Coordination Group Meeting
FGDC Business Highlights*

Ken Shaffer

Deputy Executive Director

Federal Geographic Data Committee

July 12, 2016

*From the detailed monthly business report

Committee's Decisions Summary

❖ As a result of recent meetings of the Executive Committee and the Steering Committee, the following actions are to be executed by NGDA Theme Leads and FGDC members:

- Completion of NGDA Theme Strategic Plans, due June 30th

- Development of Theme Implementation Plans, due December of 2016

- Encourage reading of the NGAC paper "NGDA Paper - Comments on NGDA Portfolio Management" (http://www.fgdc.gov/ngac/meetings/june-2016/ngac-paper-comments-on-ngda-portfolio-management.pdf)

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Committee's Decisions Summary

❖ On June 16th, the Steering Committee approved the proposal to change the name of the Biota Theme to Biodiversity and Ecosystems. OMB Concurred.

  - The new name better reflects the content of the theme and aligns more closely with common terminology used by professionals and subject matter experts using the data.

  - OMB Circular A–16 Supplemental Guidance Appendix E has been updated (http://www.fgdc.gov/policyandplanning/a-16/index_html

Committee's Decisions Summary

❖ On July 8th the Coordination Group voted to recommend the Creation of a National Address Data Theme – VOTE IS BEING EXTENDED

❖ The next step will be the Steering Committee's approval.

Steering Committee

❖ The Steering Committee met on June 16th at the Department of Transportation. Key outcomes:

- Jennifer Gimbel's last meeting as FGDC Chair
- Camille Touton will chair future meetings

❖ Topics Discussed:

- FGDC Current Activities
- National Address Database
- NGAC Meeting Summary
- Geodetic Control Theme Report
- Geospatial Platform
- Open Water Data Initiative, and 3D Elevation Program Update

❖ Next Steering Committee Meeting will be on September 29th, at the South Interior Auditorium, Washington DC.

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National Geospatial Advisory Committee (NGAC)

June 2016 Agenda Topics:

❖ Leadership Dialogue

❖ FGDC Update

❖ National Parcel Data – NGAC Discussion

❖ Emerging Technologies Spotlight Session

❖ Review of NGDA Work Group paper

❖ Review of NSDI Work Group paper

❖ 3DEP/Open Water Data Initiative Update

❖ NGAC Subcommittee Break-out Sessions

❖ NSDI Framework/Transition Plan Dialogue

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Leadership Dialogue

Welcoming remarks and dialogue with US-DOT CIO Richard McKinney
- ❖ Discussion of National Address Database and DOT geospatial activities

Leadership update and dialogue with FGDC Chair Jennifer Gimbel
- ❖ Discussion of FGDC priorities, NGAC activities, NSDI strategic plan, and Transition planning

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National Parcel Data

NGAC review and discussion of key questions:

- o Should we have a national parcel dataset?
- o What is the appropriate role of the federal government?
- o What is the best approach to achieving a national parcel dataset?
- o How can we incentivize parcel data sharing?

Multiple viewpoints, reflecting complexity of issue. No clear consensus on approach.

Results of NGAC discussion to be presented at June 17 National Parcel Data Summit meeting

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NGAC 2016 Subcommittees

NSDI Strategic Plan Work Group

❖<u>Membership</u>: Matt Gentile (lead), Jack Hild, Xavier Irias, Laxmi Ramasubramanian, Molly Vogt

❖<u>Task</u>: Assess the effectiveness and impact of the current NSDI strategic plan. Review and provide feedback on the Vision and Desired Future State described in the strategic plan

NGDA Evaluation Work Group

❖<u>Membership</u>: Bert Granberg (lead), Amber Reynolds, Tony Spicci, Harvey Thorleifson, Jason Warzinik

❖<u>Task</u>: Provide high-level feedback on the FGDC's National Geospatial Data Asset/portfolio management process. Provide input on potential strategic actions based on the results of the NGDA Management Plan evaluation.

