

NSDI Strategic Planning Process



FGDC Coordination Group Meeting
September 13, 2016

NSDI Strategic Plan – Current Status

❖ Current NSDI plan goes through 2016

- Time to collaboratively develop the next plan
- Time to assess value gained, recognize accomplishments, adjust actions where needed, consider new factors

❖ Administration will change next year

- Regardless of who is in office, some of the priority focus areas will change
- Developing Strategic Plan Framework will provide information and recommendations on strategic geospatial initiatives and their value to the nation

❖ 2017 NSDI Strategic Planning Process:

- Phase 1: Development of Draft 2017 NSDI Strategic Plan Framework (Dec. 2016)
- Phase 2: Completion of Final 2017 NSDI Strategic Plan (FY 2017)

Where We've Been – 2014-2016 NSDI Strategic Plan

Current Strategic Plan includes:

- Shared National Vision
- Strategic Goals, Objectives, and Actions
- Roles & Responsibilities
- Guiding Principles
- Implementation Approach



Implementation Highlights

- ❖ **Geospatial Interoperable Reference Architecture (GIRA)**
 - Governance framework & technical architecture guidance
- ❖ **GeoPlatform.gov**
 - Enhanced communities, Wiki for data standards collaboration, updated Marketplace function, GeoCloud deployment of key public-facing geospatial Web services
- ❖ **NGDA Portfolio Management**
 - Registration of NGDA Datasets in catalog, completion of the baseline NGDA Dataset Lifecycle Maturity Assessments
- ❖ **Standards**
 - FGDC endorsement of five additional standards, implementation of ISO metadata standards
- ❖ **International Activities**
 - FGDC Global Geospatial Information Management (GGIM) Working Group



GeoPlatform.gov NGDA query result.

Where We're Going – 2017 NSDI Planning Process

❖ Purpose

- Develop an updated strategic framework to improve the coordination and management of the Nation's geospatial assets and guide the further development of the NSDI

❖ Approach

- Engage the Federal and national geospatial communities through focused workshops and meetings, discussions at professional conferences, and meetings with industry leaders.
- Assess the effectiveness of the current NSDI strategic plan and the National Geospatial Data Asset (NGDA) Management Plan
- Identify strategic opportunities, informed by the geospatial community, to promote NSDI sustainability and continuity

NSDI Strategic Framework – Timeline

Timeframe	Activity	Status
Jan – Feb 2016	Strategic Planning Process (Phase 1) – Project Start-up	Complete
March 22*	Federal Workshop – Strategic direction & assessment	Complete
March 30	Compile summary of Federal input	Complete
April 6 – 7*	NGAC Public Meeting – Solicit input on direction; assessment of current NSDI plan	Complete
April 8*	FGDC Steering Committee Meeting – status report	Complete
May*	NGAC NSDI Work Group – compile summary of NGAC feedback	Complete
June 14 – 15*	NGAC Public Meeting – discussion on priorities, approach & transition	Complete
June 16	FGDC Steering Committee Meeting – status report	Complete
June*	Outreach to agencies, partners & stakeholders – Briefing & discussion with COGO Board	Complete
July*	Outreach to organizations & stakeholders – NSDI vision & priorities <ul style="list-style-type: none"> • NSDI Leaders Forum 1 (July 26) 	Complete
August - October*	Outreach to organizations, key stakeholders, & leaders <ul style="list-style-type: none"> • Interviews/Focus Groups (Tribal reps, former NGAC members, HIFLD, etc.) • Web/Social Media • Sessions at Professional Conferences & Organizations • National Geospatial Preparedness Summit (Sept 14) 	In Progress
September 13*	FGDC Coordination Group – Discuss NSDI Priorities	Scheduled
September 22*	FGDC Executive Committee – Discuss NSDI Priorities	Scheduled
September 27-28*	NGAC Public Meeting (Shepherdstown) – Discuss NSDI Priorities	Scheduled
September 29*	FGDC Steering Committee Meeting – Discuss NSDI Priorities	Scheduled
October*	Leaders Forum 2	
October	Develop Initial Strategic Plan Framework (v1)	
November*	FGDC/Partner Review of Strategic Plan Framework	
November	Revise Strategic Framework based on feedback from Leaders Forum & Review (v2)	
December (TBD)*	NGAC Webinar Meeting – consideration/endorsement of NSDI Strategic Plan Framework	
December (TBD)*	FGDC Steering Committee Meeting – approval of NSDI Strategic Plan Framework	
January 2017 to TBD	Continue Strategic Planning Process – Phase 2 <ul style="list-style-type: none"> • Coordinate with new Administration • Develop Final 2017 NSDI Strategic Plan (based on NSDI Strategic Framework) 	

