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

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

The general organization of the information is:
CG Agenda Items - Items on the Coordination Group (CG) agenda with references to any read-ahead materials
FGDC Committee Meeting Summaries
FGDC Business Update - Current FGDC initiatives/activities
CG Agenda Items

- FGDC Business Highlights
  - Contact: Ken Shaffer, FGDC OS
  - Read ahead: FGDC Business Highlights

- Spatial Water Data Subcommittee Report
  - Contact: Al Rea, USGS
  - Read ahead: pending

- NSDI Strategic Framework
  - Contact: John Mahoney, FGDC OS
  - Read Ahead: Strategic Planning Update

- Other Agency Announcements
Committee’s Decisions Summary

- The FGDC approved the NGDA Address Theme in August 2016. The theme lead Agencies are the Department of Transportation and the Department of Commerce, U.S. Census Bureau.
  - A large component of the Address Theme will be a National Address Database. In September 2016, the Department of Transportation completed a National Address Database pilot project that included identifying a minimum data content guideline and examining approaches to assist counties that haven't previously had electronic address data.
Committee’s Decision Summary

- On September 21st, the Steering Committee approved the Architecture and Technology Working Group, and the Standards Working Group charters.
CG and SC Monthly Membership Changes

- No changes this month
Steering Committee

- The FGDC Steering Committee met on September 29th at the South Interior Auditorium, Washington DC. Agenda Topics
  - FGDC Business Activities
  - NSDI Strategic Plan Framework Dialog
  - National Address Database (NAD)
  - NGAC Meeting Summary
  - NGDA Water - Oceans and Coasts Theme Report
  - Geospatial Platform Update
  - USDA Data Management Policy Approach
  - Doug D. Nebert NSDI Champion of the Year Award
Executive Committee

- The Executive Committee met on October 27 at the Main Interior Building. Discussion summary:
  - 2016 FGDC Annual Report
  - Transition Strategy
  - NSDI Strategic Framework Outline
  - FGDC Interim Leadership

- The ExCom is reviewing FGDC’s document for the new Administration transition team. Comments are due back Friday December 9th.
December 14 NGAC Webinar Meeting

- Wednesday, Dec 14, 12:30 – 4:00 pm EST
- Registration required – contact Lucia Foulkes to register
- Agenda Topics:
  - FGDC Updates
  - NSDI Strategic Framework
  - NGAC Transition Documents & Strategy
  - Subcommittee Reports (Policy Framework, Emerging Technologies, Standards Coordination, Landsat Advisory Group)
  - Public Comment Period
Administration Transition Documents

- The FGDC and NGAC developed documents that have complimentary content to help inform the incoming Administration about the breadth and importance of the use of geospatial information and tools to the federal government and the nation.

- The documents are intended to provide succinct and impactful information.

- FGDC Transition Paper
  - Provides a summary of the impact of geospatial on the economy, concept of the NSDI and FGDC leadership role, calls for expansion of the National Geospatial Platform, and recommends key actions and priorities.

- NGAC Transition Paper
  - Describes how geospatial technology and data help the nation, makes recommendations on what the Federal Government can do, states how these efforts can help the new Administration achieve its goals, recognizes broad non-Federal support and engagement.

- NGAC Transition InfoGraphic
  - NGAC’s urging the new Administration to commit to a strategic investment in geospatial programs, states how geospatial technology benefits the nation, provides economic impact statistics, lists 4 “Big Ideas”
  - The FGDC and NGAC transition documents are posted to the FGDC website for access and use. [www.fgdc.gov/ngac/2017transition](http://www.fgdc.gov/ngac/2017transition)
National Geospatial Advisory Committee (NGAC)

NGAC Transition Documents:

- Two NGAC Transition reports:
  - 2-page white paper
  - Infographic

- Key themes:
  - Support the development of critical national datasets
  - Update the national geospatial policy framework
  - Champion the expansion of the National Geospatial Platform
  - Develop new geospatial partnerships to address national priorities
  - Support the coordination and leadership of national geospatial activities
NGAC Policy Framework Subcommittee

- **Membership:** Tony Spicci (chair), Molly Vogt (vice-chair), David Alexander, Bert Granberg, Kevin Pomfret, Laxmi Ramasubramanian, Amber Reynolds, David Wyatt

- **Task:** Provide perspectives and advice on how OMB Circular A-16 and the FGDC policy framework might be updated to reflect changes in technology, organizational capabilities, partnerships, and the evolution of the geospatial community.