NGDA Evaluation Paper

Action: NGAC approved paper: "*NGAC Comments on National Geospatial Data Asset (NGDA) Portfolio Management Process*"

Excerpt: "NGAC commends the Federal geospatial NGDA community for its approach and efforts to assess the progress and performance of the NGDA data resources through the inaugural Lifecycle Maturity Assessments and related performance dashboard. The NGDA assessment is an important component of FGDC's charge to manage the federal portfolio of geospatial data."

NGAC also identified several suggestions to improve and enhance the NGDA process.

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NGAC 2016 Subcommittees

Policy Framework Subcommittee

❖<u>Membership</u>: Tony Spicci (chair), Molly Vogt (vice-chair), David Alexander, Bert Granberg, Kevin Pomfret, Laxmi Ramasubramanian, Amber Reynolds, David Wyatt

❖<u>Task</u>: 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.

Emerging Technologies Subcommittee

❖<u>Membership</u>: 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

❖<u>Task</u>: 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.

Emerging Technologies Panel

Purpose: Brief presentations from Federal technology leaders on key emerging technologies and dialogue to explore and identify policy and application implications and impacts on the geospatial community

1. Mobile Technologies

Maria Roat
Chief Technology Officer,
US Department of Transportation

2. Smallsats

Christopher Simi
Senior Scientist for Remote Sensing, US National Geospatial-Intelligence Agency

3. Broadband / Internet of Things

Christopher Algiere
Federal Consultation Lead,
First Responder Network Authority (FirstNet)

4. Cloud & "Fog" Computing Services

Rich Frazier
Senior Technology Advisor,
Federal Geographic Data Committee

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NGAC 2016 Subcommittees

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.

Landsat Advisory Group

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

❖Task: The specific 2016 Landsat-related issues for consideration by the NGAC will be jointly discussed and refined by the USGS program office and the LAG.

3DEP/OWDI Update

Update from USGS on 3DEP and Open Water Data Initiative – both FGDC Priorities

NGAC has provided input on both initiatives over several years.

Action: USGS will ask for NGAC comments and feedback on 3DEP multi-year plan at September NGAC meeting

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NSDI/Transition Planning

Discussion Questions

What are the high priority geospatial initiatives in which the federal government could participate with the greater geospatial community to advance the development of the NSDI?

How can we reach out to the broader geospatial community to engage in the process? How do we make this relevant to those outside of the federal community?

What are the key messages to the incoming administration regarding the impact of the geospatial community? What can we do to help achieve the administration's priorities?

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Lightning Talks

❖ **Overview of USMC Geographic Intelligence Specialist Series** Talbot Brooks/Matt Paez

❖ **NC Flood Inundation Mapping and Alert Network (FIMAN)** – Gary Thompson

❖ **Have We Mitigated Known Cross-Sector Interdependencies?** Xavier Irias

❖ **Cross-Agency Sharing of Government Data Using AGOL Groups –** Gen. William Reddel/Col. Mike Domingue

❖ **3D Point Clouds** – Jack Hild

❖ **Saving the World One Grid at a Time** – Talbot Brooks

❖ **David Rumsey Map Center Grand Opening** – Julie Sweetkind-Singer

Next Steps

Subcommittees provide status updates and draft reports at September NGAC meeting

Final action on subcommittee products at December webinar meeting.

Next NGAC meetings:
- ❖ Sept 27-28 (NCTC – Shepherdstown)
- ❖ December webinar meeting (date TBD)

CG and SC Monthly Membership

❖ Susan Sullivan is the new Senior Agency Official for Geospatial Information (SAOGI) for the Department of Veterans for Affairs replacing Dat Tran.

❖ Gita Urban-Mathieux is the new Coordination Group Primary Member for U.S. Geological Survey, and Glenn Guempel serves as the CG Alternate.

