

FGDC Steering Committee Presentation

December 11, 2020



Agenda

- | | | |
|-------------|---|--|
| 2:00 | Welcome/Introductions | Tim Petty (DOI),
Parth Tikiwala (OMB) |
| 2:10 | National Geospatial Advisory
Committee Report | Sarah Battersby (NGAC Vice Chair) |
| 2:25 | GDA Report to Congress Update on
Phase 1 and Phase 2 Reports | Ivan DeLoatch (FGDC) |
| | GDA Reporting Timeline | Amy Nelson (DOT),
Tony LaVoi (NOAA) |
| 3:00 | CDOC Activities and Priorities | Ted Kaouk (USDA, CDOC Chair),
Dan Morgan (DOT, CDOC Vice Chair) |
| 3:25 | Federal Data Strategy FGDC Actions | Ken Shaffer (FGDC) |
| 3:40 | Geospatial Platform | Tod Dabolt (DOI) |
| 3:55 | Wrap-up | Tim Petty (DOI) |
| 4:00 | Adjourn | |

Welcome and Introductions

- Introductions
- Review of meeting objectives
- Approval of Meeting Minutes (October 2020)
Tim Petty (DOI)
- Update on A-16 Revision and Federal Data Strategy
Parth Tikiwala (OMB)

December 9-10, 2020 NGAC Meeting Summary

Sarah Battersby, NGAC Vice Chair
FGDC Steering Committee Meeting
December 11, 2020



NGAC Membership – December 2020

Mr. Mark Reichardt (Chair)
Open Geospatial Consortium

Dr. Sarah Battersby (Vice-Chair)
Tableau Research

Douglas Adams
Baltimore County, MD

Mr. Frank Avila
National Geospatial-Intelligence Agency

Mr. Chad Baker
California Department of Transportation

Mr. Byron Bluehorse
University of Alaska Fairbanks

Mr. Gar Clarke
State of New Mexico

Mr. Garet Couch
National Tribal GIS Center

Mr. Jack Dangermond
Esri

Dr. William Haneberg
Kentucky Geological Survey

Mr. Mike Hussey
State of Utah

Mr. Sanjay Kumar
World Geospatial Industry Council

Mr. Tony LaVoi
NOAA

Ms. Roberta Lenczowski
Roberta E. Lenczowski Consulting, LLC

Mr. Mark Meade
Quantum Spatial

Dr. Siva Ravada
Oracle Corporation

Ms. Felicia Retiz
Texas Water Development Authority

Dr. Vasit Sagan
St. Louis University

Ms. Amber Shultz
City of Lawrence, KS

Mr. Cy Smith
State of Oregon

Mr. Gary Thompson
State of North Carolina

Mr. Tim Trainor
Trainor Consultants

Dr. May Yuan
University of Texas – Dallas

Ivan DeLoatch (FGDC), Designated Federal Officer

December 2020 NGAC Meeting – Agenda

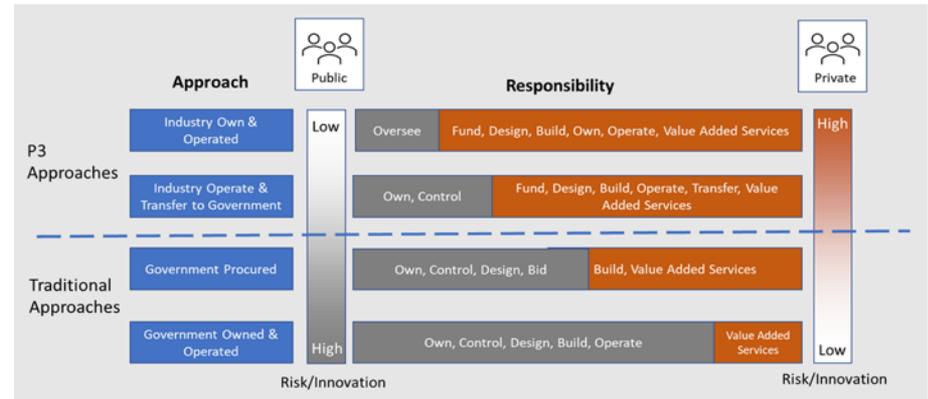
- Leadership Dialogue
- FGDC Report
- NGAC Subcommittee Reports
 - Landsat Advisory Group
 - Public-Private Partnerships
- GDA Reporting
- NSDI Strategic Planning
- Planning for 2021 NGAC Activities



Public-Private Partnerships Subcommittee

DECISION: The NGAC approved the paper, “Advancing the National Spatial Data Infrastructure Through Public-Private Partnerships and other Innovative Partnerships” including the following use cases:

- Alberta Data Partnerships (Alberta, Canada)
- National Geospatial-Intelligence Agency (NGA) Partnership Intermediary Agreement
- Geospatial Insurance Consortium
- India State Level Property Tax Program
- 3D Elevation Program (3DEP)
- GPS on Benchmarks Initiative (NOAA National Geodetic Survey)
- California Public Safety Power Shutoff (PSPS) Innovative Partnership
- States / TomTom Cooperative Geospatial Data Collection and Maintenance



Adapted from “Visualizing Trends in Transportation Infrastructure public-Private Partnerships”, <http://individual.utoronto.ca/siemiatycki/PPP%20Introduction.html>

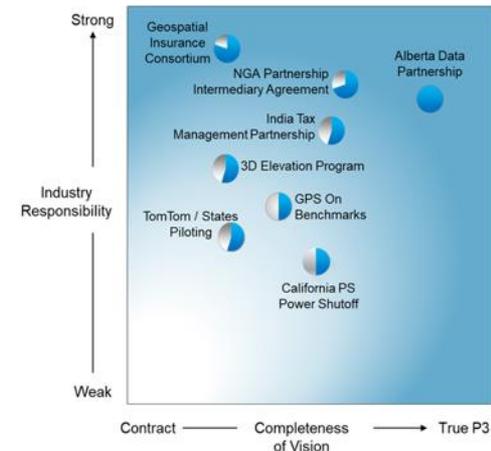


Figure 3: Case Study Maturity Assessment

Landsat Advisory Group (LAG)

ACTION: The LAG will continue working on the tasks outlined in the 2020 guidance provided by USGS:

- **Task 2:** Formulating a Big Data Science challenge for land imaging time-series data (Due date: Spring 2021)
- **Task 3:** Modernized interpretation of the Land Remote Sensing Policy Act of 1992 (Due date: Spring 2021)



LANDSAT DATA: COMMUNITY STANDARD FOR DATA CALIBRATION

A Report of the National Geospatial Advisory Committee
Landsat Advisory Group
FINAL DRAFT - October 2020

