



# **NSDI Strategic Plan and NGDA Management Plan Implementation Update**

**FGDC Steering Committee**

Thursday, June 11, 2015

# Steering Committee Initiatives

- ◆ NSDI Strategic Plan 2014-2016
  - Is the *A-16* and *A-16 Supplemental* implementation plan
- ◆ National Geospatial Data Asset Management Plan
  - Geospatial data asset portfolio management per Administration and OMB direction
  - Actions align to goals of the NSDI Strategic Plan
- ◆ Leadership and execution are Steering Committee responsibilities
- ◆ Steering Committee Executive Champions are leading task execution with participation expected from across the FGDC agencies
- ◆ Progress is closely monitored by GAO



# NSDI Strategic Plan

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- ◆ Plan has 3 Goals, 9 Objectives
- ◆ Each Objective has:
  - An Executive Champion from the Steering Committee leading implementation
  - An Implementation Plan of supporting actions and timelines
- ◆ 7 Objectives' Implementation Plans developed in 2014; 2 scheduled for completion in 2015



# NSDI Plan – Executive Champions

| <b>Goal 1 – National Shared Services</b>        |   |
|---|---|
| <b>Objective</b>                                | <b>Executive Champion</b>                 |
| Obj. 1.1 Reference Architecture                 | Dan Cotter (DHS)                          |
| Obj. 1.2 Geo Platform Web-based Services        | Jerry Johnston (DOI)                      |
| Obj. 1.3 Cloud Computing                        | Angela Smith (GSA), Stephen Lowe (USDA)   |
| Obj. 1.4 Acquisition Vehicles                   | Angela Smith (GSA), Stephen Lowe (USDA)   |
| <b>Goal 2 – Accountability &amp; Management</b> |   |
| <b>Objective</b>                                | <b>Executive Champion</b>                 |
| Obj. 2.1 Portfolio Management                   | Adrian Gardner (FEMA)                     |
| Obj. 2.2 Collaborative Investments              | Jerry Johnston (DOI)                      |
| <b>Goal 3 – Convene Leadership</b>              |   |
| <b>Objective</b>                                | <b>Executive Champion</b>                 |
| Obj. 3.1 Standards Development                  | Kevin Hope (NGA), Ivan DeLoatch (FGDC)    |
| Obj. 3.2 Convene Leaders                        | Ivan DeLoatch (FGDC)                      |
| Obj. 3.3 Raise Awareness                        | Kevin Gallagher (USGS), Tim Trainor (DOC) |

# FY 2015 NSDI Implementation Plan

## FY 15 Implementation Plan includes:

### FY 14 Tasks/Targets

- ◆ Updated status reports on FY 14 targets

### FY 15 Tasks/Targets

- ◆ Final targets for FY 15 activities

### FY 16 Draft Tasks/Targets

- ◆ Updated draft FY 16 targets. These targets will be finalized in early FY 16

FY 15 Implementation Plan finalized April 2015 and provided to the FGDC community, the NGAC, and GAO.