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Coordination Group Meeting Dates

❖ **2016 CG Meeting Calendar available on FGDC website**

- ***August 9, 2016- Kiowa Room***
- September 13, 2016
- October 11, 2016
- November 8, 2016
- December 13, 2016

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FGDC Business Update

- ❖ 2014 GAO Engagement
- ❖ NGDA Management Plan Activities
- ❖ 2016 Doug D. Nebert NSDI Champion of the Year Award
- ❖ COGO – Opportunities for Collaboration
- ❖ FGDC Leaders Forum
- ❖ FGDC Standards Update

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2014 GAO Engagement – Actions Status

❖ 2015 GAO report FGDC actions (3 remaining)
  ❖ Correct search function on Geospatial Platform and monitor regularly
    - Status: Technical, and catalog record content improvements: on-going
  ❖ Regular collection of Geospatial Platform performance measures with reports to Steering Committee
    - Status: Metrics and dashboards being designed and developed
    - Includes service performance, NDGA Lifecycle assessments, portfolio
  ❖ Create address data theme and associated subcommittees and working groups to further a national address database
    - Status: ExCom agree on:
      - Creation of Address Data Theme
      - Co- Leadership role of Address Data Theme by DOT and Census Bureau
      - DOT and Census will continue with pilot efforts
      - Subcommittee/Work Group will be created to support the efforts
    - Further ExCom Discussion on:
      - NAD governance model

NGDA Management Plan - Current Activities

❖ LMA Performance Dashboard Available

- http://dashboard.geoplatform.gov (login required)

❖ Dataset and Theme Summary Reports Available

- http://www.fgdc.gov/ngda-reports/NGDA_Datasets.html

❖ 2015 NGDA Lifecycle Maturity Assessment Report

- Initial comments adjudicated – next CG has opportunity to review
- Anticipate completion by Steering Committee meeting in September

❖ NGDA MP Evaluation Project

- Version 1 in progress
- August Theme Lead Meeting will prep for Aug. CG meeting discussion
- Anticipate completion date in September

❖ NGDA Collaboration Community (NCC)

- July release

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NGDA Management Plan - Current Activities

❖ June 23 Theme Lead meeting
  • Presentations on Service Status Checker and GeoPlatform
  • Theme Lead updates on Strategic Theme Plans

Theme Name	Status	Theme Name	Status
Biodiversity and Ecosystems	On Track	Imagery*	On Track
Cadastre*	On Track	Land Use Land Cover	Completed
Climate and Weather	Completed	Real Property	Need Status
Cultural Resources	Completed	Soils	Extension
Elevation*	Extension	Transportation*	Completed
Geodetic Control*	Completed	Utilities	On Track
Geology	Completed	Water Inland*	Completed
Governmental Units*	Completed	Water Oceans and Coasts*	Extension

Indicates framework Theme

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Theme Implementation Plans

Theme Implementation Plans need to be developed for Strategic Plans

❖ Initial focus on 8* Framework Theme reports by Dec. 31, 2016

❖ Other Themes will develop as part of next NSDI Strategic Plan

❖ Develop Theme Implementation Plan (TIP) Template. Consider: existing Plans, OMB Circular A - 1 -16 requirements and GAO topics

- The development of partnership programs with states, tribes, academia, the private sector, other federal agencies, and localities that meet the needs of users;

- Human and financial resource needs;

- Standards, metadata, and the clearinghouse needs; and

- A timetable for the development for the Theme

❖ Organize Theme Lead meeting to discuss template and content

* 7 framework themes, water split in inland and oceans and coasts

Theme Name Change

❖ Biota Theme is now the Biodiversity and Ecosystems Theme

❖ Approved at June 16, 2016 Steering Committee meeting with concurrence from OMB

❖ OMB Circular A–16 Supplemental Guidance Appendix E has been updated (http://www.fgdc.gov/policyandplanning/a-16/index_html)