Geospatial Data Act Reporting

GDA Report to Congress

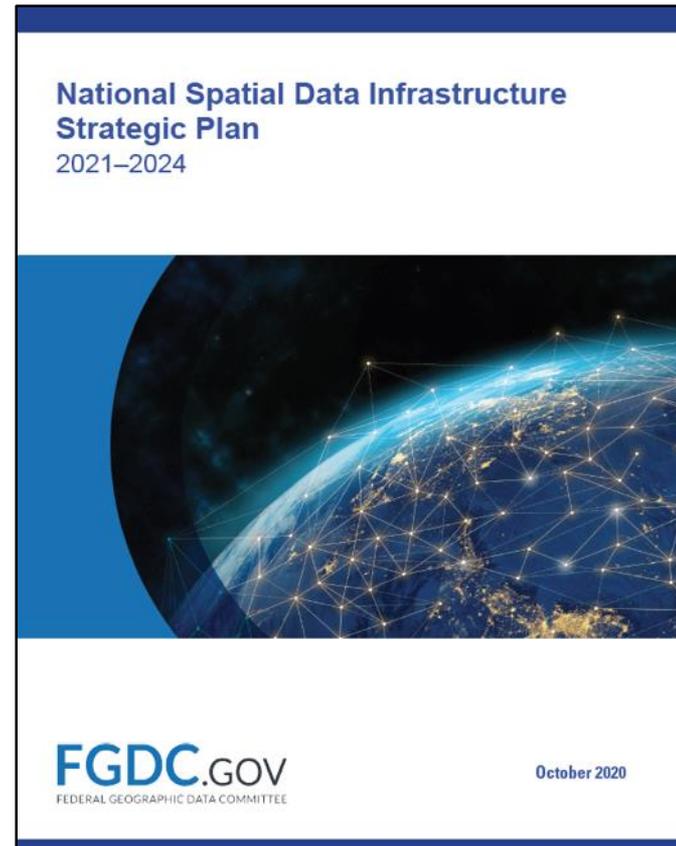
- **ACTION:** The NGAC GDA Reporting Team will coordinate with FGDC on establishing a process for providing NGAC comments on the Phase 2 GDA Report to Congress, which will include summaries of covered agency and lead covered agency annual reports.

GDA Reporting Process

- NGAC members provided positive feedback on work that has been done to develop the GDA reporting process.
- Will help establish a “system of record” enabling authoritative descriptions of the status and condition of geospatial data themes and datasets.

NSDI Strategic Planning

- NGAC has been closely engaged in development of the strategic plan.
- NGAC NSDI Subcommittee was instrumental in development of Vision, Mission, and Guiding Principles.
- **ACTION:** The NGAC NSDI Subcommittee will continue working with the FGDC NSDI Core Team on collaborative approaches to the implementation of the 2021-2024 NSDI Strategic Plan.



Discussion – Potential 2021 NGAC Study Topics

Current (4)	2021 New Starts (1-2?)	Potential Topics
<ul style="list-style-type: none">• Landsat Advisory Group• NSDI Strategic Plan• GDA Reporting Team• P3 Subcommittee	<ul style="list-style-type: none">• 1• 2	<ul style="list-style-type: none">• Future of GeoPlatform• Stakeholder Engagement• Power of Geospatial in Context• AI/ML• U.S. Geospatial Strategy on Global Front• Privacy & Protection of PII• 2022 Datum Modernization

Next Steps

NGAC Study Topics

- **ACTION:** NGAC and FGDC leadership will refine the 2021 NGAC study topics and ask NGAC members for choices on subcommittee assignments. Subcommittee assignments and leadership will ensure appropriate balance & representation on all groups.

NGAC Nominations

- **ACTION:** FGDC is planning to issue the next call for nominations for appointment to the NGAC in early January 2020. The announcement will be open for a period of 45 days. The nominations will be used to fill NGAC vacancies in 2021 and 2022.

Next Meetings

- 2021 meeting schedule being finalized.

Geospatial Data Act Update



Geospatial Data Act Update

Topics:

- GDA Report to Congress Update on Phase 1 and Phase 2 Reports
Ivan DeLoatch, FGDC OS
- GDA Reporting Timeline
Amy Nelson, DOT and Tony LaVoi, NOAA

Steering Committee Approval Votes Recent and Upcoming

	Activity	Voting Dates
FGDC Template for Covered Agency Geospatial Strategies	Approved	9/11/2020 – 9/25/2020
Common Template for Covered Agency Annual Reports	Approved	10/9/2020 – 10/21/2020
NSDI Strategic Plan	Approved	10/22/2020 – 11/5/2020
GDA Report to Congress Phase 1	Active Voting (Final Vote at SC Mtg)	12/8/2020 – 12/11/2020
Common Template for Lead Covered Agency Annual Report		TBD
Cadastre Theme NGDA Change		TBD

GDA Report to Congress Phase 1 Update

GDA Report to Congress Phase 1: High-Level Summary

Content:

- Includes: Executive Summary, Background, GDA Implementation Activities to Date, NGAC Inputs, Challenges/Recommendations

Status/Review Process

- Provided for FGDC/NGAC comment - ~400 comments received
- Draft has been revised, currently in DOI review process

Timeline

- Final version for DOI/OMB approval – December 2020

GDA Report to Congress Phase 1 - Vote

As requested in email, the SC is to vote on their approval of the GDA Report to Congress Phase 1 at today's meeting.

Are there any objections to submitting the Phase 1 document?

GDA Report to Congress Phase 2 Status

GDA Report to Congress Phase 2

- Will include:
 - Summary of the status of each NGDA data theme and an evaluation of its progress
 - Summary of achievements and a determination of progress of each covered agency in implementing their agency's strategy for advancing geospatial activities appropriate to their mission
 - Any comments from the covered agencies on the FGDC summary reports, NGAC comments on the FGDC summary reports, and any responses to those comments
- **Planned delivery date: Posted online and provided to Congress in April 2021 (June 2021 proposed new deadline)**

Covered Agency Geospatial Strategies

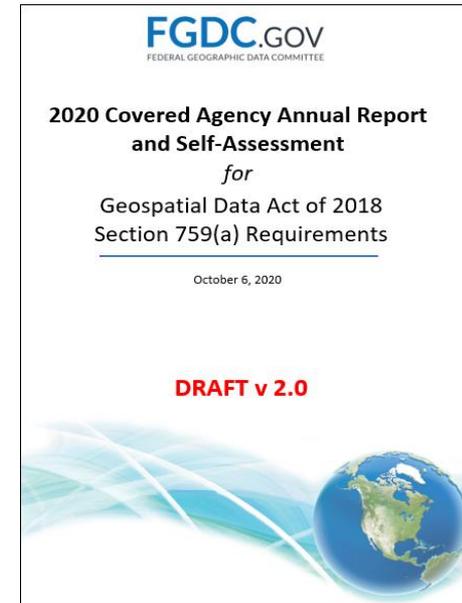
- Required under Sec. 759 of GDA. Covered agencies shall:
“prepare, maintain, publish, and implement a strategy for advancing geographic information and related geospatial data and activities appropriate to the mission of the covered agency, in support of the strategic plan for the NSDI...”
- FGDC NSDI Core Team developed high-level template for agency strategies. Final version approved November 2020.
- Agencies encouraged to use the template, but can modify as needed, or may combine with other required reports
- **Planned delivery date:** December 31, 2020 (February 26, 2021 proposed new delivery date).

