

National Geospatial Advisory Committee

Federal Geospatial Highlights

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Executive Director

*Federal Geographic Data
Committee*

April, 08 2016



FGDC Update Topics

- ❖ GAO Engagements
- ❖ National Geospatial Data Asset (NGDA) Management Plan Update
- ❖ NGAC Appointments
- ❖ 2015 FGDC Annual Report
- ❖ New FGDC Website – Coming Soon!
- ❖ Doug D. Nebert NSDI Champion of the Year Award
- ❖ FGDC Steering Committee Meeting Overview

2012 GAO Report – FGDC Actions

GAO-13-94, Nov. 26, 2012 – “OMB and Agencies Need to Make Coordination a Priority to Reduce Duplication”

- ❖ Develop a plan with timeframe to facilitate the implementation of OMB’s portfolio management guidance
OUTCOME: National Geospatial Data Asset Management Plan
- ❖ Develop and implement guidance for identifying planned geospatial investments using the Geospatial Platform
OUTCOME: Geospatial Platform Marketplace – evolving
- ❖ Create, update and implement an NSDI strategic plan
OUTCOME: NSDI Strategic Plan 2014-2016

Note: report included agency specific geo planning, metadata, standards, marketplace, and data theme management actions.

GAO has closed these actions based on evidence of implementation. FGDC continues to develop and implement these plans and tools.

2015 GAO Report – FGDC Actions

GAO-135-193, Feb. 2015 – “Geospatial Data, Progress Needed on Identifying expenditures, Building and Utilizing a Data Infrastructure, and Reducing Duplicative Efforts”

- ❖ Correct search function on the Geospatial Platform and monitor regularly
STATUS: Enhanced search capabilities evolving with robust search in V4.0
- ❖ Regular collection of Geospatial Platform performance measures with reports to the Steering Committee
STATUS: Performance dashboards pending release, FGDC service checker integrated
- ❖ Create address data theme and associated subcommittees and working groups to further a national address database (NAD)
STATUS: DOT held a NAD Summit engaging multiple communities and levels-of-government; DOT and Census executed pilots with multiple stakeholders, DOT drafting a minimum content standard, DOT and Census developing a set of recommendations.
- ❖ National Digital Orthophoto Program (NDOP) to reassess the feasibility of the Imagery for the Nation initiative.
STATUS: GAO has closed this action. The reassessment recognized there is still value to be had in a national imagery program but that significant barriers still exist. The path forward should be part of the NGDA Imagery Theme Strategic Plan and not a separate initiative.

Note: report included agency specific geo planning, policy, metadata, marketplace, actions; and an OMB action for improved oversight on progress of the NSDI.

National Geospatial Data Asset Management

National Geospatial Data Asset (NGDA)