❖ Additional changes will be seen on web pages and associated documents
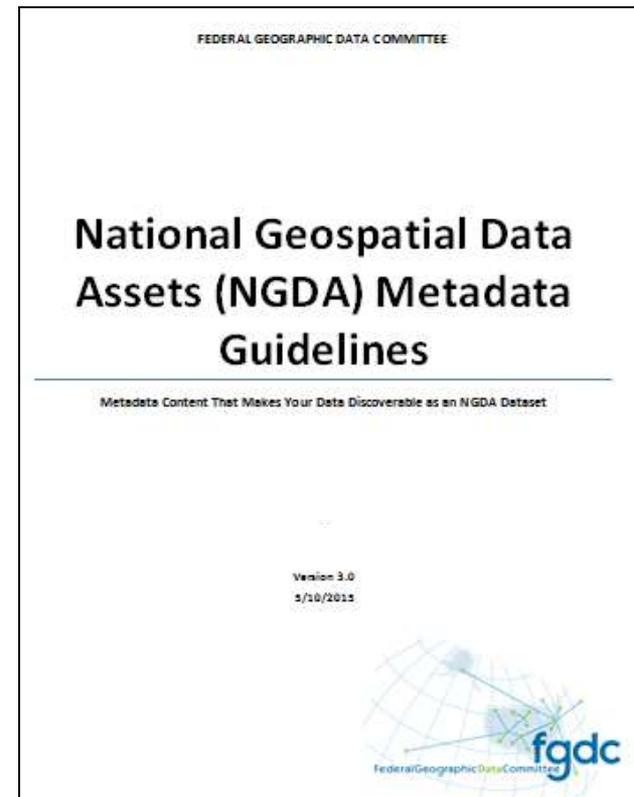
For more information contact:
Marcia McNiff
USGS – Biodiversity and Ecosystems Theme Lead
mmcniff@usgs.gov

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NGDA Web Services and Metadata Project

❖ Providing reliable web services with quality metadata for all NGDA Datasets to improve the GeoPlatform.gov experience by end of 2016

❖ Updated NGDA Metadata Guidelines

- Geospatial Web Services and Data Download Content Tags
  - CSDGM
  - ISO
  - Project Open Data/JSON

❖ Working with agencies to establish web services and update metadata

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National Geospatial Data Assets (NGDA) Metadata Guidelines

Metadata Content That Makes Your Data Discoverable as an NGDA Dataset

Version 3.0
5/10/2015

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NGDA Inventory Updates

❖ Theme Lead Changes

- USGS will be designating a Imagery Theme Co-lead soon
- Soils Theme Lead
  - Jennifer Sweet, NRCS (jennifer.sweet@ftw.usda.gov)acting Theme Lead through August 5, 2016

❖ Dataset Manager Changes

NGDA Dataset	New Dataset Manager	Previous Dataset Manager
Bailey's Ecoregions And Subregions Of The United States, Puerto Rico, And The U.S. Virgin Islands	David Rugg Forest Service drugg@fs.fed.us	Robert Bailey Forest Service (partially retired)
NGDC Marine Trackline Geophysics Database	Brian Meyer NOAA Brian.meyer@noaa.gov	John Campagnoli NOAA (retired)

2016 Doug D. Nebert NSDI Champion of the Year Award

❖ On July 7th, Jennifer Gimbel announced that the recipient of the 2016 Doug Nebert NSDI Champion of the Year Award is the "Oak Ridge National Laboratory Distributed Active Archive Center" (ORNL DAAC) MODIS team.

- They are recognized for their innovation, persistence, and creativity in the development of the MODIS tools.
- MODIS tools provide summaries of selected MODIS Land Products in an easy to use file format through an intuitive user interface.
- Detailed information posted on the FGDC Website.

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COGO - Opportunities for Collaboration

Establish a collaborative effort between FGDC and COGO to:

1. Met with COGO at Esri IUC to discuss collaboration

2. COGO invited to NSDI Leader's Forum (7/26/16)

3. Align efforts on COGO Report Card and NGDA portfolio management.

4. Develop complementary metrics processes

5. Align Report Card and NGDA processes to support shared goals identified through NSDI strategic planning process

6. Promote communication and outreach to convey the critical importance of geospatial data and services, using credible data based on consistent metrics

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FGDC Leaders Forum

❖ **When**: Tuesday, July 26th

❖ **Where**: Main Interior Building-South Penthouse Conference Room (invitation only)