Responsible

- Execution/Approval: SAOGI approves and final strategies published on agency websites.

Covered Agency Annual Report (Sec. 759)

- Covered agencies
 - Use GeoPlatform Survey123 will self-report achievements using an optional 2-page upload
 - Report output will be in Word and PDF for Agencies review
- FGDC OS
 - Generate Annual Summary Reports via Word for NGAC and agency comment
 - Incorporate into Biennial Report to Congress



Responsible

- Execution: SAOGI directs agency survey completion
- Approval: SAOGI approves report and submits to FGDC

Lead Covered Agency Annual Report (Sec. 756)

- Lead Covered agencies (and CA managing NGDA)
 - Use Word template to self-report progress
 - FGDC OS assist with draft reports for agencies' review
- FGDC OS
 - Generate summary report presented via Word for NGAC and agency comment
 - Incorporate into Biennial Report to Congress

FGDC.GOV
FEDERAL GEOGRAPHIC DATA COMMITTEE

Lead Covered Agency
NGDA Theme FY2020 Annual Performance Report
for
<insert Name> Theme

<insert Lead Agency Name>

Federal Geographic Data Committee (FGDC)
<insert Date>

Agency Report

Reports Sharing Data

I preserve geospatial data such that products can be readily shared with external users.

...ated to partners, which are covered
...d data to consider the questions in this
...ternet using standard protocols and
...ospatial data may be provided by
...ed to the public does not need to be

2.1 Does your agency ensure that all eligible geospatial data is managed so it can be shared and is provided in standard formats, as appropriate? (This will include agency open government and transparency guidelines.) Check all that apply:

Data is currently openly shared to the public

Data is currently shared on a limited basis with federal partners

Data is currently shared on a limited basis with non-federal users

No data is currently shared to other federal agencies or non-federal users. (Note: For some agencies this may be an appropriate response.)

Responsible

- Execution: Theme Leads/Co-Leads
 1. Complete template with input from non-LCA Dataset Managers,
 2. Facilitate through SAOGI(s) in other agencies
- Approval: SAOGI(s) will approve Final Report prior to submission to FGDC OS

NGDA Baseline Standards Inventory

- GDA reporting of geospatial standards – by dataset (756, 759)
 - Input for LCA Annual Report
- GeoPlatform Survey123 used for input
- Results presented via online dashboard
- Reporting result for FDS 2020 Action Plan milestones (due December 17, 2020)

Responsible

- Execution: NGDA Dataset Managers and Agency POCs complete survey
- Approval: Theme Leads, Dataset Managers and their SAOGs approve survey inputs via Dataset Dashboard – Dec 16

STATUS

- Responses were due October 9, 2020 – 78% completion to date
- Multiple dashboards for analysis under development

This chart is designed to meet the Federal Data Strategy Action Plan Action 10 Milestone: Track NGDAs for Implementation of Standards. Counts and percentages of those using i) metadata standards, ii) established content standards, and ... v) no established standards.

NGDA Baseline Standards Inventory Summary	Results for 135 of 173 NGDA	Metadata or Data Standards	Metadata Standards	Data Standards
Total NGDA 173	Number using standards	133	131	110
# of NGDA that completed inventory 135	Percent using standards	98.52%	97.04%	81.48%
% of NGDA that completed inventory 78.03%	Number with no standards reported	2	4	25
	Percent with no standards reported	1.48%	2.96%	18.52%

NGDA Baseline Standards Inventory – FDS Reporting Dashboard (sample view)

NGDA Baseline Standards Inventory Summary

This chart is designed to meet the Federal Data Strategy Action Plan Action 10 Milestone: Track NGDAs for Implementation of Standards. Counts and percentages of those using i) metadata standards, ii) established content standards, and ... v) no established standards.

Total NGDA

173

of NGDA that completed inventory

135

% of NGDA that completed inventory

78.03%

Results for
135 of 173 NGDA

Number using standards

Percent using standards

Number with no standards reported

Percent with no standards reported

Metadata or Data Standards

133

98.52%

2

1.48%

Metadata Standards

131

97.04%

4

2.96%

Data Standards

110

81.48%

25

18.52%

GDA Reporting Timeline



Amy Nelson, DOT
Tony LaVoi, NOAA

Impacts to GDA Reporting Requirements

The ability of agencies to meet current deadlines for the Geospatial Strategies, Covered Agency Reports, and Lead Covered Agency Reports has been impacted by:

- Delay in finalizing the Covered Agency Report template
- NSDI Strategic Plan not finalized until November 7th, impacting agency Geospatial Strategies
- Establishing a baseline (agencies need extra time to understand/interpret the new template) and the first CA reporting period of 2018-2020 instead of one year for future reports

Impacts to GDA Reporting Requirements (cont'd)

- Administration transition may delay approval of Strategic Plans and CA/LCA report responses
- Reduced staff in December due to more people in use-or-lose leave status

To provide the best-quality plans and reports, the GDA Working Group suggests these deadlines:

Activity	Current Agency Submission Date	Proposed Agency Submission Date
Agency Geospatial Strategies	31 Dec	26 February
Covered Agency Reports	29 January	18 January through 19 March
Lead Covered Agency Reports	3 February	8 February through 19 March
Report to Congress Phase 2	30 April	30 June