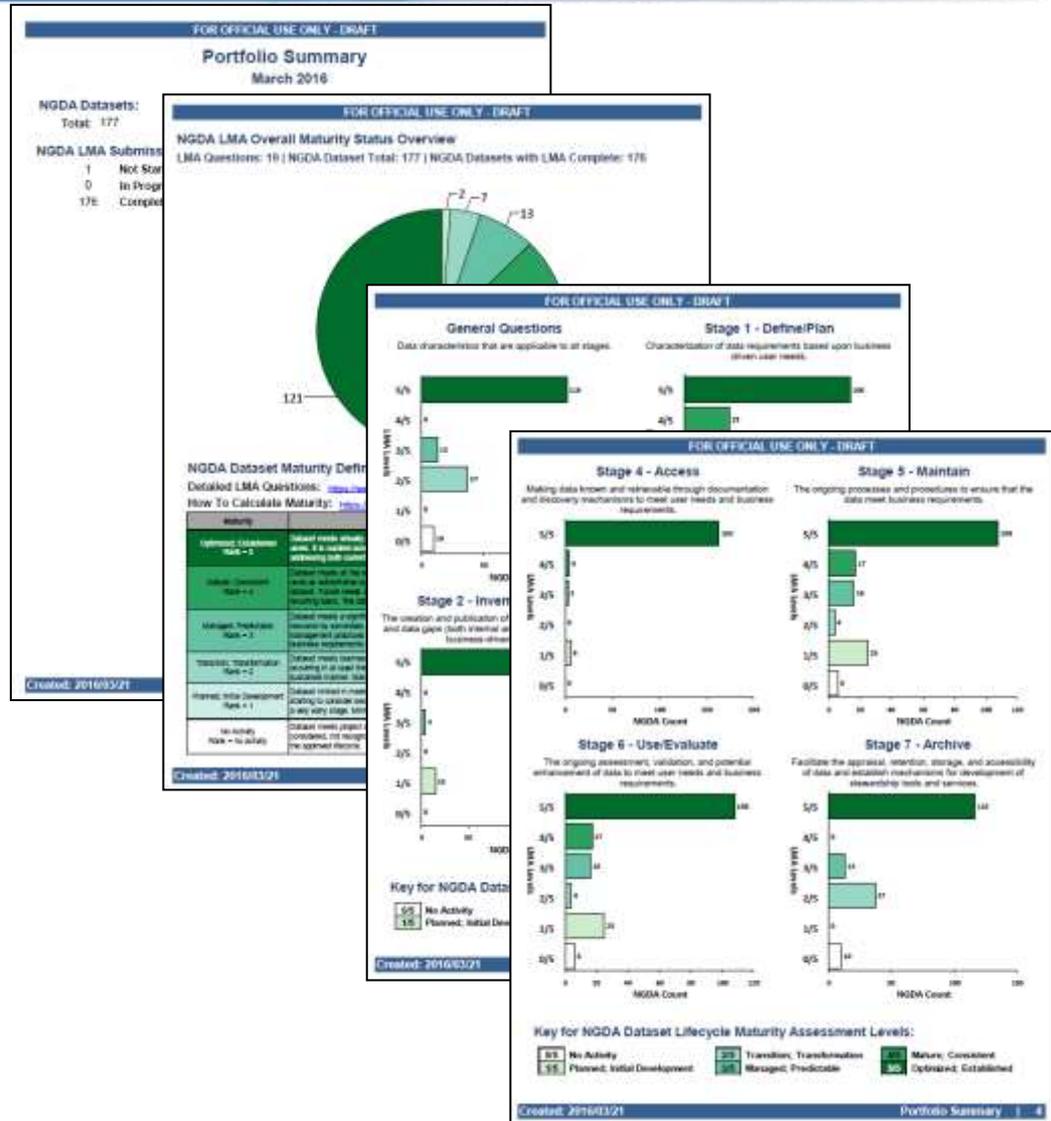
- ❖ Data Themes and data sets
- ❖ Updated OMB Circular A-16, Appendix E – *NSDI Data Themes, Definitions, and Lead Agencies*
- ❖ Data foundation for the Federal geospatial data portfolio management

NGDA Management Plan (NGDAMP), March 2014

- ❖ Portfolio Management Implementation Plan for OMB Circular A-16 *Supplemental Guidance* as it relates to OMB Circular A-16, *Coordination of Geographic Information and Related Spatial Data Activities*
- ❖ 3-year plan, started in 2014
- ❖ Major portion of the NSDI Strategic Plan Goal 2

NGDA Portfolio Summary Report

- ❖ General information
 - Submission Status
- ❖ Maturity Status Overview
 - Each Dataset maturity in pie chart
- ❖ LMA questions in bar chart
 - Number of Datasets at each level in Stages
- ❖ Purpose
 - Support the priority setting and budget process



Dataset Report

❖ General information

- Title
- Points of Contact
- Metadata links

❖ LMA output

- 19 Questions with maturity
- Justification Comments
- Attachments

❖ Purpose

- Consistent reporting to manage A-16 NGDA Portfolio

FOR OFFICIAL USE ONLY

NGDA Dataset Report

Official NGDA Title: Bailey's Ecoregions And Subregions Of The United States, Puerto Rico, And The U.S. Virgin Islands - Direct Download

Metadata Record Title: Bailey's Ecoregions And Subregions Of The United States, Puerto Rico, And The U.S. Virgin Islands - Direct Download

A-16 NGDA Theme: Bots

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NGDA Lifecycle Maturity Assessment (LMA) Report

Time Frame: Baseline assessment responses include data set activities from 1995 to 2015.