❖ **Target Audience**: Leaders of Geospatial associations and key stakeholders

❖ **Purpose**: Receive input from non-federal sector leadership on the development of the strategic framework to improve the coordination and management of the Nation's geospatial assets, and guide the further development of the National Spatial Data Infrastructure (NSDI)

FGDC Leaders Forum Agenda

Draft Agenda	
Tuesday, July 26 – MIB – South Penthouse Conference Room	
10:00	Start-up & Context Setting
10:15	Overview of the NSDI Strategic Framework Initiative
10:30	Federal vs. National Approach & The Value of the NSDI
11:00	Value Distribution - Redefining Roles and Responsibilities
11:45	Lunch
1:00	A New Vision for the Future – What will it look like?
2:30	Break
2:50	Developing a Shared Direction and Priorities
3:30	Agreements, Actions, and Next Steps
4:00	Adjourn

CG Approval of INCITS/ISO Standards

At its May 25, 2016 meeting, the FGDC Standards WG recommended the following standards for FGDC endorsement:

❖ INCITS/ISO 19115-1:2014[2014] Geographic information - Metadata - Part 1: Fundamentals

❖ INCITS/ISO 19157:2013[2014] Geographic information - Data quality

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CG Approval of Draft Revised SWG Charter

❖ The latest FGDC Standards WG charter, which is published at http://www.fgdc.gov/standards/organization/FGDC-SWG/SWG_Charter.pdf, dates back to the 1990s.

❖ Much of the content is still relevant, and is carried over to the draft revised FGDC Standards WG charter

❖ The draft revised charter:

- cites more recent authorities;

- contains a bibliography of works cited; and

- references initiatives such as the Geospatial Platform, NSDI Strategic Plan and the National Geospatial Data Asset (NGDA) management plan

Standards Update

❖ The benefit and use of the standards tracking workbook is being evaluated

❖ The standards tracking workbook (Excel) has been maintained since February 2011. The March 2016 version is available at https://www.fgdc.gov/standards/monthlyStandardsUpdate/2016-03/2016-03-standards-update.xlsx/view

❖ The standards tracking workbook covers over 300 standards from FGDC, INCITS Technical Committee L1, ISO Technical Committee 211, OGC, and other standardization activities.

❖ There is a worksheet for each year, and within each worksheet, there are columns to track standards over the months.

❖ The effort is very time-intensive, due to the amount of information reviewed, collected, and corroborated.

Standards Update

❖ **FGDC OS is asking for input from the CG and any of their agency staff working with standards.**

- Please provide responses to Julie Binder Maitra, jmaitra@usgs.gov

Questions:

❖ Is your agency aware of the standards update resource?

❖ Does your agency download it?

❖ How have you used it?

❖ Do you have suggestions for improving its use/effectiveness?

Standards Related Events

Month/day	Event	URL
July		
07/06	INCITS L1/U.S. TAG	http://www.incits.org/committees/l1
07/12	**CG**	http://www.fgdc.gov/site-events/cg-july-2016
07/13	ISO Metadata Implementation Forum	https://www.fgdc.gov/metadata/events/iso-geospatial-metadata-implementation-forum/2016/iso-forum-july-2016
07/21	GWG Geospatial Web Services Focus Group	http://www.gwg.nga.mil/GWS.php
August		
08/09	**CG**	http://www.fgdc.gov/site-events/cg-august-2016/
08/10	ISO Metadata Implementation Forum	http://www.fgdc.gov/metadata/events/iso-geospatial-metadata-implementation-forum/2016/iso-forum-august-2016
September		
09/13	**CG**	http://www.fgdc.gov/site-events/cg-september-2016
09/14	FGDC Metadata WG	
09/19-23	OGC #OGCtcOrlando2016	http://www.opengeospatial.org/event/1609tc
09/26-30	INSPIRE Conference 2016	http://inspire.ec.europa.eu/events/conferences/inspire_2016/
09/30	INCITS L1/U.S. TAG	http://www.incits.org/committees/l1

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Questions???