- **Status:**
  - Subcommittee compiled comments & feedback on current version of Circular A-16.
  - Draft paper discussed at Sept. NGAC meeting
  - Final draft paper to be considered at December NGAC webinar
NGAC Emerging Technologies Subcommittee

- **Membership:** Doug Richardson (chair), Sarah Battersby (vice-chair), Pat Cummens, Matt Gentile, Jack Hild, Jeff Lovin, Rebecca Moore, Carl Reed, Gary Thompson, Jason Warzinik, May Yuan

- **Task:** Provide perspectives and advice on how new technologies will impact the geospatial community or change the way we do business. Describe how these new technologies and changes might be reflected in the NSDI strategic plan framework.

- **Status:**
  - Emerging Technologies spotlight sessions at June & Sept NGAC meetings
  - Draft paper discussed at Sept. NGAC meeting
  - Final draft paper to be considered at December NGAC webinar
NGAC Standards Coordination Subcommittee

- **Membership**: Carl Reed (chair), Gen. William Reddel (vice-chair), Talbot Brooks, Xavier Irias, Harvey Thorleifson, Frank Harjo

- **Task**: Provide advice on greater adoption and utilization of standards resulting in enhanced interoperability of geospatial data, services, and systems. Provide recommendations on collaboration with voluntary standards organizations to enhance the implementation and uptake of endorsed standards.

- **Status**:
  - Subcommittee has developed initial outline and case study example
  - Initial draft paper discussed at Sept NGAC meeting
  - Revised draft paper to be reviewed at December NGAC meeting. Final paper to be considered at March 2017 NGAC meeting.
NGAC Landsat Advisory Group

- **Membership**: Joanne Gabrynowicz (chair), Frank Avila (vice-chair), Roger Mitchell, Rebecca Moore, (additional non-NGAC members)

- **Task**: LAG is reviewing two topics, in consultation with the USGS program office:
  - Task 1: Revisit Smallsat Investigation. Focus on smallsats and look at requirements for future Landsat missions.
  - Task #2: Temporal Data Cube Study. Analyze feasibility to implement temporal cubes and products to support projection or forecast models of land change trends.

- **Status**:
  - LAG has held initial meetings & developed work group assignments
  - LAG to provide status report at December NGAC meeting
  - LAG responses to be developed by March/June 2017
NGAC Contributions to NSDI Framework

- **NSDI Work Group** → Overall Scope
- **NGDA Work Group** → Goal 2, Objective 2.1
- **Policy Framework Subcommittee** → Goal 3, Objectives 3.1, 3.2, 3.3
- **Emerging Tech Subcommittee** → Part I, Emerging Trends; Part III, Emerging Topics
- **Standards Coordination Subcommittee** → Goal 2, Objective 2.2
NGAC Next Steps

- December 14 Webinar Meeting
- 2017 NGAC Appointments
  - New NGAC appointments to be finalized in early January 2017
- 2017 NGAC Meeting Dates:
  - March 21-22 (DOI)
  - June 13-14 (DOI)
  - September 6-7 (NCTC)
Coordination Group Meeting Dates

2017 FGDC CG Meeting Calendar

- January 10, 2017 - DOI Rachel Carson Room
- February 14, 2017 - DOI Rachel Carson Room
- March 14, 2017 - DOI Rachel Carson Room
- April 11, 2017 - DOI Rachel Carson Room
- May 9, 2017 - DOI Rachel Carson Room
- June 6, 2017 - DOI Rachel Carson Room
- July 11, 2017 - DOI Rachel Carson Room
- August 29, 2017 - DOI Kiowa Room
- September - No CG meeting
- October 3, 2017 - DOI Rachel Carson Room
- November 14, 2017 DOI Rachel Carson Room
- December 12, 2017 DOI Rachel Carson Room
FGDC Business Update

2014 GAO Engagement
NGDA Management Plan Activities
Geospatial Platform Workshop
2016 FGDC Annual Report
FGDC Standards Update
2014 GAO Engagement – Actions Status

- 2015 GAO report FGDC actions (3 remaining)
  - Create address data theme and associated subcommittees and working groups to further a national address database
    Status: A first meeting of the FGDC Address Subcommittee is scheduled for December 14, 2016.