LMA Submission:
 Status: Complete
 Date: 10/27/2015
 Extension Requested: Yes

LMA Reviewer(s):
 Supervisor: Did not review
 Theme Lead: Did not review
 Executive Champion: Did not review
 SAOGF: Did not review
 Other: Laurie Porth

LMA Verifier:
 Name: Laurie Porth
 Email: lporth@fgdc.gov

Attachments:
 To get access to any attachments of NGDA_LMA_help@fgdc.gov; Attachment(s) and indicate

Created: 2016/01/15

FOR OFFICIAL USE ONLY

NGDA Lifecycle Maturity Assessment (LMA) Report

Overall Maturity: **Mature, Established**

General Questions: 100%
 Optimized, Established

Stage 4 - Access: 75%
 Mature, Established

Stage 1 - Define/Plan: 100%
 Managed, Established

Stage 2 - Inventory/Evaluate: 100%
 Optimized, Established

Stage 6 - Use/Evaluate: 44%
 Optimized, Established

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Lifecycle Maturity Assessment (LMA) Summary

Overall Maturity: **Mature, Established**

General Questions: 100%
 Optimized, Established

Stage 4 - Access: 75%
 Mature, Established

Stage 1 - Define/Plan: 100%
 Managed, Established

Stage 2 - Inventory/Evaluate: 100%
 Optimized, Established

Stage 6 - Use/Evaluate: 44%
 Optimized, Established

FOR OFFICIAL USE ONLY

NGDA Dataset Maturity Definitions:

How To Calculate Maturity: <http://www.usace.army.mil>

| Maturity | Maturity Description |
|--|--|
| Optimized, Established Rank = 5 | Dataset meets virtually all business and secondary users. It has no more than a few minor business requirements to be added. |
| Mature, Established Rank = 4 | Dataset meets all the business and secondary users. It has no more than a few minor business requirements to be added. |
| Managed, Established Rank = 3 | Dataset meets a significant number of business and secondary users. It has no more than a few minor business requirements to be added. |
| Transition, Established Rank = 2 | Dataset meets business needs of the majority of users. It has no more than a few minor business requirements to be added. |
| Partial, Initial Development Rank = 1 | Dataset meets business needs of a few users. It has no more than a few minor business requirements to be added. |
| No Activity Rank = No activity | Dataset meets project or local business needs. It has no more than a few minor business requirements to be added. |

Created: 2016/01/15

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General Questions for All Stages

1) Is there a recurring process to obtain funding for all lifecycle stages of this dataset?
 Answer: Funding support is part of agency budget on a recurring basis, funding is consistent and tied to business processes, and supports all lifecycle stages.
 Justification Comment: Attachment(s): 0
 Dataset is static. Data have been fully developed at the beginning of its active life cycle (1995) and no further modifications are planned. Funding is in place to staff archive processes.

2) Is there a process in place to ensure that open government and transparency guidelines are followed in all lifecycle stages for this dataset?
 Answer: Process is published as appropriate with respect to sensitivity requirements, process is transparent, published appropriately.
 Justification Comment: Attachment(s): 0
 The process used in creating, updating, and maintaining Level IV ecoregions is fully documented in the dataset metadata. All processing steps over time are clearly articulated in the metadata processing steps. Logical consistency issues are noted, and all historic peer reviewed published papers concerning the approach to creating ecoregions are cited in the metadata.
 Publications: <http://www.fed.us/metadata/ecoregions/publications/>
 Metadata: <http://www.fed.us/metadata/ecoregions/download/ecoregions-united-states/data-entire/united-states.html>

3) Are these processes and tools in place so that staff are sufficiently knowledgeable to ensure a continuity of the dataset for all stages of the lifecycle, especially during staffing transitions?
 Answer: Processes and tools to ensure dataset continuity are in place and implemented for all lifecycle stages.
 Justification Comment: Attachment(s): 0
 There are no more updates to this data. Data are open as mentioned above in the final life stage of this data. As part of archival, staff are trained in awareness of data location and data number experts. This assessment is for 1995 through 2015.

STAGE 1 - Define/Plan

4) Are user and business requirements defined and formalized?
 Answer: Ad hoc process is used for involving Partners/stakeholders in identifying requirements.
 Justification Comment: Attachment(s): 0
 No involvement - data are static since 1995 and are being archived.
 This assessment is for 1995 through 2015.

5) How are partners/stakeholders involved in the requirements collection process?
 Answer: Not Applicable (NA)
 Justification Comment: Attachment(s): 0
 Not Applicable, data are static and archived.
 The data were created in 1995 in collaboration with field experts and was supported by funding from multiple organizations that provided requirements. No more requirements have been or will be collected.
 This assessment is for 1995 through 2015.

6) Is there a quality assurance process for the dataset?
 Answer: No.
 Justification Comment: Attachment(s): 0
 This assessment is for 1995 through 2015.