Covered Agency Report Timeline

FOR DISCUSSION: DRAFT TIMELINE - DECEMBER 8, 2020

Covered Agency Annual Report Timeline						NEW proposed timeline		
Deliverable	Activity	Actions	CURRENT timeline			Timeframe	Start Date (Monday)	Due Date (Friday)
			Timeframe	Start Date	Due Date			
Agency Geospatial Strategies	Develop Geospatial Strategies in support of NSDI Strategic Plan	Agencies draft strategies with the FGDC template as a resource. [Proposed timeline includes finalize, approve and publish.]			31-Dec			26-Feb
CA Template and Draft Agency Reports	Finalize Approval of CA Template	Approval by Steering Committee			6-Nov			6-Nov
	Develop Survey/Distribute to Agencies	Generate Survey 123 from Template; Establish Accounts for SAOGI and Agency POCs; Test Survey	4 Weeks	6-Nov	1-Dec	10 weeks	9-Nov	15-Jan
	Open Survey123 to Agencies	Agencies will generate reports by using Survey123 Template.	6 Weeks	1-Dec	12-Jan	5 weeks	18-Jan	19-Feb
	Draft CA Report Generated	FGDC OS generates final draft CA Report from survey output. Provide to agencies.	1 week	12-Jan	19-Jan	2 weeks	22-Feb	5-Mar
	Agencies approve Final CA Report	Agencies review draft CA Report and notify FGDC of final acceptance	9 work days	19-Jan	29-Jan	2 weeks	8-Mar	19-Mar
	FGDC OS Generates Summary Report	FGDC OS generates the CA Reports Summary Report	2 weeks	29-Jan	12-Feb	2 weeks	22-Mar	2-Apr
CA Summary Reports	NGAC / FGDC Review and Comment Process	FGDC OS: Distribute Summary Report to SC & NGAC. NGAC: Comments due from NGAC	3 weeks	12-Feb	1-Mar	3 weeks	5-Apr	23-Apr
		FGDC (if requested) and Agencies Respond to NGAC Comments	2 weeks	1-Mar	15-Mar	2 weeks	26-Apr	7-May
RTC Phase 2	Finalize RTC Phase 2	FGDC OS Incorporates Summary Reports and Comments into RTC Phase 2, FGDC OS finalizes RTC Phase 2 Draft	2.5 weeks	15-Mar	1-Apr	3 weeks	10-May	28-May
		Final approval of RTC by the Steering Committee	4 Weeks	1-Apr	30-Apr	2 weeks	31-May	11-Jun
		FGDC OS Finalizes RTC Phase 2				2.5 weeks	14-Jun	30-Jun

Lead Covered Agency Report Timeline

FOR DISCUSSION: DRAFT TIMELINE - DECEMBER 8, 2020

Lead Covered Agency Annual Report Timeline						CURRENT timeline		NEW proposed timeline	
Deliverable	Activity	Actions	Timeframe	Start Date	Due Date	Timeframe	Start Date (Monday)	Due Date (Friday)	
	NGDA Baseline Standard Inventory Completion			31-Aug	9-Oct				
LCA Template	Theme Lead Approval of Draft Template	LCA Report Template Review by Theme Leads	9 working days	20-Nov	3-Dec	4 weeks	23-Nov	18-Dec	
		FGDC OS Adjudicate Comments from Theme Lead	1 week	4-Dec	11-Dec	3 weeks	21-Dec	8-Jan	
	SC Approval of Draft Template	Approval of template by Steering Committee	8 working days	11-Dec	23-Dec	2 weeks	11-Jan	22-Jan	
Draft Agency Reports	Complete Draft LCA Report. Theme Leads Populate Template for 18 Theme Reports. Agencies Approve.	Portfolio Team Populates Template	2 Weeks	23-Dec	6-Jan	2 weeks	25-Jan	5-Feb	
		Theme Leads Populate LCA Report. Obtain Agency review. Submit to FGDC OS	4 Weeks	6-Jan	3-Feb	6 weeks	8-Feb	19-Mar	
LCA Summary Reports	FGDC OS Generates Summary Report	FGDC OS generates a summary report of LCA Draft Reports	1.5 weeks	3-Feb	12-Feb	2 weeks	22-Mar	2-Apr	
	NGAC / FGDC Review and Comment Process	FGDC OS: Distribute Summary Report to SC & NGAC. NGAC: Comments due from NGAC	2 weeks	12-Feb	1-Mar	3 weeks	5-Apr	23-Apr	
		FGDC (if requested) and Agencies Respond to NGAC Comments	2 weeks	1-Mar	15-Mar	2 weeks	26-Apr	7-May	
RTC Phase 2	Finalize RTC Phase 2	FGDC OS Incorporates Summary Reports and Comments into RTC Phase 2, FGDC OS finalizes RTC Phase 2 Draft	2.5 weeks	15-Mar	1-Apr	3 weeks	10-May	28-May	
		Final approval by the Steering Committee				2 weeks	31-May	11-Jun	
		FGDC OS Finalizes RTC Phase 2	4 weeks	1-Apr	30-Apr	2.5 weeks	14-Jun	30-Jun	

CDOC Activities and Priorities



Ted Kaouk, USDA CDO, CDOC Chair

Dan Morgan, DOT CDO, CDOC Vice Chair



CDO Council Overview

December 7, 2020





Overview



Authorization

- Established by the Foundations for Evidence-Based Policymaking Act of 2018



Vision

- To lead transformational change that improves the nation's ability to leverage data as a strategic asset



Membership

- All agency-level CDOs are members (including CFO Act and small agencies)



Council Structure

Executive Committee

1. Provide strategic guidance and oversee all activities of the Council, including identifying potential priorities, developing meeting agendas, and promoting collaboration.
2. Provide recommendations to the CDO Council on matters to be considered including the creation or completion of working groups, the approval of reports or other documents for publication.
3. Approve the Ex Officio membership, based on the advice of the appropriate interagency council.

CDO Council Members

1. Attend the regularly scheduled meetings
2. Raise initiatives and issues that might have an impact on the overall Federal CDO community.
3. Review, consider, and provide input and recommendations on CDOC initiatives and be an active participant in the discussions.
4. Cast votes regarding issues presented to the council.
5. Participate in Council priority initiatives, working groups, or projects.
6. Provide input and participate in the development of CDO Council reports.
7. Foster collaboration and shared solutions with Federal, state, local, and international stakeholders.
8. Contribute best practices they are implementing for use by other Agency CDOs.

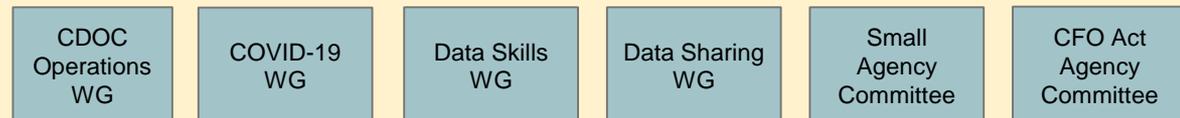
Executive Committee



CDO Council



Working Groups, Standing Committees, Communities of Practice





Purpose

- Establish government-wide best practices for the use, protection, dissemination, and generation of data
- Promote and encourage data sharing agreements between agencies
- Identify ways in which agencies can improve upon the production of evidence for use in policymaking;
- Consult with the public and engage with private users of Government data and other stakeholders on how to improve access to data assets of the Federal Government.



