## Agenda

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00</td>
<td>Welcome/Introductions</td>
<td>Tim Petty (DOI), Parth Tikiwala (OMB)</td>
</tr>
<tr>
<td>2:10</td>
<td>National Geospatial Advisory Committee Report</td>
<td>Sarah Battersby (NGAC Vice Chair)</td>
</tr>
<tr>
<td>2:25</td>
<td>GDA Report to Congress Update on Phase 1 and Phase 2 Reports</td>
<td>Ivan DeLoatch (FGDC)</td>
</tr>
<tr>
<td></td>
<td>GDA Reporting Timeline</td>
<td>Amy Nelson (DOT), Tony LaVoi (NOAA)</td>
</tr>
<tr>
<td>3:00</td>
<td>CDOC Activities and Priorities</td>
<td>Ted Kaouk (USDA, CDOC Chair), Dan Morgan (DOT, CDOC Vice Chair)</td>
</tr>
<tr>
<td>3:25</td>
<td>Federal Data Strategy FGDC Actions</td>
<td>Ken Shaffer (FGDC)</td>
</tr>
<tr>
<td>3:40</td>
<td>Geospatial Platform</td>
<td>Tod Dabolt (DOI)</td>
</tr>
<tr>
<td>3:55</td>
<td>Wrap-up</td>
<td>Tim Petty (DOI)</td>
</tr>
<tr>
<td>4:00</td>
<td>Adjourn</td>
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</tr>
</tbody>
</table>
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
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)
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.
<table>
<thead>
<tr>
<th>Current (4)</th>
<th>2021 New Starts (1-2?)</th>
<th>Potential Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Landsat Advisory Group</td>
<td>• 1</td>
<td>• Future of GeoPlatform</td>
</tr>
<tr>
<td>NSDI Strategic Plan</td>
<td>• 2</td>
<td>• Stakeholder Engagement</td>
</tr>
<tr>
<td>GDA Reporting Team</td>
<td></td>
<td>• Power of Geospatial in Context</td>
</tr>
<tr>
<td>P3 Subcommittee</td>
<td></td>
<td>• AI/ML</td>
</tr>
</tbody>
</table>

### Potential Topics
- 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

<table>
<thead>
<tr>
<th>Activity</th>
<th>Activity Details</th>
<th>Voting Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Template for Covered Agency Annual Reports</td>
<td>Approved</td>
<td>10/9/2020 – 10/21/2020</td>
</tr>
<tr>
<td>NSDI Strategic Plan</td>
<td>Approved</td>
<td>10/22/2020 – 11/5/2020</td>
</tr>
<tr>
<td>GDA Report to Congress Phase 1</td>
<td>Active Voting (Final Vote at SC Mtg)</td>
<td>12/8/2020 – 12/11/2020</td>
</tr>
<tr>
<td>Common Template for Lead Covered Agency Annual Report</td>
<td>TBD</td>
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</tr>
<tr>
<td>Cadastre Theme NGDA Change</td>
<td>TBD</td>
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</tbody>
</table>
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
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

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 SAOGIs 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.

<table>
<thead>
<tr>
<th>NGDA Baseline Standards Inventory Summary</th>
<th>Results for 135 of 173 NGDA</th>
<th>Metadata or Data Standards</th>
<th>Metadata Standards</th>
<th>Data Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total NGDA</td>
<td>173</td>
<td>133</td>
<td>131</td>
<td>110</td>
</tr>
<tr>
<td># of NGDA that completed inventory</td>
<td>135</td>
<td>98.52%</td>
<td>97.04%</td>
<td>81.48%</td>
</tr>
<tr>
<td>% of NGDA that completed inventory</td>
<td>78.03%</td>
<td>1.48%</td>
<td>2.96%</td>
<td>18.52%</td>
</tr>
<tr>
<td>Number using standards</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Percent using standards</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number with no standards reported</td>
<td>2</td>
<td></td>
<td>4</td>
<td>25</td>
</tr>
<tr>
<td>Percent with no standards reported</td>
<td>1.48%</td>
<td></td>
<td>2.96%</td>
<td>18.52%</td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Current Agency Submission Date</th>
<th>Proposed Agency Submission Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agency Geospatial Strategies</td>
<td>31 Dec</td>
<td>26 February</td>
</tr>
<tr>
<td>Covered Agency Reports</td>
<td>29 January</td>
<td>18 January through 19 March</td>
</tr>
<tr>
<td>Lead Covered Agency Reports</td>
<td>3 February</td>
<td>8 February through 19 March</td>
</tr>
<tr>
<td>Report to Congress Phase 2</td>
<td>30 April</td>
<td>30 June</td>
</tr>
</tbody>
</table>
# Covered Agency Report Timeline

