

Coordination Group Meeting FGDC Business Report Update

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*Federal Geographic Data
Committee*

October 11, 2016



Background

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

❖ Geodetic Control Subcommittee

Contact: Juliana Blackwell, NOAA

Read ahead: FGCS Update to FGDC Coordination Group

❖ Geospatial Platform PMO Activities Update

Contact: Jim Irvine, Program Manager, ArdentMC Inc.

Read ahead: Geospatial Platform Report

❖ Artic Spatial Data Infrastructure

Contact: Lorna Schmid, USGS, Artic SDI U.S. National Contact Point

Read ahead: Pending

❖ NSDI Strategic Framework

Contact: John Mahoney, FGDC OS

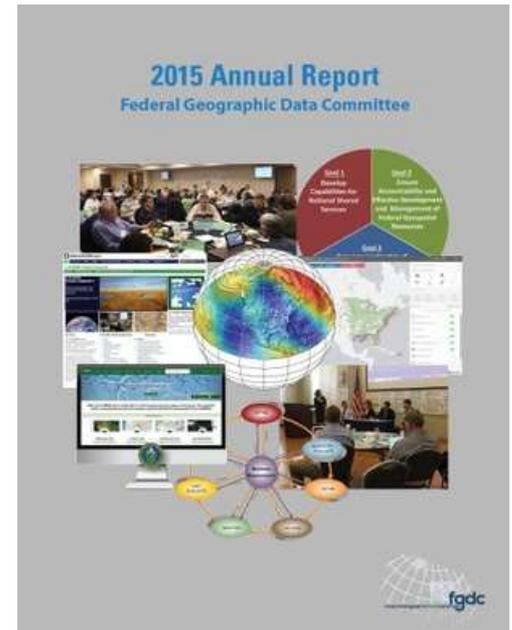
Read Ahead: pending

❖ Other Agency Announcements

FGDC 2016 Annual Report

- ❖ “Recognizing Success and Planning for the Future”
- ❖ Expedited timeframe
- ❖ Digital (.pdf) version anticipated by mid-December
- ❖ Printed copies in January

- ❖ Still some outstanding content
- ❖ If not to FGDC OS by Wed 9/12 content will not make the report



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

Committee's Decision Summary

- ❖ On September 29th, FGDC awarded the first 2016 Doug D. Nebert NSDI Champion of the Year Award to “Oak Ridge National Laboratory Distributed Active Archive Center” (ORNL DAAC) MODIS team.
- Camille Touton, Kevin Gallagher, and Ivan DeLoatch presented the award to: Suresh Kumar, Makhan Viridi, and Robert Cook
- Doug Nebert's parents; Myrna and Robert Bernstein were also in attendance



From left to right: Myrna and Robert Bernstein, and the ORNL DAAC Modis Team.

Executive Committee

- ❖ The Executive Committee held a conference call to discuss the NSDI Strategic Feedback Summary. ExCom members provided their input and reactions based on the feedback received.
- ❖ Another Executive Committee meeting will be held on October 27 at the Main Interior Building. Discussion topics will include the:
 - ❖ 2016 FGDC Annual Report
 - ❖ Transition Strategy
 - ❖ Other FGDC Business Items.

NGAC Meeting

❖ Sept. 27-28 at the National Conservation Training Center, Shepherdstown, WV

❖ Agenda

- Leadership Dialogue
- FGDC Update
- Transition Planning
- Emerging Technologies Spotlight Session
- NGAC Subcommittee Break-out Sessions
- Review of Draft Subcommittee Papers
 - Emerging Technologies
 - Policy Framework
 - Standards Coordination
- NSDI Strategic Planning Dialogue
- NGAC Assessment

Leadership Dialogue

Leadership update and dialogue with FGDC Chair Camille Touton

- ❖ Discussion of FGDC priorities, NGAC activities, and Transition planning

Recognition of NGAC members



Emerging Technologies Panel

Brief presentations from technology leaders on key emerging technologies to explore and identify implications and impacts on the geospatial community

- Keith Masback USGIF - Moderator
- David Tohn BTS Software Solutions
- Aaron Gussman HumanGeo
- Suzanne Foss ESRI
- Sarah Battersby Tableau Software

NGAC 2016 Subcommittees

Emerging Technologies Subcommittee

❖ Membership: Doug Richardson (chair), Sarah Battersby (vice-chair), Pat Cummins, 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.