- GAO developing their annual status update on all actions determined to deal with duplication and potential cost savings. FGDC OS coordinated responses to questions:
  - USGS: Status of Water – Inland NGDA strategic and implementation plan actions
  - DOT/DOC: Status of actions supporting the new Address NGDA Theme
  - OMB/FGDC OS: Information on how the NGDA Theme implementation plans support investment reporting, and how to locate “planned” investment records from agencies on the GeoPlatform Marketplace
National Geospatial Data Asset (NGDA) Portfolio Management

Jen Carlino

FGDC OS

December 13, 2016
NGDA Portfolio Management - Current Activities

- NGDA MP Evaluation Report Project
  [https://cms.geoplatform.gov/ncc/filedepot_download/5891/65](https://cms.geoplatform.gov/ncc/filedepot_download/5891/65)
- 2015 Lifecycle Maturity Assessment Analysis Report
  - In final adjudication
- Web Services and Metadata Project
  - 83 web services identified, many more in progress
- Theme Implementation Plans
  - Discussed progress and status at 12/6 Theme Lead Meeting
  - Framework Themes due by 12/31/16 and all Themes are required to report at 3/31/17 (due 4/28/17)

<table>
<thead>
<tr>
<th>Theme Name</th>
<th>Theme Name</th>
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</thead>
<tbody>
<tr>
<td>Biodiversity and Ecosystems Theme</td>
<td>Imagery Theme*</td>
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<tr>
<td>Cadastre Theme*</td>
<td>Land Use Land Cover Theme</td>
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<tr>
<td>Climate and Weather Theme</td>
<td>Real Property Theme</td>
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<tr>
<td>Cultural Resources Theme</td>
<td>Soils Theme</td>
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<tr>
<td>Elevation Theme*</td>
<td>Transportation Theme*</td>
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<tr>
<td>Geodetic Control Theme*</td>
<td>Utilities Theme</td>
</tr>
<tr>
<td>Geology Theme</td>
<td>Water Inland Theme*</td>
</tr>
<tr>
<td>Governmental Units Theme*</td>
<td>Water Oceans and Coasts Theme*</td>
</tr>
</tbody>
</table>

* Indicates A-16 Framework Theme
NGDA Portfolio Management - Current Activities

- 2017 Lifecycle Maturity Assessment
  - Core team members identified
  - Schedule December kick off and working meeting to meet tight time frame
  - Anticipate release in May 2017 for Dataset Managers to complete before end of fiscal year

<table>
<thead>
<tr>
<th>Name</th>
<th>Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kyle Arndt</td>
<td>NPS</td>
</tr>
<tr>
<td>Anne Ball</td>
<td>NOAA</td>
</tr>
<tr>
<td>Wendy Blake-Coleman</td>
<td>EPA</td>
</tr>
<tr>
<td>David Cackowski</td>
<td>Census Bureau</td>
</tr>
<tr>
<td>Chad Hancher</td>
<td>Dept. of Labor</td>
</tr>
<tr>
<td>Roger Johnson</td>
<td>NPS</td>
</tr>
<tr>
<td>Lisa McBride</td>
<td>Forest Service</td>
</tr>
<tr>
<td>Ted Payne</td>
<td>Agriculture</td>
</tr>
<tr>
<td>Lorri Peltz-Lewis</td>
<td>Forest Service</td>
</tr>
<tr>
<td>Charles Spicer</td>
<td>Census Bureau</td>
</tr>
<tr>
<td>Doug Vandegraft</td>
<td>BOEM</td>
</tr>
</tbody>
</table>
## NGDA Inventory Updates