**FOR DISCUSSION: DRAFT TIMELINE - DECEMBER 8, 2020**

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

**FOR DISCUSSION: DRAFT TIMELINE - DECEMBER 8, 2020**

<table>
<thead>
<tr>
<th>Deliverable</th>
<th>Activity</th>
<th>Actions</th>
<th>CURRENT timeline</th>
<th>NEW proposed timeline</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Timeframe</td>
<td>Start Date</td>
<td>Due Date</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>LCA Template</td>
<td>NGDA Baseline Standard Inventory Completion</td>
<td></td>
<td>31-Aug</td>
<td>9-Oct</td>
</tr>
<tr>
<td></td>
<td>Theme Lead Approval of Draft Template</td>
<td>LCA Report Template Review by Theme Leads</td>
<td>9 working days</td>
<td>20-Nov</td>
</tr>
<tr>
<td></td>
<td></td>
<td>FGDC OS Adjudicate Comments from Theme Lead</td>
<td>1 week</td>
<td>4-Dec</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Approval of template by Steering Committee</td>
<td>8 working days</td>
<td>11-Dec</td>
</tr>
<tr>
<td>Draft Agency Reports</td>
<td>Complete Draft LCA Report. Theme Leads Populate Template for 18 Theme Reports. Agencies Approve.</td>
<td>Portfolio Team Populates Template</td>
<td>2 Weeks</td>
<td>23-Dec</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Theme Leads Populate LCA Report. Obtain Agency review. Submit to FGDC OS</td>
<td>4 Weeks</td>
<td>6-Jan</td>
</tr>
<tr>
<td></td>
<td>FGDC OS Generates Summary Report</td>
<td>FGDC OS generates a summary report of LCA Draft Reports</td>
<td>1.5 weeks</td>
<td>3-Feb</td>
</tr>
<tr>
<td>LCA Summary Reports</td>
<td>NGAC / FGDC Review and Comment Process</td>
<td>FGDC OS: Distribute Summary Report to SC &amp; NGAC. NGAC: Comments due from NGAC</td>
<td>2 weeks</td>
<td>12-Feb</td>
</tr>
<tr>
<td></td>
<td></td>
<td>FGDC (if requested) and Agencies Respond to NGAC Comments</td>
<td>2 weeks</td>
<td>1-Mar</td>
</tr>
<tr>
<td>RTC Phase 2</td>
<td>Finalize RTC Phase 2</td>
<td>FGDC OS Incorporates Summary Reports and Comments into RTC Phase 2, FGDC OS finalizes RTC Phase 2 Draft</td>
<td>2.5 weeks</td>
<td>15-Mar</td>
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<tr>
<td></td>
<td></td>
<td>Final approval by the Steering Committee</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>FGDC OS Finalizes RTC Phase 2</td>
<td>4 weeks</td>
<td>1-Apr</td>
</tr>
</tbody>
</table>
CDOC Activities and Priorities

Ted Kaouk, USDA CDO, CDOC Chair
Dan Morgan, DOT CDO, CDOC Vice Chair
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.