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.

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)

❖ Tasks:

- 1. Revisit LAG smallsat investigation.
- 2. Temporal data cube study

Transition Planning

Themes

- Emphasize how geospatial helps achieve Administration priorities
- Focus on support for effective decision-making
- Focus on value of outcomes to citizens
- Identify key messages
- Use analogies & use cases to demonstrate impact
- Focus on key program areas/priorities (jobs, homeland security, emergency response, health, etc.)



NSDI Strategic Planning

Themes

- Consider re-envisioning/rebranding the NSDI
- Consider new organizational approaches for leadership of national geospatial programs
- Increase focus on users and consumers of geospatial information
- Focus on engagement with partners & stakeholders, not just outreach
- Continue progress on key initiatives



Lightning Talks

Creating Geospatial Professionals – Brooks

Utah 2016 High Resolution Imagery Survey – Granberg

Geologic Map Standards – Thorleifson

North Carolina/South Carolina Boundary – Thompson

National Geospatial Preparedness Summit – Alexander

How Good is Good Enough? – Irias

DataUSA – Gentile

Water & Addresses Database – Yuan

Arctic Elevation – Cummins

GIS in Government: Where to from Here? – Vogt

GIS&T Advanced Placement Program – Richardson

Outreach & Engagement – Ramasubramanian



Next Steps

NGAC leadership develop draft transition recommendations

Subcommittees revise draft papers based on NGAC feedback.

Final action on subcommittee products at December webinar meeting.

Next NGAC meeting:

- ❖ December 14 Webinar Meeting (tentative)

Coordination Group Meeting Dates

❖ 2016 CG Meeting Calendar available on FGDC website

- November 8, 2016, Rachel Carson Room
- December 13 , 2016



Contact: Lucia Foulkes, FGDC OS, lfoulkes@usgs.gov

FGDC Business Update

2014 GAO Engagement
NGDA Management Plan Activities
FGDC Standards Update



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:

- The Steering Committee approved the Creation of the Address Data Theme on August 8th.
 - Co- Leadership role of Address Theme by DOT and Census Bureau
 - DOT published a report on the pilot
 - Subcommittee in initial creation stage, conduit for federal requirements

NGDA Portfolio Management - Current Activities

- ❖ Theme Accomplishments for 2016 FGDC Annual Report
 - ❖ Thank you for contributions
- ❖ NGDA Collaboration Community (NCC) released
 - ❖ Internal collaboration space for NGDA members - online form available to change NGDA Datasets and Personnel Roles
 - ❖ <https://cms.geoplatform.gov/ncc/>
- ❖ 2015 NGDA Lifecycle Maturity Assessment Report
 - ❖ Anticipate Fall completion
- ❖ NGDA MP Evaluation Project
 - ❖ Draft report to be sent for review to Theme Leads/CG this week
- ❖ Address Theme
 - ❖ Approved by Steering Committee on August 8, 2016
 - ❖ Identifying Theme Leads

Theme Strategic Plans

❖ Theme Strategic Plans Status

❖ 15 Complete, 1 Pending

Theme Name	Status	Date	Link
Biodiversity and Ecosystems Theme	Completed	8/15/2016	Link
Cadastre Theme*	Completed	6/30/2016	Link
Climate and Weather Theme	Completed	6/30/2016	Link
Cultural Resources Theme	Completed	6/30/2016	Link
Elevation Theme*	Completed	9/23/2016	Link
Geodetic Control Theme*	Completed	2/16/2016	Link
Geology Theme	Completed	6/30/2016	Link
Governmental Units Theme*	Completed	6/30/2016	Link
Imagery Theme*	Completed	7/19/2016	Link
Land Use Land Cover Theme	Completed	6/30/2016	Link
Real Property Theme	Pending		
Soils Theme	Completed	9/23/2016	Link
Transportation Theme*	Completed	8/17/2015	Link
Utilities Theme	Completed	7/12/2016	Link
Water Inland Theme*	Completed	6/30/2016	Link
Water Oceans and Coasts Theme*	Completed	8/16/2016	Link

* Indicates A-16 Framework Theme

Theme Implementation Plans

- ❖ Steering Committee supports development of Theme Implementation Plans (TIP)
- ❖ Template status
 - ❖ Adjudicated 9/30/16 comments and 10/5/16 Theme Lead meeting:

Pg. 1 added to examples: “reviewing change management of NGDA personnel roles or NGDA Datasets” and “addressing any risk associated with Theme management responsibilities” *to address comment “Program Management should have some reference to change control and risk management responsibilities”*

Pg. 2 added timeline: “The reports covering the periods of Oct 1st - Mar 31st and April 1st - Sep 30th of each year will be submitted by each Theme Lead to the FGDC Office of the Secretariat no later than April 30th and Oct 31st, respectively.”