## 2014-16 NSDI Strategic Plan

### FY 2015 Implementation Plan

April 29, 2015

Federal Geographic Data Committee  
www.fgdc.gov

| STRATEGIC GOAL 2 – ENSURE ACCOUNTABILITY AND EFFECTIVE DEVELOPMENT AND MANAGEMENT OF FEDERAL GEOSPATIAL RESOURCES  |           |  |                                    |   |             |  |
|--|-----------|--|------------------------------------|---|-------------|--|
| <b>Objective 2.2:</b> Identify potentially duplicative investments and opportunities for collaborative investments   |           |  |                                    |   |             |  |
| <b>Anticipated Outcomes:</b> Additional information is publicly available on geospatial acquisition plans resulting in cost efficiencies and decreased duplication of effort. Enhanced return on geospatial investments through partnerships across Federal and non-Federal sectors. |           |  |                                    |   |             |  |
| <b>Executive Champion:</b> Jerry Johnston (DOI)  |           |  |                                    |   |             |  |
| <b>Resources:</b> DOI, FGDC agency staff resources, Geospatial Platform PMO support  |           |  |                                    |   |             |  |
| <b>Action 2.2.1:</b> Provide guidance and instructions to Federal agencies on use of the Geospatial Platform Marketplace.  |           |  |                                    |   |             |  |
| <b>Action Responsibility:</b> Jerry Johnston (DOI), Geospatial Platform PMO  |           |  |                                    |   |             |  |
| Task   | Timeframe | Dependencies   | Task Responsibility                | Performance Indicators  | Task Status | Comments   |
| 2.2.1.1. Provide FGDC guidance for use of the Marketplace to FGDC member agencies  | FY14 Q3   | None   | Jerry Johnston (DOI)               | Metric: Submittal of guidance to FGDC agencies<br>FY 14 Target: 100% complete                                 | Complete    | Guidance signed by FGDC Chair and distributed to FGDC agencies FY 14 Q2.   |
| 2.2.1.2. Provide draft guidance on use of the Marketplace that each FGDC member can customize for issuance of their own internal policies  | FY14 Q3   | Completion of Task 2.2.1.1   | Jerry Johnston (DOI)               | Metric: Submittal of draft guidance for customization to FGDC agencies<br>FY 14 Target: 100% complete         | Complete    | Draft guidance template for FGDC member customization was attached to the Marketplace Guidance memo.                 |
| <b>Action 2.2.2:</b> Develop process and technology implementation to track use of the Geospatial Platform Marketplace and cost savings/avoidance through its application.   |           |  |                                    |   |             |  |
| <b>Action Responsibility:</b> Jerry Johnston (DOI), Geospatial Platform PMO  |           |  |                                    |   |             |  |
| Task   | Timeframe | Dependencies   | Task Responsibility                | Performance Indicators  | Task Status | Comments   |
| 2.2.2.1. Prototype and/or modify cost savings/avoidance report with ties to data source and collection methodology   | FY15 Q4   | Agencies publish some planned acquisitions / collections to the Marketplace            | Geospatial Platform Technical Team | Metric: Prototype submitted to FGDC Coordination Group for review and feedback<br>FY 15 Target: 100% complete | On Schedule | In testing of portfolio dashboard capabilities. Currently implementing marketplace capabilities for Deviation theme. |
| 2.2.2.2. Implementation of Marketplace performance metrics dashboard on geoplatform.gov  | FY16 Q1   | Adequate funding support for technical development of Geospatial Platform is available | Geospatial Platform Technical Team | Metric: Dashboard available on geoplatform.gov<br>Draft FY 16 Target: 100% complete                           | On Schedule |  |

# FY 2015 NSDI Implementation Plan

## Coordination Group Actions

- FGDC/support staff reviewed FY 15 Implementation Plan and identified Tasks requiring specific actions from Coordination Group/Steering Committee
- May 12 - Reviewed/updated actions and proposed CG roles
- NSDI Plan CG actions to be incorporated into CG workplan



# NSDI Plan – Timeline

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**April 2015** – Completed FY 2015 NSDI Implementation Plan update

- Finalized FY 15 targets

**May/June 2015** – CG WorkPlan

- Reviewed CG actions related to NSDI Implementation Plan
- Incorporate into CG Workplan

**Sept 2015** – FY 15 Status Report

- FGDC will prepare FY 15 Status Report – similar to FY 14 Report
- Report results for FY 15 Tasks/Targets

**FY 16 Q1** – Finalize FY 16 Tasks Targets



# NSDI Plan – Recent Accomplishments

- Completed Geospatial Interoperability Reference Architecture document (Obj 1.1)
- Established/enhanced Geospatial Platform Marketplace (Obj 1.2)
- Established/enhanced A-16 Theme Communities on Geospatial Platform (Obj 1.2)
- Awarded Cloud Services contract (Obj 1.3)
- Executed multiple NGDA implementation actions (Obj 2.1)
- Completed draft Geospatial Investment Definitions (Obj. 2.2)
- Developed draft NSDI/Geospatial Platform Communications Strategy Outline (Obj. 3.3)