Council Goals

- Meet statutory requirements, including the required report to Congress
- Be a community of learning by broadly identifying best practices and resources to facilitate the implementation of Evidence Act
- Provide leadership on the delivery of the Federal Data Strategy (FDS) Action Plan



Focus Areas

-  COVID-19 Data
-  Federal Data Strategy
-  Data Skills in the Workforce
-  Data Sharing & Dashboards
-  Data Inventories and Metadata
-  Stakeholder engagement



FY 2021 Activities & Initiatives

01	Regular meetings to enhance use of strategic data	<ul style="list-style-type: none">● CDO Council● Executive Committee● Working groups● Discussion groups
02	Stakeholder engagement	<ul style="list-style-type: none">● Internal● External
03	Strategic linkages	<ul style="list-style-type: none">● Interagency councils (EOC, CIOC, Privacy, Statistical, FOIA Officers Council, FGDC)● Public-private partnerships
04	Member developed projects	<ul style="list-style-type: none">● Data Skills Workforce Development● Governmentwide Dashboards and Infrastructure● Public Comment Analysis Tool● Interagency Wildland Fire Fuels Data Management
05	Federal Data Strategy	<ul style="list-style-type: none">● Provide input in the development of FY21 Action Plans● Provide leadership and support to CDOs as they implement the FDS Action Plans



Contact us: cdocstaff@gsa.gov

Federal Data Strategy FGDC Actions

Ken Shaffer

FGDC

*Deputy Executive
Director*



FDS 2020 Action Plan – FGDC Action

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.

Submission of the closeout statements and measures are projected to be sent to OMB by 12/17/20.

Working with OMB on the CDOC measure and the Managing Partner on Geoplatform related measures.

FDS 2020 Action Plan – FGDC Action

Milestone 10.1: **Establish the NSDI Strategic Plan**

Measure: Completion

Closeout Response:

This milestone has been completed. The Federal Geographic Data Committee released the [National Spatial Data Infrastructure \(NSDI\) Strategic Plan for 2021-2024](#) in November of 2020, fulfilling this requirement of the Geospatial Data Act. The plan was endorsed by the National Geospatial Advisory Committee and implementation planning will begin in CY 2021.

FDS 2020 Action Plan – FGDC Action

Milestone 10.2: Publish a Geoplatform providing standards-compliant web services for NGDAs.

Measure: Completion

Closeout Response:

This milestone has been completed. The Federal Geographic Data Committee (FGDC) agencies fund operations, through the Department of Interior as the Managing Partner, of the Geoplatform.gov shared service that provides standards compliant web services for agency delivery of National Geospatial Data Assets (NGDA) data. As of December 2020, the Geoplatform supports standards compliant web services delivery via **<number>** different web service standards.

FDS 2020 Action Plan – FGDC Action

Milestone 10.3: **Engage with other relevant councils**

Measure: Number of engagements

Closeout Response:

This milestone has been completed. Members from the Federal Geographic Data Committee (FGDC) have participated in **<number>** of meetings of the Chief Data Officers Council (CDOC) since its first meeting in January 2020 and will continue participating in FY 2021. The FGDC also selected Mr. Tony LaVoi, the Department of Commerce’s FGDC member and NOAA’s Acting Chief Data Officer, as its Ex Officio CDOC liaison, formalizing the inter-committee representation.

FDS 2020 Action Plan – FGDC Action

Milestone 10.4: Publish NGDA data theme data assets with standards compliant metadata and webservice endpoints

Measure: Percentage of NDA data assets that are compliant

Closeout Response:

This action has been completed. Federal agencies managing National Geospatial Data Assets (NGDA) datasets, working in conjunction with Geoplatform.gov and data.gov, continue to develop metadata and webservice endpoints and the supporting federal service delivery business procedures to streamline the publication of geospatial data asset services. As of December 2020, of 173 NGDA datasets, **<number>** were providing a metadata service endpoint, and **<number>** were providing a data service endpoint through Geoplatform.gov.

FDS 2020 Action Plan – FGDC Action

Milestone 10.5: Track NGDAs for implementation of standards

Measures: : Percentages of NGDAs with: i) metadata standards, ii) established content standards, iii) standards in process, iv) data assets not requiring standards, v) no established standards

Closeout Response:

This action has been completed. The FGDC agencies that manage NGDA datasets performed a geospatial standards baseline assessment. The baseline assessment will be part of the FGDC's future discussions on the management and reporting of geospatial standards and an input into the agencies' and FGDC's reporting under the Geospatial Data Act. As of December, <date>, 2020, with 78 percent of the NGDAs reporting, i) 99 % use metadata standards, ii) 81% use established data content standards, and v) only 2% use neither metadata nor content standards. The baseline focused on standards in use so measures iii) and iv) were not collected.

FDS 2021 FDS – FGDC Actions Proposed to OMB

SC Member ACTIONS: 1) Respond to the survey when it goes out in 2021.

1) **FGDC FDS Pilot** execution Task Order awarded in September 2020.

- Geospatial Data Act high-value federal investments and incentives assessment – survey of Federal agencies
- Where will potential investments/partnerships/innovation provide key improvements/advancements/high-value services for the NSDI
- Includes elements from the GDA, NSDI, GeoPlatform, Covid-19

Measurement: Completion

2) **Continue FGDC to CDO interaction**

Measurement: Number of engagements

GeoPlatform.gov Update to FGDC

December 2020

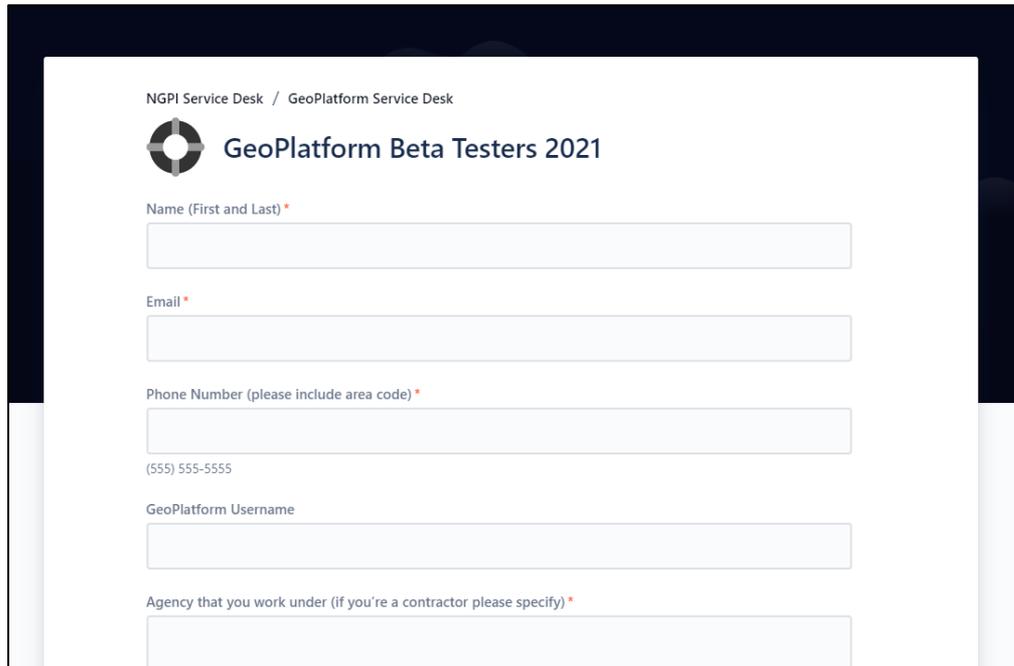


The Geoplatform Holiday Release is almost here!