Pg. 3 added “(Rounded to the nearest \$10,000) in the Human and Financial Resource Table for the Estimated \$

Theme Implementation Plan – Template

Theme Personnel	
Theme Lead (Co-Leads):	
Theme Lead Agency(ies):	
Executive Theme Champion:	
Executive Champion Agency:	

<Theme Name> Theme NGDA Datasets	NGDA Agency
<NGDA 1>	NGDA Agency 1
<NGDA 2>	NGDA Agency 2
<NGDA n>	NGDA Agency n

Goal 1:				
Objective 1.1:				
Agency and/or Stakeholders Involved:				
Anticipated Outcome:				
Actions (Describe discrete activities)	Milestones (A significant change in development with associated date)	Performance Indicators (A metric to assess progress of the action)	Action Responsibility (Agency, individuals, and/or groups leading the action)	Completion Date (FY / Quarter)
1.1.1				
1.1.2				
1.1.3				
1.1.n				
Agency and/or Stakeholder	Activity through FY <Year>, <Quarter>			

Theme Implementation Plan – Resource Needs

- ❖ Estimate of NGDA Roles (Theme Lead, Dataset Manager, NGDA Coordinator) and the percentage FTE
 - ❖ Inclusive of requirements needed for managing the A–16 Theme
 - ❖ Do not include resources required for responsible agency to develop and maintain NGDA Dataset(s)
 - ❖ Minimum information to report is the Theme Lead’s time spent on Theme management as a percentage FTE

Description of Theme Management Activities	Role <i>(Theme Lead, Dataset Manager, Coordinator, other as specified)</i>	% FTE	FTE Grade
A–16 NGDA Theme management (e.g., attend meetings, review NGDA documents, develop Theme Strategic Plans, etc.) <i>(repeat for co-Theme Leads)</i>	Theme Lead	%	
Other Theme administration activities (e.g., Dataset Manager completing Lifecycle Maturity Assessment, etc.) <i>(please specify and repeat row as needed)</i>		%	
Theme Administration Total %FTE & Estimated \$ (rounded to the nearest \$10,000)		%	\$

Based on Program Management definition in *Geospatial Investment Definitions for Tracking and Reporting Geospatial Investment Costs (April 2016)*.



Theme Implementation Plans - Next Steps

- ❖ Finalize Theme Implementation Plan template
- ❖ Begin work on Framework Theme TIPs - due 12/31/16
- ❖ Other Themes will develop TIPs as part of next NSDI Strategic Plan

Theme Name	Theme Name
Biodiversity and Ecosystems Theme	Imagery Theme*
Cadastral Theme*	Land Use Land Cover Theme
Climate and Weather Theme	Real Property Theme
Cultural Resources Theme	Soils Theme
Elevation Theme*	Transportation Theme*
Geodetic Control Theme*	Utilities Theme
Geology Theme	Water Inland Theme*
Governmental Units Theme*	Water Oceans and Coasts Theme*

* Indicates A-16 Framework Theme

A-16 NGDA Web Services and Metadata Update

- ❖ Updated NGDA Metadata Guidelines Ver. 4 now online
 - ❖ Clarified issues with data download CSDGM elements
 - ❖ Include Address Theme and other editorial changes

https://cms.geoplatform.gov/sites/default/files/document_library/NGDA_Metadata_Guidelines.pdf
- ❖ Status
 - ❖ 16 Complete
 - ❖ 161 In progress
- ❖ Next Steps
 - ❖ Continue working with Dataset Managers, Theme Leads, and Metadata Publishers to establish/identify web service and data download links

NGDA Inventory Updates

❖ Theme Lead Changes

NGDA Theme	New Theme Lead	Previous Theme Lead
Address	Lynda Liptrap, US Census Bureau Lynda.A.Liptrap@census.gov	None. Transportation Co-Theme Lead - To Be Determined
Governmental Units	Dierdre Bevington Attardi, US Census Bureau Dierdre.Bevington.Attardi@census.gov	Lynda Liptrap, US Census Bureau

❖ Dataset Title Changes

- ❖ U.S. Census Bureau updated several NGDA Datasets with 2016 dates and aligned titles with official NGDA inventory list.