Created: 2016/01/15

NGDA Dataset Report 1 4

Performance Dashboard

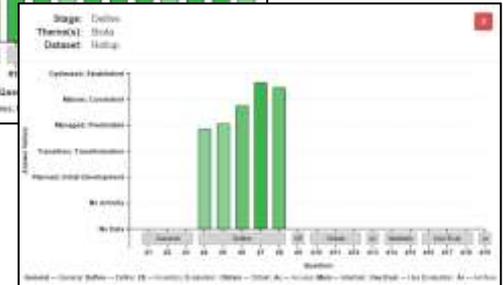
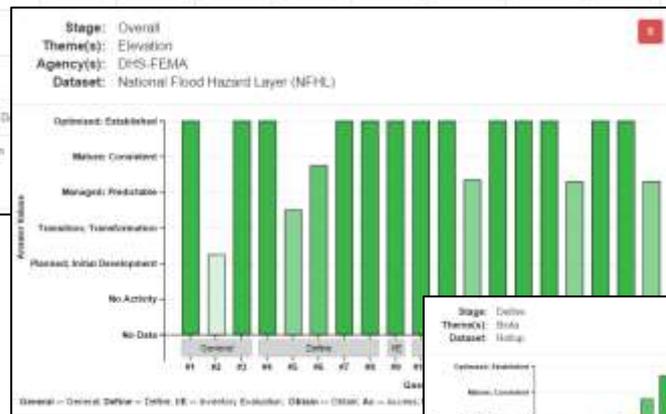
- ❖ Tools to measure, monitor, and report on NGDAs
- ❖ Currently accessible to Theme and Dataset managers
- ❖ Plan to make publically available

GeoPlatform Performance Dashboard Dashboard Help

Select a NGDA Dataset Lifecycle Maturity Assessment survey from the drop-down below. This assessment is completed by dataset managers on an annual basis. The most recent results are displayed by default. You may choose to filter by Theme or Agency using the Selection Type and Selection drop-downs. For more details, click on a rating box (cell) or hover over column headings.

Survey: Submissions as of 12/31/2015 | Selection Type: By Theme | Selection: 1 selected | Export as: PDF

| Dataset | General | Define | Inventory | Evaluation | Obtain | Access | Maintain | Use | Archive | Overall | Theme | Agency |
|---|---------|--------|-----------|------------|--------|--------|----------|-----|---------|---------|---------|----------------------|
| Theme Rollup | 56 | 56 | 56 | 55 | 56 | 56 | 56 | 56 | 56 | 56 | | |
| Advanced Spectroscopic Thermal Emission and Reflection Radiometer (ASTER) | 56 | 56 | 56 | 55 | 56 | 56 | 56 | 56 | 56 | 56 | Imagery | NASA |
| High Resolution Orthorectified Imagery | 56 | 56 | 56 | 55 | 56 | 56 | 56 | 56 | 56 | 56 | Imagery | DOI-USGS and DOC-NGA |
| Landsat 1-5 Multispectral Scanner (1972-1992) | 56 | 56 | 56 | 55 | 56 | 56 | 56 | 56 | 56 | 56 | Imagery | DOI-USGS |
| Landsat 4-5 Thematic Mapper (1982 - present) | 56 | 56 | 56 | 55 | 56 | 56 | 56 | 56 | 56 | 56 | Imagery | DOI-USGS |
| Landsat 7 Enhanced Thematic Mapper Scan-Like Converter (ETM SC-LC) (2000 - present) | 56 | 56 | 56 | 55 | 56 | 56 | 56 | 56 | 56 | 56 | Imagery | DOI-USGS |
| Moderate Resolution Imaging Spectroradiometer (MODIS) - Aqua | 56 | 56 | 56 | 55 | 56 | 56 | 56 | 56 | 56 | 56 | Imagery | NASA |
| Moderate Resolution Imaging Spectroradiometer (MODIS) - Terra | 56 | 56 | 56 | 55 | 56 | 56 | 56 | 56 | 56 | 56 | Imagery | NASA |
| NOAA Coastal Mapping Remote Sensing Data | 56 | 56 | 56 | 55 | 56 | 56 | 56 | 56 | 56 | 56 | Imagery | DOC-NGA |
| The National Agriculture Imagery Program (NAIP) Imagery | 56 | 56 | 56 | 55 | 56 | 56 | 56 | 56 | 56 | 56 | Imagery | USDA-FSA |