Geoplatform 3.0 Beta Testing

- We invite FGDC SC members and their delegates to participate in an open beta-test for Geoplatform.
- Your feedback is critical to successful launch, and will help drive development efforts in FY21
- Sign Up Here: <https://geoplatform.atlassian.net/servicedesk/customer/portal/3/create/57>



NGPI Service Desk / GeoPlatform Service Desk

 GeoPlatform Beta Testers 2021

Name (First and Last) *

Email *

Phone Number (please include area code) *

(555) 555-5555

GeoPlatform Username

Agency that you work under (if you're a contractor please specify) *

User Interface Analysis

User interface improvements driven by UI/UX specialists, not developers 😊

The screenshot shows the 'National Bridge Inventory - National Geospatial Data Asset (NGDA) Bridges' dataset page. The page includes a search bar, a 'Data Exploring Area' with a map, and a list of recent updates. Annotations are provided in colored callouts:

- remove download all** (green)
- Put the search result row content here - use same style and content** (yellow)
- https://xd.adobe.com/view/f1baaa9e-10aa-41cb-8976-bd3a09d45dea-a4e9/7/fullscreen** (yellow)
- description have "show more..."** (yellow)
- Show as 3 tabs** (yellow)
- Services** (yellow)
- Download** (yellow)
- API?** (yellow)
- Other?** (yellow)
- need a matrix of file types to buttons** (green)
- https://xd.adobe.com/view/656ateb5-27c9-422a-b63c-a1ab3788038-3039/** (green)
- add "Add to workbench"** (green)
- "dataset detail" desktop tabs** (yellow)
- wiki/accordion for mobile** (yellow)
- "about this resource"** (green)
- Need this first row of white buttons all together?** (green)
- whole new page of this space** (red)
- have mobile in mind** (red)
- "about this dataset" maps to the upper right short metadata in geonetwork** (yellow)
- any data previews would open another tab... in future this is the gateway to our workbench concept** (yellow)
- have demo of tabs** (red)

Geoplatform Search

Nothing in basket

Filter

Expand Collapse

TYPE OF RESOURCES

- Dataset (74)
- Series (2)
- Map (1)
- Static map (1)
- Service-ArcGIS Map Service (1)

all (6)

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- Viewable (10)

TOPICS

- Boundaries (35)
- Elevation (6)
- Inland waters (5)
- Location (4)
- Oceans (4)

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KEYWORDS

- National Geospatial Data Asset (87)
- NGDA (84)
- United States (49)
- Boundaries (38)
- Governmental Units and Admini... (31)

all (15)

CONTACT FOR THE RESOURCE

- Bureau of Ocean Energy Manag... (12)
- U.S. Geological Survey, National ... (5)
- Office of the Assistant Secretary f... (5)
- U.S. Geological Survey (5)
- Bureau of Safety and Environmen... (4)

all (25)

PROVIDED BY

- My GeoNetwork catalogue (87)

YEARS

- 2012 (1)

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- 3DEP Elevation Index Map Server... (4)

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Sorted by relevancy

Sorted by relevancy

Categories ... ☆☆☆☆☆

TIGER/Line Shapefile, 2019, Series Information for the State Legislative...



The TIGER/Line shapefiles and related database files (.dbf) are an extract of selected geographic and cartographic information from the U.S. Census Bureau's Master Address File / Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) Database (MTDB). The MTDB represents a seamless

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Categories ... ☆☆☆☆☆

TIGER/Line Shapefile, 2010, Series Information File for the 2010 Census Block...



The TIGER/Line Files are shapefiles and related database files (.dbf) that are an extract of selected geographic and cartographic information from the U.S. Census Bureau's Master Address File / Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) Database (MTDB). The purpose

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Categories ... ☆☆☆☆☆

TIGER/Line Shapefile, 2019, nation, U.S., Current Tribal Census Tract National



The TIGER/Line shapefiles and related database files (.dbf) are an extract of selected geographic and cartographic information from the U.S. Census Bureau's Master Address File / Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) Database (MTDB). The MTDB represents a seamless

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Categories ... ☆☆☆☆☆

TIGER/Line Shapefile, 2011, Series Information File for the 2010 Census Traffic...



The TIGER/Line Files are shapefiles and related database files (.dbf) that are an extract of selected geographic and cartographic information from the U.S. Census Bureau's Master Address File / Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) Database (MTDB). The MTDB

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Categories ... ☆☆☆☆☆

National Geospatial Data Asset (NGDA) Continuously Operating Reference Stations...



The National Geodetic Survey (NGS), an office of NOAA's National Ocean Service, manages a network of Continuously Operating Reference Stations (CORS) that provide Global Navigation Satellite System (GNSS) data consisting of carrier phase and code range measurements in support of three dimensional positioning,

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Categories ... ☆☆☆☆☆

TIGER/Line Shapefile, 2019, 2010 nation, U.S., 2010 Census 5-Digit ZIP Code...



The TIGER/Line shapefiles and related database files (.dbf) are an extract of selected geographic and cartographic information from the U.S. Census Bureau's Master Address File / Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) Database (MTDB). The MTDB represents a seamless

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Geoplatform Data Catalog

Geoplatform Data Catalog modernized with off-the-shelf Geonetwork Open Source.

The screenshot shows a web browser window displaying the Geoplatform Data Catalog. The address bar shows the URL: `sit-geonetwork.geoplatform.info/geonetwork/srv/eng/catalog.search#/metadata/gov.noaa.ncdc:C00682`. The page title is "GeoPlatform Catalog" with a search bar. Navigation buttons include "Back to home", "Previous", and "Next". There are also "Download" and "Display mode" buttons. The main content area features a heading "NOAA NEXt-Generation RADar (NEXRAD) Products" with a hamburger menu icon. Below the heading is a detailed paragraph describing the NEXRAD system, its components, and its capabilities. To the right of the text is an "Overview" section containing a "NEXRAD reflectivity image" which is a radar map showing reflectivity levels over a geographic area. Below the image are buttons for "See all feedback", "Add your review", "Spatial extent", and "Temporal extent".