# NATIONAL GEOSPATIAL DATA ASSET (NGDA) MANAGEMENT PLAN



# NGDA Management Plan – Completed Actions

◆ **Action 1B.3:** NGDA Dataset nomination/removal process approved by FGDC Steering Committee April 14, 2015

◆ **Action 1D.1:** Develop NGDA Dataset Maturity Annual Assessment Survey and Tool

◆ **Action 1C.2:** Develop A-16 Theme Collaboration Community for Templates and Tools on GeoPlatform.gov



**GEOPLATFORM.gov** fgdc Search

Overview | Data | Maps | Communities/Agencies | Resources | Marketplace | Dashboards | Sign In | Help

## A-16 NGDA Theme Community

Home | NGDA Datasets

### A-16 NGDA THEME COMMUNITY

Lead: Federal Geographic Data Committee (FGDC), Office of the Secretariat  
Lead: Gita Urban-Mathieux (FGDC)





### Resources

- A-16 NGDA
- A-16 Supplemental Guidance
- NGDA Management Plan
- NGDA Datasets, Themes and Theme Leads List
- Maintaining A-16 Roles
- NGDA Dataset Change Process
- NGDA Lifecycle Maturity Assessment Tool
- How to Calculate Maturity

### Overview

The A-16 NGDA Theme Community is a designed place to access information related to A-16 Themes and the Theme implementation process as outlined in the A-16 Supplemental Guidance.

To gain access to Theme Lead Collaboration Community or other internal Communities click the 'Sign In' link on the top right of this page (Note: You must be authorized in Dashboards).

### A-16 NGDA Theme Communities

- Biota
- Cadastral
- Climate and Weather
- Cultural Resources
- Elevation
- Geodetic Control
- Geology
- Governmental Units, and Administrative and Statistical Boundaries

### A-16 NGDA Theme Community

Community Type: Work Group  
Sponsor: Federal Geographic Data Committee (FGDC), Office of the Secretariat  
Sponsor Email: burbanma@usgs.gov

You must register or login in order to subscribe to this community.

# NGDA Dataset Registration Changes

- ◆ Dataset list refined during the registration process
  - Duplicate sources resolved, project/limited use data removed, important data added/reorganized
  - Changes prior to April 2015 add/remove process approved
- ◆ Reflects hard work by the agencies to validate and resolve data source, hosting, and content issues
- ◆ Supports the goal of refining the Federal holdings of national geospatial data assets

|                                |   |
|--------------------------------|---|
| Total NGDAs September 16, 2014 | 188                                       |
| NGDAs Added                    | + 2                                       |
| NGDAs Removed                  | - 1                                       |
| NGDAs Duplicates Removed       | - 1                                       |
| NGDAs Reorganized              | - 9<br>(17 NGDA reorganized into 8 NGDAs) |
| Total NGDAs June 4, 2015       | 179                                       |

# NGDA Management Plan – Ongoing Actions

- ◆ **Action 1B.2:** Theme Leads and Dataset Managers registering NGDA Datasets in GeoPlatform.gov/Data.gov catalog -
  - NGDA MP Due date - March 31, 2015 ~ 80% complete
  - Project 100% complete by June 30, 2015 (except for on-hold datasets)
  - Some technical issues are being resolved
  - **Outcome:** Improved access to data to support Agency missions
  - **SC Action:** Continue to ensure your agency's nationally important geospatial data are added/included.