### Dataset Manager Changes

<table>
<thead>
<tr>
<th>NGDA Dataset</th>
<th>New Dataset Manager</th>
<th>Previous Dataset Manager</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airports</td>
<td>Jose Alfonso, FAA</td>
<td>Terry Rhea, FAA</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:Jose.A.Alfonso@faa.gov">Jose.A.Alfonso@faa.gov</a></td>
<td><a href="mailto:Terry.L.Rhea@faa.gov">Terry.L.Rhea@faa.gov</a></td>
</tr>
<tr>
<td>Runways</td>
<td>Jose Alfonso, FAA</td>
<td>Terry Rhea, FAA</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:Jose.A.Alfonso@faa.gov">Jose.A.Alfonso@faa.gov</a></td>
<td><a href="mailto:Terry.L.Rhea@faa.gov">Terry.L.Rhea@faa.gov</a></td>
</tr>
<tr>
<td>Geodetic Control Information on Passive Marks</td>
<td>Godfred Amponsah, NOAA</td>
<td>Krishna Tadepalli, NOAA</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:godfred.amponsah@noaa.gov">godfred.amponsah@noaa.gov</a></td>
<td><a href="mailto:krishna.tadepalli@noaa.gov">krishna.tadepalli@noaa.gov</a></td>
</tr>
</tbody>
</table>
Geospatial Platform Workshop 12/7-8/16

- **Participation:** 80 in-person, more than 125 online
- **Purpose:** Provide information about current and future capabilities

<table>
<thead>
<tr>
<th>Cloud services</th>
<th>Map viewer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marketplace</td>
<td>Collaboration communities</td>
</tr>
<tr>
<td>Data search</td>
<td>Services checker/performance dashboard</td>
</tr>
<tr>
<td>Workflow manager</td>
<td>Services Performance dashboard</td>
</tr>
<tr>
<td>Map Manager</td>
<td>NGDA data maturity dashboard</td>
</tr>
</tbody>
</table>

- **Highlighted agencies’ collaboration and integration**
- **Immediate interest in new communities and collaborating with GeoPlatform on data and activities**
- **Next Steps:** present on current and emerging GeoPlatform capabilities at CG meetings in 2017
The Technical Team promoted the R6 release of GeoPlatform.gov to the Production environment in the DOI Cloud. New services and enhancements included the following:

- **(NEW!) Dataset Search**
  - Replaces the legacy Drupal CKAN Search Module
  - Faster performance, better reliability, and fixes multiple search restrictions and bugs when searching Data.gov Catalog

- **Performance Dashboard**
  - **(NEW!)** Service Dashboard for enhanced reporting and monitoring of web services
  - Updated UI for LMA Dashboard
  - Integrated with new RegP technology and new FGDC Service Status Checker

- **(NEW!) CMS Core Bundle**
  - Re-usable WordPress-based CMS with templates and tools for building new GeoPlatform Community sites and hosting other customized content and capabilities.
GeoPlatform.gov Release 6 (cont’d)

- (NEW!) Geospatial Interoperability Reference Architecture (GIRA) subsite
  - Built and deployed using the "CMS Core Bundle"

- GeoPlatform Landing Page
  - Updated UI, "Featured" cards, and FAQ content

- Map Viewer
  - Improved Search; now returns partials; updated NGDA layers

- Marketplace
  - Updated UI for adding projects and data layers

- Map Manager
  - Users can no longer create a gallery with the same name as an existing gallery.
GeoPlatform.gov Release 6 (cont’d)

- New YouTube tutorials, awaiting final approval and configuration in the FGDC YouTube channel before making this public and accessible from the GeoPlatform. Stay tuned for these!

- The GeoPlatform registry for new/renamed NGDA Datasets and the associated NGDA Service resources were updated last week. These should now be in the FGDC Service Status Checker and being reported in the Service Dashboard.
FGDC 2016 Annual Report

- Draft in final editing and layout phase
- Digital (.pdf) version anticipated by mid-December
- Printed copies in January
ISO Metadata Summit

- Goal: To engage the NSDI metadata community to identify recommendations for enabling interoperable ISO metadata that supports data and services
- May 24, 2017
- U.S. Geologic Survey, Reston, VA
- Audience: federal and non-federal metadata practitioners
- Hands-on GeoPlatform metadata tool session
- Presentations, breakout sessions, and discussion to identify actions needed for agencies and community members to meet the goal
Geospatial standards

As presented to the FGDC Coordination Group on December 13, 2016

Julie Binder Maitra
FGDC Standards Coordinator
FGDC OS
Topics

- FGDC Steering Committee endorsement of INCITS/ISO standards
- Metadata and related standards
- Standards tracking workbook
- Standards-related events
- Questions and contact information
SC endorsement of ISO related standards