Moving NGDA Portfolio Management Forward



NGDA Management Plan – Evaluation Project

❖ FGDC has begun an evaluation of the NDGAMP actions

❖ Goals:

- **Assess** the NGDA MP actions and activities to identify their initial or expected value
- **Report** the value of the assessment and NGDA MP actions and their relationship to the A-16 Supplemental Guidance
- **Recommend**, based on their assessed value, a set of follow-on actions to advance portfolio management
- **Develop** methods for improving reporting of value of portfolio management actions
- **Align** recommended actions with the next NSDI Strategic Plan

NGDA Management Plan – Evaluation Project

❖ Completed - February 25th facilitated discussion at Esri FedGIS conference

- 59 total participants
- Representatives from 16 agencies
- Separated into 4 breakout groups
- 3 sets of questions
 - Completed NGDA MP activities
 - In progress and planned activities
 - Future



❖ In work - Online evaluation survey to be completed by NGDA community

❖ Coming up - NGAC Subcommittee for the NDSI Strategic Plan

❖ Coming up - NSDI Strategic Plan community Leaders forum

NGAC Appointments

- ❖ New Leadership and Membership Appointed to NGAC – Feb 2016
 - Chair: Julie Sweetkind-Singer (Stanford University)
 - Vice Chair: Keith Masback (US Geospatial Intelligence Foundation)
- ❖ 14 Appointments:
 - 5 reappointments
 - 9 new appointments
- ❖ Next round of appointments (2016) currently under review

2015 Annual Report

- ❖ FGDC submits an annual report to OMB
- ❖ Hardcopy reports have been provided to the NGAC members
- ❖ Softcopy report will be available at:
www.fgdc.gov/library/whitepapers-reports/annual-reports/2015AnnualReport
- ❖ Contact Gita Urban-Mathieux, burbanma@usgs.gov

New FGDC Website – Coming Soon!

The screenshot displays the new FGDC website layout. At the top left is the **FGDC.GOV** logo with the text "FEDERAL GEOGRAPHIC DATA COMMITTEE" below it. A navigation menu includes **HOME**, **WHO WE ARE**, **WHAT WE DO**, **CURRENT INITIATIVES**, **ORGANIZATION**, **RESOURCES**, and a search icon. The main content area features a large carousel for the **2015 Annual Report** with left and right navigation arrows. To the right, there are sections for **News** and **Events**. The **News** section lists three items: "FGDC Steering Committee votes to endorse the Wetlands Standard" (dated 21 Sep 2015), "NSDI Strategic Plan for the years 2014-2016 Released" (dated 21 Apr 2015), and "Jennifer Gimbel Appointed as New Chair of the FGDC Steering Committee" (dated 21 Jan 2015). The **Events** section lists: "FGDC Steering Committee Meeting" (Jul 18, DOI, Washington DC), "NGAC Meeting" (Aug 28, Webinar), and "FGDC Coordination Group Meeting" (Sep 15, DOI, Washington DC). Below the carousel, there are three buttons: "I want to", "I am a", and "Quick Links". A list of activities includes: "Download Standards", "Know which Metadata Standard to use", "Find Data & Services", "Contribute my Data", "Make a Map", "Find Training Resources", and "Participate in FGDC Activities". On the right side, a section titled "Looking for Data, Services and Maps?" contains a button for "VISIT GEOPLATFORM.GOV" and a paragraph describing the Geospatial Platform as an FGDC initiative for shared and trusted geospatial data, services, and applications for the advancement of the NSDI.

FGDC.GOV
FEDERAL GEOGRAPHIC DATA COMMITTEE

HOME | **WHO WE ARE** | **WHAT WE DO** | **CURRENT INITIATIVES** | **ORGANIZATION** | **RESOURCES** | **Q**

2015 Annual Report
Federal Geographic Data Committee

News

- FGDC Steering Committee votes to endorse the Wetlands Standard
21 Sep 2015
- NSDI Strategic Plan for the years 2014-2016 Released
21 Apr 2015
- Jennifer Gimbel Appointed as New Chair of the FGDC Steering Committee
21 Jan 2015

Events

- Jul 18** FGDC Steering Committee Meeting
DOI, Washington DC
- Aug 28** NGAC Meeting
Webinar
- Sep 15** FGDC Coordination Group Meeting
DOI, Washington DC

FGDC Annual Report
Read Online or Download

I want to

- Download Standards
- Know which Metadata Standard to use
- Find Data & Services
- Contribute my Data
- Make a Map
- Find Training Resources
- Participate in FGDC Activities

I am a

Quick Links

Looking for Data, Services and Maps?