## NGDA Dataset Registration in GeoPlatform.gov/Data.gov Catalog

| NGDA Registration Status | Totals | Percentage as of May 27, 2015 |
|--------------------------|--------|-------------------------------|
| Total NGDA               | 179    |                               |
| Complete                 | 164    | 92%*                          |
| In Progress              | 9      | 5%                            |
| Pending                  | 6      | 3%                            |



\* 95% NGDA Metadata Registration complete when not counting NGDAs "On Hold"

# NGDA Dataset Registration in GeoPlatform.gov/Data.gov Catalog

| Theme   | NGDA Total | NGDA Complete | NGDA in Progress | Not started | On Hold  | Percent Complete (including NGDAs on hold) |
|---|------------|---------------|------------------|-------------|----------|--|
| Biota   | 7          | 7             | 0                | 0           | 0        | 100%                                       |
| Cadastre  | 20         | 13            | 5                | 0           | 2        | 75%  |
| Climate and Weather   | 5          | 5             | 0                | 0           | 0        | 100%                                       |
| Cultural Resources  | 4          | 3             | 0                | 0           | 1        | 100%                                       |
| Elevation   | 10         | 10            | 0                | 0           | 0        | 100%                                       |
| Geodetic Control  | 4          | 4             | 0                | 0           | 0        | 100%                                       |
| Geology   | 6          | 5             | 0                | 0           | 1        | 100%                                       |
| Governmental Units, and Administrative and Statistical Boundaries | 41         | 39            | 0                | 0           | 2        | 100%                                       |
| Imagery   | 9          | 6             | 3                | 0           | 0        | 67%  |
| Land Use - Land Cover   | 14         | 14            | 0                | 0           | 0        | 100%                                       |
| Real Property   | 15         | 15            | 0                | 0           | 0        | 100%                                       |
| Soils   | 5          | 4             | 1                | 0           | 0        | 80%  |
| Transportation  | 16         | 16            | 0                | 0           | 0        | 100%                                       |
| Utilities   | 2          | 2             | 0                | 0           | 0        | 100%                                       |
| Water - Inland  | 5          | 5             | 0                | 0           | 0        | 100%                                       |
| Water - Oceans and Coasts   | 16         | 16            | 0                | 0           | 0        | 100%                                       |
| <b>Total</b>  | <b>179</b> | <b>164</b>    | <b>9</b>         | <b>0</b>    | <b>6</b> |  |
| Percentages-May 29, 2015  |            | 92%           | 5%               | 0%          | 3%       |  |

# NGDA Management Plan – Ongoing Actions

- ◆ **Action 1D.4:** Theme Strategic Plan Template – Due June 30, 2015
  - Template in review by Theme Leads
  - **Outcome:** standardized annual Strategic Theme Plans to facilitate management of the A–16 NGDA Portfolio
  - **Pending SC Action:** Review of Plan Template
  
- ◆ **Action 2A.1:** Baseline Dataset Assessment Survey
  - NGDA MP Due September 30, 2015 (revised from June 30, 2015)
  - Beta testing of automated tool several Dataset Managers complete
  - Training materials in development
  - Implementation to begin in mid-June
  - **Outcome:** Transparent A–16 NGDA Portfolio Management to prioritize and target NGDA investments
  - **SC Action:** Encourage the survey completion for agency dataset(s)



# NGDA Management Plan – Ongoing Actions

- ◆ **Action 1E.1:** Geospatial investment definitions and budget report codes
  - Interagency Team revised 2006 Geospatial Investment Definitions document and completing appendices
  - FGDC ExCom review of Definitions document due June 5
  - **Outcome:** Improved reporting on geospatial data investments to enhance budget planning and execution by providing consistent definition and coding
  - **Pending SC Action:** Review and approval of definitions and codes



# NGDA Management Plan – Pending Actions

## ◆ **Action 1D.2:** Develop NGDA Dataset Report Template and Tool

- NGDA MP Due June 30, 2015 (revised date from Dec 31, 2014)
- Pending results from baseline assessment tool data population
- **Outcome:** Consistent NGDA Dataset reporting to manage A-16 NGDA Portfolio
- **Pending SC Action:** Review content of template and tool

## ◆ **Action 1D.3:** Finalize Theme Administrative Maturity Assessment Questions

- NGDA MP Due September 30, 2015 (revised date from June 30, 2015)
- Initial draft in work
- On hold until baseline dataset assessment is underway
- **Outcome:** Improved support for Federal Agency, partner, and stakeholder missions through improved NGDA Theme management
- **Pending SC Action:** Review questions