### Working Groups, Standing Committees, Communities of Practice
- CDOC Operations WG
- COVID-19 WG
- Data Skills WG
- Data Sharing WG
- Small Agency Committee
- CFO Act Agency Committee
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
<table>
<thead>
<tr>
<th></th>
<th>FY 2021 Activities &amp; Initiatives</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>01</strong></td>
<td>Regular meetings to enhance use of strategic data</td>
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<td></td>
<td>● CDO Council</td>
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<td>● Executive Committee</td>
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<td>● Working groups</td>
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<td>● Discussion groups</td>
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<tr>
<td><strong>02</strong></td>
<td>Stakeholder engagement</td>
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<tr>
<td></td>
<td>● Internal</td>
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<td></td>
<td>● External</td>
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<tr>
<td><strong>03</strong></td>
<td>Strategic linkages</td>
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<td></td>
<td>● Interagency councils (EOC, CIOC, Privacy, Statistical, FOIA Officers Council, FGDC)</td>
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<td>● Public-private partnerships</td>
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<tr>
<td><strong>04</strong></td>
<td>Member developed projects</td>
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<tr>
<td></td>
<td>● Data Skills Workforce Development</td>
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<td></td>
<td>● Governmentwide Dashboards and Infrastructure</td>
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<td>● Public Comment Analysis Tool</td>
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<td>● Interagency Wildland Fire Fuels Data Management</td>
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<tr>
<td><strong>05</strong></td>
<td>Federal Data Strategy</td>
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<tr>
<td></td>
<td>● Provide input in the development of FY21 Action Plans</td>
</tr>
<tr>
<td></td>
<td>● Provide leadership and support to CDOs as they implement the FDS Action Plans</td>
</tr>
</tbody>
</table>
Contact us: cdocstaff@gsa.gov
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.

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.
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](https://www.fgdc.gov) 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.
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.
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.
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.
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

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

SC Member ACTIONS: 1) Respond to the survey when it goes out in 2021.
GeoPlatform.gov Update to FGDC
December 2020
The Geoplatform Holiday Release is almost here!
Geoplatforom 3.0 Beta Testing

- We invite FGDC SC members and their delegates to participate in an open beta-test for Geoplaform.
- Your feedback is critical to successful launch, and will help drive development efforts in FY21
- Sign Up Here: [https://geoplatforom.atlassian.net/servicedesk/customer/portal/3/create/57](https://geoplatforom.atlassian.net/servicedesk/customer/portal/3/create/57)
User Interface Analysis

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

- Show as 3 tabs: Services, Download, API?
- need a matrix of file types to buttons
- add "Add to workbench"
- "dataset detail" desktop tabs wiki/accordion for mobile
- "about this resource"
Geoplatform Data Catalog

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

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...
Geoplatform Data Catalog

- Improved support for discovering and accessing NGDA

TIGER/Line Shapefile, 2019, nation, U.S., Current New England City and Town Area (NECTA) 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 (MADFTIGER) 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.

In New England (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont), the Office of Management and Budget (OMB) has defined an alternative county subdivision (generally cities and towns) based definition of Core Based Statistical Areas (CBSAs) known as New England City and Town Areas (NECTAs). NECTAs are defined using the same criteria as Metropolitan Statistical Areas and Micropolitan Statistical Areas and are identified as either metropolitan or micropolitan, based, respectively, on the presence of either an urban area of 50,000 or more population or an urban cluster of at least 10,000 and less than 50,000 population. A NECTA containing a single core urban area with a population of at least 2.6 million may be subdivided to form smaller groupings of cities and towns referred to as NECTA Divisions.

Boundaries are those defined by OMB based on the 2010 Census, published in 2013, and updated in 2015.

Shapefile Zip File
https://www2.census.gov/geo/tiger/TIGER2019/NECTA/tl_2019_us_necta.zip
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:

<table>
<thead>
<tr>
<th>NGDA ID</th>
<th>Title</th>
<th>Registry Date</th>
<th>Data.gov Date</th>
<th>Days Old</th>
<th>Data.gov URL</th>
<th>Registry URL</th>
<th>Schema</th>
</tr>
</thead>
</table>
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?