VISIT GEOPLATFORM.GOV

Geospatial Platform is an FGDC initiative that provides shared and trusted geospatial data, services, and applications for the advancement of the **NSDI**.



Steering Committee Page



FEDERAL GEOGRAPHIC DATA COMMITTEE

[HOME](#) [WHO WE ARE](#) [WHAT WE DO](#) [CURRENT INITIATIVES](#) [ORGANIZATION](#) [RESOURCES](#) [Q](#)

FGDC STEERING COMMITTEE

[Home](#) / [Organization](#) / [Steering Committee](#)

The FGDC Steering Committee is the policy-level interagency group responsible for providing leadership and direction in support of the [Office of Management and Budget \(OMB\) Circular A-16](#) related activities and the development of the [National Spatial Data Infrastructure \(NSDI\)](#). The Steering Committee's central focus is to provide the executive leadership for the coordination of federal geospatial activities between, among, and within agencies. The [Steering Committee Charter](#) has information about the responsibilities, membership, authorities and decision making processes of the committee. A subset of the Steering Committee also serves as the [FGDC Executive Committee](#).

MEETINGS

FGDC Steering committee meets 3 to 4 times per year, as agenda items requiring actions arise.

- [2015 - March | June | September](#)
- [2014 - April | June | September](#)
- [All Meetings](#)

NEWS / ANNOUNCEMENTS

Membership Designation Memorandums

- [US DOI, August 1, 2011, "Federal Geographic Data Committee -- Designation of Senior Agency Official for Geospatial Information" \(pdf\)](#)
- [EOP M-06-07 March 3, 2006, "Designation of a Senior Agency Official for Geospatial Information". \(pdf\)](#)
- [US DOI, January 15, 2008, "Next Phase of Geospatial Line of Business", established the FGDC Executive Committee. \(pdf\)](#)

MEMBERSHIP

 **Jennifer Gimbel**
Chair, DOI

 **Scott Bernard, Vice-Chair**
Vice Chair, OMB

[Steering Committee Members](#)

UPCOMING MEETINGS

 **FGDC Steering Committee Meeting**
21 May 2015

 **FGDC Steering Committee Meeting**
21 Sep 2015

What We Do > Standards Development

FGDC.GOV
FEDERAL GEOGRAPHIC DATA COMMITTEE

HOME | WHO WE ARE | WHAT WE DO | CURRENT INITIATIVES | ORGANIZATION | RESOURCES | Q

GEOSPATIAL STANDARDS

Home / Standards

Standards facilitate development, sharing, and use of geospatial data and services. The FGDC develops or adopts geospatial standards for [implementing the NSDI](#), in consultation and cooperation with State, local, and tribal governments, the private sector and academic community, and, to the extent feasible, the international community.

Federal agencies that collect, use, or disseminate geographic information and/or carry out related spatial data activities shall use FGDC-endorsed standards both internally and through their activities involving partners, grants, and contracts.

Non-Federal agencies are encouraged to use FGDC-endorsed standards to facilitate data sharing.

BENEFITS
There are numerous benefits of standards.

FAQS
Find answers about FGDC Standards.

STANDARDS POLICIES

GET INVOLVED!

The FGDC welcomes anyone who is interested in participating in and contributing to its geospatial standardization activities. The FGDC issues public requests for comments, proposals, information or technology. Your comments or submissions are encouraged.

If you would like to keep up to date on FGDC standards activities and meetings, please contact the FGDC Standards Coordinator.

FIND STANDARDS

- [FGDC Endorsed Standards](#)
- [FGDC Standards under development](#)

Add content for all FGDC endorsed standards

[DOWNLOAD STANDARDS](#)

NEWS / ANNOUNCEMENTS

Move news and announcements and calendar to sidebar

- [Public Review](#)
- [Standards endorsements](#)
- [Upcoming meetings](#)
- [Standards updates](#)