NOAA NEXt-Generation RADar (NEXRAD) Products

This dataset consists of Level III weather radar products collected from Next-Generation Radar (NEXRAD) stations located in the contiguous United States, Alaska, Hawaii, U.S. territories and at military base sites. NEXRAD is a network of 160 high-resolution Doppler weather radars operated by the NOAA National Weather Service (NWS), the Federal Aviation Administration (FAA), and the U.S. Air Force (USAF). Doppler radars detect atmospheric precipitation and winds, which allow scientists to track and anticipate weather events, such as rain, ice pellets, snow, hail, and tornadoes, as well as some non-weather objects like birds and insects. NEXRAD stations use the Weather Surveillance Radar - 1988, Doppler (WSR-88D) system. This is a 10 cm wavelength (S-Band) radar that operates at a frequency between 2,700 and 3,000 MHz. The radar system operates in two basic modes: a slow-scanning Clear Air Mode (Mode B) for analyzing air movements when there is little or no precipitation activity in the area, and a Precipitation Mode (Mode A) with a faster scan for tracking active weather. The two modes employ nine Volume Coverage Patterns (VCPs) to adequately sample the atmosphere based on weather conditions. A VCP is a series of 360 degree sweeps of the antenna at pre-determined elevation angles and pulse repetition frequencies completed in a specified period of time. The radar scan times 4.5, 5, 6 or 10 minutes depending on the selected VCP. During 2008, the WSR-88D radars were upgraded to produce increased spatial resolution data, called Super Resolution. The earlier Legacy Resolution data provides radar reflectivity at 1.0 degree azimuthal by 1 km range gate resolution to a range of 460 km, and Doppler velocity and spectrum width at 1.0 degree azimuthal by 250 m range gate resolution to a range of 230 km. The upgraded Super Resolution data provides radar reflectivity at 0.5 degree azimuthal by 250 m range gate resolution to a range of 460 km, and Doppler velocity and spectrum width at 0.5 degree azimuthal by 250 m range gate resolution to a range of 300 km. Super resolution makes a compromise of slightly decreased noise reduction for a large gain in resolution. In 2010, the deployment of the Dual Polarization (Dual Pol) capability to NEXRAD sites began with the first operational Dual Pol radar in May 2011. Dual Pol radar capability adds vertical polarization to the previous horizontal radar waves, in order to more accurately discern the return signal. This allows the radar to better distinguish between types of precipitation (e.g., rain, hail and snow), improves rainfall estimates, improves data retrieval in mountainous terrain, and aids in removal of non-weather artifacts. The NEXRAD products are divided in two data processing levels. The lower Level II data are base products at original resolution. Level II data are

Overview

NEXRAD reflectivity image

No ratings ★

See all feedback Add your review

Spatial extent

Spatial extent

Temporal extent

Geoplatform Data Catalog

- Improved support for discovering and accessing NGDA

The screenshot shows a web browser window displaying the Geoplatform Catalog. The address bar shows the URL: `sit-geonetwork.geoplatform.info/geonetwork/srv/eng/catalog.search#/metadata/tl_2019_us_necta.shp.iso.xml/formatters/xsl-view?root=div&view=advanced`. The page title is "GeoPlatform Catalog" and the search bar contains "Search".

The main content area displays the search result for "TIGER/Line Shapefile, 2019, nation, U.S., Current New England City and Town Area (NECTA) National". The description states: "The TIGER/Line shapefiles and related database files (.dbf) are an extract of selected geographic and cartographic information from the U.S. Census Bureau's Master Address File / Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) Database (MTDB). The MTDB represents a seamless national file with no overlaps or gaps between parts, however, each TIGER/Line shapefile is designed to stand alone as an independent data set, or they can be combined to cover the entire nation..".

Below the description, there is a section for "Shapefile Zip File" with a link to `https://www2.census.gov/geo/tiger/TIGER2019/NECTA/tl_2019_us_necta.zip` and an "Open link" button.

On the right side, there are sections for "Overviews" (with a map of New England), "Spatial extent", "Thumbnail", "Keywords", and "NGDA Portfolio Themes" (including "Governmental Units and Administrative and Statistical Boundaries Theme" and "National Geospatial Data Asset").

Geoplatform Data Catalog

My GeoNetwork catalogue Search Map Sign in English

Back to search Previous Next

National Hydrography Dataset (NHD) - USGS National Map Downloadable Data Collection

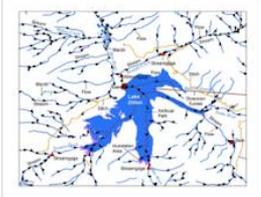
The USGS National Hydrography Dataset (NHD) Downloadable Data Collection from The National Map (TNM) is a comprehensive set of digital spatial data that encodes information about naturally occurring and constructed bodies of surface water (lakes, ponds, and reservoirs), paths through which water flows (canals, ditches, streams, and rivers), and related entities such as point features (springs, wells, stream gages, and dams). The information encoded about these features includes classification and other characteristics, delineation, geographic name, position and related measures, a "reach code" through which other information can be related to the NHD, and the direction of water flow. The network of reach codes delineating water and transported material flow allows users to trace movement in upstream and downstream directions. In addition to this geographic information, the dataset contains metadata that supports the exchange of future updates and improvements to the data. The NHD supports many applications, such as making maps, geocoding observations, flow modeling, data maintenance, and stewardship. For additional information on NHD, go to <https://www.usgs.gov/core-science-systems/ngp/national-hydrography>.