• Voting results: 17 Yes, 0 No; 8 No response
## Metadata and related standards

<table>
<thead>
<tr>
<th>Standard</th>
<th>Information about standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO 19111 Spatial referencing by coordinates</td>
<td>This standard describes metadata for a coordinate reference system. Under revision.</td>
</tr>
<tr>
<td>ISO 19112, Spatial referencing by geographic identifiers</td>
<td>This standard describes metadata for reference systems that use identifiers other than coordinates, for example, gazetteer, postal code, etc. Under revision.</td>
</tr>
<tr>
<td>ISO 19115, Metadata -- Part 1: Fundamentals: Amendment 1</td>
<td>This standard adds a party identifier to contact information and a way to specify the level and extent of the spatial representation type, which is useful especially when multiple types are used. In progress.</td>
</tr>
<tr>
<td>ISO 19115-2 Extensions for imagery and gridded data</td>
<td>This standard specifies additional metadata elements and schema for imagery and gridded geospatial datasets. In revision.</td>
</tr>
<tr>
<td>ISO 19115-3 XML schema implementation of metadata fundamentals</td>
<td>ISO 19115-3:2016 was published on August 12. Pending adoption as an American National Standard.</td>
</tr>
</tbody>
</table>
# Metadata and related standards

<table>
<thead>
<tr>
<th>Standard</th>
<th>Information about standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extensions for imagery and gridded data</td>
<td></td>
</tr>
<tr>
<td>ISO 19157:2013/CD Amd 1, Geographic information - Data quality –</td>
<td>This standard adds a method for describing data quality of geographic information that uses a coverage geospatial type. In progress.</td>
</tr>
<tr>
<td>Amendment 1: Describing data quality using coverages</td>
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</table>
### Metadata and related standards

<table>
<thead>
<tr>
<th>Standard</th>
<th>Information about standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO 19165 Preservation of digital data and metadata</td>
<td>ISO 19165 defines a preservation metadata extension of ISO 19115-1. It defines requirements for long-term preservation of digital geospatial data. Requirements include metadata, provenance, context and other items necessary to fully understand and reuse the archived data. A geospatial archival information package shall be fully self-describing and allow future reconstruction of the dataset without external documentation. In progress.</td>
</tr>
<tr>
<td>A new project might be an extension to ISO 19165 for Remote Sensing Data and Derived Digital Products.</td>
<td></td>
</tr>
</tbody>
</table>
Standards tracking workbook

Open RFC on the standards tracking workbook from people who work with standards.

Questions:

- Has your agency downloaded it?
- How has your agency used it?
- Do you have suggestions for improving its use/effectiveness?
<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Date(s)</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>2016</td>
<td>November</td>
<td>11/28-12/02</td>
<td>GSDI 15th World Conference</td>
<td>Taipei, Taiwan</td>
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<td>11/28-12/02</td>
<td>ISO TC 211 Plenary and meetings</td>
<td>Redlands, California</td>
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<tr>
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<td>December</td>
<td>12/04-12/08</td>
<td>OGC</td>
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<td>12/12-12/16</td>
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<td></td>
<td>12/13</td>
<td>CG</td>
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<tr>
<td>2017</td>
<td>March</td>
<td>03/20-03/24</td>
<td>OGC</td>
<td>Delft, The Netherlands</td>
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<tr>
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<td>May</td>
<td>05/29-06/02</td>
<td>ISO TC 211 Plenary and meetings</td>
<td>Stockholm, Sweden</td>
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<td>June</td>
<td>06/26-06/30</td>
<td>OGC</td>
<td>St. John's, Newfoundland, Canada</td>
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<td></td>
<td>July</td>
<td>07/02-07/07</td>
<td>International Cartographic Conference (ICC 2017)</td>
<td>Washington, DC</td>
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<td></td>
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<td>07/23-07/28</td>
<td>IEEE International Geoscience and Remote Sensing Symposium (IGARSS)</td>
<td>Fort Worth, TX</td>
</tr>
</tbody>
</table>
Questions and contact information

Julie Binder Maitra  
FGDC Standards Coordinator  
Phone: 703-648-4627  
Email: jmaitra@usgs.gov  
Web: www.fgdc.gov/standards

LinkedIn Profile: https://www.linkedin.com/in/juliebindermaitra  
FGDC Standards WG:  
https://www.linkedin.com/groups/8243676
Questions???