CONTACT

FGDC Standards Coordinator

Mrs. Julie Binder Maltra
Phone: 703-648-4627
Email: jmaltra@fgdc.gov

ORGANIZATIONS

STANDARDS UNDER CONSIDERATION

Events

FGDC.GOV
THE FEDERAL GEOGRAPHIC DATA COMMITTEE

HOME WHO WE ARE WHAT WE DO CURRENT INITIATIVES ORGANIZATION **RESOURCES** 🔍

EVENTS

Filter / Reset

10 Apr
400 x 300

FGDC STEERING COMMITTEE MEETING

Event | 📍 Roxbury, MA

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📅 **Read More**

16 Apr
400 x 300

NSGIC MID YEAR MEETING

📅 Annapolis, MD

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Read More

3 May
400 x 300

FGDC COORDINATION GROUP MEETING

Event | 📍 Waltham

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Read More

Order Reset

UPCOMING EVENTS

- FGDC Steering Committee Meeting
- NSGIC Mid Year Meeting
- NSGIC Meeting

FEATURED EVENTS

ISO Metadata Implementation Forums (monthly)

Waltham

SUBMIT AN EVENT

Full Name

Email Address

Message

SEND EMAIL

History / Timeline

FGDC.GOV
FEDERAL GEOGRAPHIC DATA COMMITTEE

HOME | WHO WE ARE | WHAT WE DO | CURRENT INITIATIVES | ORGANIZATION | **RESOURCES** | Q

HISTORY OF THE FGDC AND SPATIAL COORDINATION

Resources / Events

Timeline events:

- 1950: Director of OMB instructions of the eye
- 1950: A-16 Exhibits A,B,C, & D
- 1960: OMB Circular A-16 Issued
- 1970: A-16 Revised
- 1980: OMB Memo 83-12
- 1990: A-16 Revised - Federal Geographic Data Committee Established
- 2002: Executive Order 12906 - National Spatial Data Infrastructure (NSDI)
- 2002: **Circular A-16 Revised**
- 2006: OMB Memo M-06-07
- 2006: A-16 Supplemental Guidance
- 2020: Future event

1994
Executive Order 12906 - National Spatial Data Established

August 19, 2002
Circular A-16 Revised
Strengthened coordination responsibilities of Federal agencies and incorporated NSDI into the Circular.

JANUARY 1, 2006
OMB Memo M-06-07

1994
Circular A-16 Issued

2002
Circular A-16 Revised

2006
A-16 Supplemental Guidance

2006
A-16 Revised - Federal Geographic Data Committee Established

2006
OMB Memo M-06-07

2020
Future event

Doug D. Nebert NSDI Champion of the Year Award

- ❖ **Nomination information is posted on FGDC Web site**
http://www.fgdc.gov/fgdc-news/Nebert_Award_Nomination
- ❖ Will recognize individual or team representing Federal, State, Tribal, regional, and (or) local governments, academia, or nonprofit and professional organizations
- ❖ Development of an innovative and operational geospatial tool, application, or service capability used by multiple organizations
- ❖ Award based on the following foundational precepts
 - Content Innovation and vision
 - Interoperability
 - Use of standards
 - Advancement of NSDI principles
 - Service to communities of users
 - Developed once, used by many
 - Improved performance and service
 - Real-world application
 - here as a sub-bullet
- ❖ First award - Summer of 2016



Steering Committee Meeting Overview

April 8, 1:00-3:00 pm, South Interior Building Auditorium (1st Floor)

| | | |
|-------------|--|------------------------------------|
| 1:00 – 1:05 | Welcome/Introductory Remarks; Leadership Update | Jennifer Gimbel, Chair, DOI |
| 1:05 – 1:20 | Geospatial Platform | Jerry Johnston, DOI |
| 1:20 – 1:50 | Biota NGDA Theme Report | Marcia McNiff, USGS |
| 1:50 – 2:05 | National Address Database | Tim Trainor, DOC; Steve Lewis, DOT |
| 2:05 – 2:25 | NGAC Meeting Summary | Julie Sweetkind-Singer, NGAC Chair |
| 2:25 – 2:35 | Survey for Data Acquisition Vehicles | Angela Smith, GSA |
| 2:35 – 2:50 | Geospatial Investments Definitions Document | Ivan DeLoatch, FGDC OS |
| 2:50 – 2:55 | NSDI Strategic Plan, NGDA Management Plan Evaluation | Ivan DeLoatch, FGDC OS |
| 2:55 – 3:00 | Wrap-Up | Jennifer Gimbel, Chair, DOI |
| 3:00 | Adjourn | |

NOTE: Registration required for submission to security, Email (lfoulkes@usgs.gov) with attendee(s) names and agency



Questions???