# NGDA Management – Pending Actions

## ◆ **Action 1D.6** – Develop NGDA Services/Applications Investment Report Template, Tool, and Report

- NGDA MP start date – April 1, 2015
- NGDA MP due date - March 31, 2016
- On hold until geospatial investment definitions and budget report codes completed
- **Outcome:** Help identify key service and application investments within the Portfolio, enabling Federal agency, partner, and stakeholder missions to leverage service and application investments
- **SC Action:** Nominate an appropriate group of agency representatives to determine how to apply the budget coding into a portfolio management investment report
- **Pending SC Action:** Review and comment on template, tool, and report



# NGDA Data Themes and Framework

- ◆ Framework Data: Seven themes of geospatial data that are used by most GIS applications

Geodetic Control  
Orthoimagery  
Elevation and Bathymetry  
Transportation

Hydrography  
Cadastral  
Governmental Units  
*- per OMB Circular A-16*

- ◆ FGDC OS will do a comparison on the alignment of Framework themes to NGDA Themes
- ◆ NGDA Data Themes list will be annotated to identify which of the 16 themes aligns with the Framework Themes – similar to A-16 Appendix E



# FGDC Strategic Actions – 2015-16

- ◆ Current plan covers activities projected for execution in FY 2014 – FY 2016
- ◆ Now at the ½ way time point
- ◆ In 2016, planning for the next set of NSDI Strategic Plan tasks will begin

## Items to Consider

- ◆ What are the next set of NSDI tasks?
- ◆ What key actions should the FGDC focus on completing over the next 18 months?



# QUESTIONS?

(Supplemental slides follow)



# NGDA Datasets that **need to be registered** in [Data.gov/Geoplatform.gov](http://Data.gov/Geoplatform.gov) catalog, May 29, 2015

| Agency    | Theme    | Theme Lead(s)                                | NGDA Dataset  | Status Notes   |
|-----------|----------|--|---|--|
| DOI-BLM   | Cadastre | Don Buhler                                   | BLM's Public Land Survey System Dataset (PLSS)  | Dataset Manager is working creating collection level metadata record |
|           |          |  | General Land Office Dataset of Scanned Authoritative Documents Related to Ownership of Federal Parcels of Lands | BLM considering removing from NGDA Inventory                         |
| DOI-BOEM  | Cadastre | Don Buhler                                   | Outer Continental Shelf Active Renewable Energy Leases  | Dataset Manager is updating metadata record                          |
|           |          |  | Outer Continental Shelf Block Aliquots  |  |
| NASA      | Imagery  | Bob Pierce (Co-Lead), Shirley Hall (Co-Lead) | Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER)  | Metadata being updated and will be registered by end of June         |
|           |          |  | Moderate Resolution Imaging Spectroradiometer (MODIS) - Aqua  |  |
|           |          |  | Moderate Resolution Imaging Spectroradiometer (MODIS) - Terra   |  |
| USDA-NRCS | Soils    | Dave Hoover                                  | National Cooperative Soil Characterization Database   | USDA Data.gov contact solving technical issue                        |
| USDA-USFS | Cadastre | Don Buhler                                   | FS National Forests Dataset (US Forest Service Proclaimed Forests)  |  |

# NGDA Datasets **on hold** for registration in [Data.gov/Geoplatform.gov](http://Data.gov/Geoplatform.gov) catalog, May 27, 2015

| Agency     | Theme              | Theme Lead(s)                               | NGDA Dataset   | Status Notes   |
|------------|--------------------|---|--|--|
| DHS-FEMA   | Cultural Resources | Deidre McCarthy                             | National Monuments/Icons Dataset                             | Dataset under consideration for removal  |
| DOC-Census | Governmental Units | Lynda Liptrap                               | Census Bureau Regional Office Boundaries                     | Dataset under construction   |
| DOD-ATL    | Cadastre           | Don Buhler                                  | Department of Defense Land Parcels and Sites                 | Dataset under construction, due to resource limitations it will take several years |
| DOD-USACE  | Cadastre           | Don Buhler                                  | Army Corps of Engineers Lands                                | Dataset under construction   |
| DOI-BOEM   | Geology            | Dave Soller (Co-Lead), Kumkum Ray (Co-Lead) | Federal Outer Continental Shelf Sand and Gravel Borrow Areas | Dataset under construction   |
| DOS-IBC    | Governmental Units | Lynda Liptrap                               | US Canadian Boundary   | Dataset under construction   |

