOI

Actions/Asks

1. SAOGIs to identify GDA Roadmap and/or FDS actions they will lead and/or in which they will participate.

2. SAOGIs to identify other staff resources who can participate in these actions, especially ones with subject matter expertise.

3. SAOGIs should watch for the pending email on the NGDA dataset proposed changes vote and respond with their endorsement and comments.

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Meeting Wrap-up and Actions

Questions?