NGDA Inventory Updates

❖ Dataset Manager Changes

NGDA Dataset	New Dataset Manager	Previous Dataset Manager
National Hydrography Dataset (NHD)	Rebecca Anderson, USGS rdanderson@usgs.gov	Steve Aichele, USGS
Forest Inventory and Analysis Database	Rich McCullough, Forest Service, mcullough01@fs.fed.us	Patrick Miles, FS
Census Bureau Regional Office Boundaries	Nathan Jones, US Census Bureau nathan.jones@census.gov	Lynda Liptrap, US Census Bureau Lynda.A.Liptrap@census.gov
35 other US Census Bureau NGDA Datasets (https://www.fgdc.gov/ngda-reports/NGDA_Datasets.html)	Nathan Jones, US Census Bureau nathan.jones@census.gov	Dierdre Bevington Attardi, US Census Bureau Dierdre.Bevington.Attardi@census.gov

NGDA Inventory Updates

Discussed at 10/5/16 Theme Lead meeting

- ❖ Proposed Removal of NGDA
 - ❖ USGS Structures, Bob Pierce USGS
- ❖ Proposed Addition of NGDA Dataset
 - ❖ U.S. National Vegetation Classification as NGDA Dataset, Marianne Burke Forest Service

FGDC Standards

The FGDC Standards Working Group (SWG) met on September 27, 2016.

- ❖ There was discussion on the standards update and FGDC-endorsed standards.
- ❖ Informational briefings on the Common Framework for Earth Observations Data (CFEOD), the Semantic Web and the National Map, and the FGDC Architecture & Technology WG.

The next meeting is planned for December 2016.

CG approval of INCITS/ISO standards

- The CG ballot to approve INCITS/ISO 19115-1:2014[2014], Geographic information - Metadata - Part 1: Fundamentals, and INCITS/ISO 19157:2013[2014], Geographic information - Data quality, closed on September 20.

SC endorsement SWG charter

- The Steering Committee ballot to endorse the Architecture & Technology WG and revised Standards WG charters closed on September 21
- The Steering Committee endorsed both charters.
 - ATWG Charter,
<https://www.fgdc.gov/organization/working-groups-subcommittees/atwg/charter.pdf>
 - SWG Charter,
https://www.fgdc.gov/standards/organization/FGDC-SWG/SWG_Charter.pdf

OGC metadata and catalog services

- The OGC Technical Committee (TC) ballot to update *OGC Abstract Specification Topic 11: Metadata* from ISO 19115:2003 to ISO 19115-1:2014 closed September 3. The TC vote passed.
- The OGC Planning Committee subsequently passed the update of OGC Abstract Specification Topic 11: Metadata
- The TC vote to recommend approval of the CAT 3.0 Executable Test Suite closed on October 1. The TC vote passed.

INCITS L1 and ISO TC 211

- ISO 19115-3:2016, Geographic information -- Metadata -- Part 3: XML schema implementation for fundamental concepts, describes how to generate XML schema from ISO conceptual models for geospatial metadata.
- At its September 30 meeting, INCITS L1 recommended adoption of ISO 19115-3:2016 as an American National Standard (ANS).
- ISO 19115-3:2016 (or its ANS equivalent) might become a candidate standard for FGDC endorsement.

Standards related events

Year	Month	Date(s)	Event	Location
2016	October	10/11	CG	
		10/12	ISO Metadata Forum	webinar
		10/24-10/28	World Standards Week	Washington, DC
		10/26	GWG 16-3.0 Voting Session & Plenary	Chantilly, VA
	November	11/07-11/11	ISO/IEC JTC1 Plenary	Lillehammer, Norway
		11/08	CG	
		11/11	INCITS L1/U.S. TAG	
		11/28-12/02	ISO TC 211 Plenary and meetings	Redlands, California
	December	12/04-12/08	OGC #OGC16tcTaichung	Taichung, Taiwan
		12/13	CG	
2017	March	03/20-03/24	OGC #OGC17tcDelft	Delft, The Netherlands
	June	06/26-06/30	OGC #OGC17stjohns	St. John's, Newfoundland, Canada

Questions???