# NGDA MP Tasks for Steering Committee

| Action from the NGDA Management Plan  | Start Date | Complete Date | Task   | Status           |
|---|------------|---------------|--|------------------|
| Action 1B.3: Develop an Approval Process for Nomination/Removal of NGDA Datasets within the A-16 NGDA Portfolio | FY14 Q3    | FY15 Q2       | FGDC Steering Committee approval vote  | complete 4/14/15 |
| Action 1D.2: Develop NGDA Dataset Report Template and Tool  | FY14 Q3    | FY15 Q3*      | FGDC Steering Committee review and comment - Does report meet their needs?   |                  |
| Action 1D.3: Develop NGDA Theme Administrative Maturity Assessment Survey and Tool                              | FY14 Q1    | FY15 Q4*      | Inform FGDC Steering Committee   |                  |
| Action 1D.4: Develop Support Theme Strategic Plan Template and Tool   | FY14 Q4    | FY15 Q3*      | Inform FGDC Steering Committee   |                  |
| Action 1D.5: Develop Annual Theme Report Template and Tool  | FY14 Q4    | FY15 Q3       | FGDC Steering Committee review and comment - Does report meet their needs?   |                  |
| Action 1D.7: Develop NGDA Portfolio Summary Report Template and Tool  | FY15 Q3    | FY16 Q3       | Develop NGDA Portfolio Summary Report template   |                  |
|   | FY15 Q3    | FY16 Q3       | FGDC Steering Committee review and comment - Does report meet their needs?   |                  |
|   | FY15 Q3    | FY16 Q3       | NGDA Portfolio Summary Report tool tested and accepted   |                  |
| Action 1E.1: Review/Revise the Definition of Geospatial Investment and Budget Reporting Codes                   | FY14 Q3    | FY15 Q3*      | Establish a chartered interagency team to develop a standard definition  | Complete 9/19/14 |
|   | FY14 Q3    | FY15 Q3*      | Share revised Geo Investment Document with Steering Committee  |                  |
|   | FY14 Q3    | FY15 Q3*      | Geo Investment Document voted on by Steering Committee   |                  |
|   | FY14 Q3    | FY15 Q3*      | Finalize for acceptance and implementation by Federal Agencies - Standard definition of a Geospatial Investment and budget reporting codes completed |                  |

# NGDA MP Tasks for Steering Committee

| Action from the NGDA Management Plan  | Start Date | Complete Date | Task   | Status |
|---|------------|---------------|--|--------|
| Action 2D.4: Compile NGDA Theme Reports into A-16 Portfolio Summary   | FY16 Q4    | FY17 Q3       | Establish requirements for A-16 NGDA Portfolio Summary   |        |
| Action 2E.1: Develop the A-16 NGDA Portfolio-level Processes, Reporting Requirements, and Roles and Responsibility Requirements for Federal Geospatial Portfolio Management | FY14 Q3    | FY15 Q4       | Identified integration points with existing OMB and agency budget and investment reporting processes and timelines |        |
|   | FY14 Q3    | FY15 Q4       | Established portfolio summary reporting requirements   |        |
|   | FY14 Q3    | FY15 Q4       | Agree to implementation plan   |        |
| Action 2E.2: Develop a Process for Federal Agencies to Identify Resources Required for Managing Geospatial Data Beyond Their Agency's Mission                               | FY15 Q1    | FY16 Q4       | Mechanism established to share financial and personnel requirements  |        |
|   | FY15 Q1    | FY16 Q4       | Process defined that supports NGDA Dataset requirements across Theme Lead Agency(s)                                |        |