Completed

Download and links

WAF Web Accessible Folder Web Accessible Folder https://thor-15.er.usgs.gov/ngtoc/metadata/waf/hydrography/nhd/	Open link
Cloud Cloud Storage Cloud Storage https://prd-1nm.s3.amazonaws.com/index.html?prefix=StagedProducts/Hydrography/NHD/	Open link
National Hydrography Base Map Service - Tile Cache (ArcGIS REST) A cached base map overlay of a cartographic representation of the National Hydrography Dataset (NHD) (Esri REST). A cached base map overlay of a cartographic representation of the National Hydrography Dataset (NHD) (Esri REST). https://basemap.nationalmap.gov/arcgis/rest/services/USGSHydroCached/MapServer	Open link
National Hydrography Base Map Service - Tile Cache (WMST) A cached base map overlay of a cartographic representation of the National Hydrography Dataset (NHD) (WMST). A cached base map overlay of a cartographic representation of the National Hydrography Dataset (NHD) (WMST). https://basemap.nationalmap.gov/arcgis/rest/services/USGSHydroCached/MapServer/WMST/1.0.0/WMSTCapabilities.xml	Open link
National Hydrography Overlay Map Service (ArcGIS REST) An overlay map service for visualizing the National Hydrography Dataset (NHD) (ArcGIS REST). An overlay map service for visualizing the National Hydrography Dataset (NHD) (ArcGIS REST). https://hydro.nationalmap.gov/arcgis/rest/services/nhd/MapServer	Open link
National Hydrography Overlay Map Service (OGC WMS) An overlay map service for visualizing the National Hydrography Dataset (NHD) (OGC WMS). An overlay map service for visualizing the National Hydrography Dataset (NHD) (OGC WMS). https://hydro.nationalmap.gov/arcgis/services/nhd/MapServer/WMServer?request=GetCapabilities&service=WMS	Open link

Overview



Thumbnail JPG image

No ratings

See all feedback Add your review

Spatial extent

Spatial extent

Temporal extent

Publication date

2019-01-01

Period

Sun Dec 31 2000 17:00:00 GMT-0700 Mon Nov 02 2020 16:59:00 GMT-0700

Provided by



Updated:

2 days ago

Share on social sites

Twitter Facebook LinkedIn Email Print

- Complex data sets and collections are better handled including better support for direct data download and web service integration

Data.gov Integration

- Completely redeveloped Data.gov harvesting
- Reliable access to all geospatial metadata via Geoplatform.
- All records and logs are managed making review, auditing and reporting simple

NGDA Reporting

- Geoplatform now reports anytime there is a discrepancy between data.gov and geoplatform

DataGov Geoplatform Metadata Report Generated: 2020-10-06

This report searches Geoplatform for all NGDA datasets with a link to a source ISO metadata record in Data.gov. If last Geoplatform import of the source metadata is older than Data.gov's, the age in days is reported. A negative number is reported if the import into Geoplatform is more recent than Data.gov's. If any value couldn't be determined, the cell is empty. The email contains a table of the records that are out of date and scheduled to be updated. The full audit report is attached in CSV format.

Out of date Geoplatform Metadata Records:

NGDA ID	Title	Registry Date	Data.gov Date	Days Old	Data.gov URL	Registry URL	Schema
ngda:184	1 meter Digital Elevation Models (DEMs) - USGS National Map 3DEP Downloadable Data Collection	2019-04-22	2020-09-30	527	https://catalog.data.gov/dataset/usgs-national-elevation-dataset-1-meter-downloadable-data-collection-from-the-national-map	https://www.geoplatform.gov/resources/datasets/862ab37b7a23674e2edd357e96f251df	iso19139
ngda:141	Airports (National) - National Geospatial Data Asset (NGDA) Airports	2019-03-29	2020-06-09	438	https://catalog.data.gov/dataset/airports-national-national-geospatial-data-asset-ngda-airports	https://www.geoplatform.gov/resources/datasets/2df886acfd15f0d30852af3cae9a85b	iso19139
ngda:010	BLM National Public Land Survey System Polygons - National Geospatial Data Asset (NGDA)	2019-04-01	2020-10-05	553	https://catalog.data.gov/dataset/blm-national-public-land-survey-system-polygons-national-geospatial-data-asset-ngda	https://www.geoplatform.gov/resources/datasets/eb3558db88c54b19280d50d0dfc8a36d	iso19139
ngda:188	BLM National Surface Management Agency Area Polygons - National Geospatial Data Asset (NGDA)	2019-04-22	2020-10-05	532	https://catalog.data.gov/dataset/blm-national-surface-management-agency-area-polygons-national-geospatial-data-asset-ngda	https://www.geoplatform.gov/resources/datasets/3fd2ce44aec61ef381cdc875c974146c	iso19139
ngda:108	Coastal Change Analysis Program (C-CAP) Regional Land Cover Data and Change Data	2019-03-29	2019-11-27	243	https://catalog.data.gov/dataset/coastal-change-analysis-program-c-cap-regional-land-cover-data-and-change-data6d800	https://www.geoplatform.gov/resources/datasets/98aebf5b3bd6dd03c7de9755c27b86cb	iso19139
ngda:173	Continental Shelf Boundary - Gulf of Mexico Region NAD27	2019-04-19	2020-10-05	535	https://catalog.data.gov/dataset/continental-shelf-boundary-gulf-of-mexico-region-nad27	https://www.geoplatform.gov/resources/datasets/7c4633863c3d64a5daefc8615c88101c	iso19139
ngda:051	Federal Outer Continental Shelf (OCS) Sand and Gravel Borrow Areas (Lease Areas)	2020-03-18	2020-10-05	201	https://catalog.data.gov/dataset/federal-outer-continental-shelf-ocs-sand-and-gravel-borrow-areas-lease-areas	https://www.geoplatform.gov/resources/datasets/59f400bc2ce04272b259ad27d40585d5	csdgm
ngda:034	Geographic Names Information System (GNIS) - USGS National Map Downloadable Data Collection	2019-04-01	2020-09-23	541	https://catalog.data.gov/dataset/geographic-names-information-system-gnis-national-geospatial-data-asset-ngda-geographic-names	https://www.geoplatform.gov/resources/datasets/30f2d6ba45eb9c4c4d188524dd0894a7	iso19139

FY21 Goal 1

Improving operations

- Continuous Improvement of Operations
- Assure affordable storage solution
- Transform “help” to knowledge base
- Implement New “recipes” section for technical community

FY21 Goal 2

Improve User Engagement

- Establish Outreach Plan
- Re-engineer Usage Analytics
- Create Role-based manager dashboard
- Create User Notification Subscription Solution
- Implement Emergency Response section

FY21 Goal 3

Increase Data Content and Integration

- Beyond NGDAs - New Harvest Sources and Integrations
- Proof of Concept for harvesting Large Collections
- Proof of Concept for how we bring in emergency collections
- Integrate UAS/Drone data collection tools
- How do we tie in AWS Earth and MS AI for Earth
- Establish desktop applications streaming workbench

Standards Discussion

Should GP implement non-FGDC endorsed metadata standard solutions?

- Multiple Agencies produce POD 1.1 metadata
 - Complies with Federal Data Catalog
 - Easier for users to create with ESRI AGOL and HUB
 - Not an endorsed FGDC Standard
 - Format lacks fields for machine interoperability
 - Requires Data.gov and GeoPlatform team to invest in work- arounds.

- How can we give the user community what they want AND maintain standards compliance?

Thank You!



Meeting Wrap-up and Actions

Questions?