*Opportunities for FGDC/partner input

NSDI Strategic Planning Feedback Sources

Feedback Source	Date
COGO Report Card and FGDC Briefing to COGO	2/6/2015; 6/28/2016
Theme Lead Discussion Forum (Esri FedGIS)	2/25/2016
NSDI Strategic Plan – Federal Workshop	3/22/2016
NGAC Meeting – NSDI Strategic Framework	4/6-7/2016
NGAC NSDI Working Group	5/13/2016
NGAC Meeting – NSDI Strategic Plan WG Report	6/14-15/2016
NGAC NGDA MP Working Group Report	June 2016
NSDI Leaders Forum	7/26/2016
NGAC Meeting – NSDI Strategic Framework	6/15/2016
Tribal Focus Group	8/18/2016
NGDA Evaluation Report (Draft)	In progress
NGAC Emerging Technologies Subcommittee	In progress
NGAC Policy Framework Subcommittee	In progress
Other Focus Groups	In progress

2017 NSDI Strategic Planning Process

❖ Components include:

- NGAC Subcommittee inputs
- Feedback on current NSDI Strategic Plan
- Scope of Plan
- Vision and Desired Future State
- Value and Benefits
- Roles and Responsibilities
- Policy and Governance
- Priorities and Opportunities

2017 NSDI Strategic Planning Process

National Geospatial Advisory Committee Inputs

❖ NSDI Evaluation Work Group

- **Task:** Assess the effectiveness and impact of the current NSDI strategic plan.

❖ NGDA Evaluation Work Group

- **Task:** Provide high-level feedback on the FGDC's National Geospatial Data Asset/portfolio management process.

❖ Emerging Technologies Subcommittee

- **Task:** Provide perspectives and advice on how new technologies will impact the geospatial community and how they might be reflected in the NSDI strategic plan.

❖ Policy Framework Subcommittee

- **Task:** Provide 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

NSDI Strategic Plan Feedback Summary

Current NSDI Strategic Plan

- Includes a national vision but currently has a federal focus
- Promoted key initiatives, including:
 - Geospatial Platform
 - Geospatial Interoperability Reference Model (GIRA)
 - National Geospatial Data Asset (NGDA) portfolio management
- Opened internal agency communications, helped to identify a community of practitioners, and raised level of visibility/awareness of significant datasets
- Did not include communication plan/tools (e.g., social media) and outreach roadmap
- Established the NGDA process and baseline but did not increase funding or resources for department, staff, or NGDA Datasets

NSDI Strategic Plan Feedback Summary

Scope of Plan

- Expand on the “national” element of the plan to be more inclusive of non-federal partners and stakeholders
- Incorporate goals for emerging domains such as cyber infrastructure protection and geospatial privacy
- Increase communication and outreach, including new branding and messaging, to better engage the partners and the general public
- Continue to expand GeoPlatform.gov capabilities and promote their value to the community
- Define the future state, value proposition, and related performance measures, and communicate value and benefits

NSDI Strategic Plan Feedback Summary

Vision and Desired Future State

- Emphasize a “National” vision for the NSDI
- Raise level of visibility/awareness of significant datasets (e.g., framework data) and consider a “tiered” approach
- Expand communication and outreach, and promote value and benefits to the community and the public
- Incentivize and promote partnerships and participation by non-federal and non-governmental entities
- Incorporate emerging technologies, related standards, and best practices
- Recognize NGDAs as investments in national infrastructure, and enhance portfolio management tools, resources, & processes

NSDI Strategic Plan Feedback Summary

Value and Benefits

- Recognize NSDI and NGDAs as critical digital infrastructure for the nation.
- GeoPlatform.gov provides tools and opportunities for collaboration, data discovery, and effective management of geospatial assets
- NGDA portfolio management process increases discoverability of datasets, reduces time-consuming requests for data, and contributes to greater understanding and better decision making
- NSDI implementation enhances communication and collaboration around national geospatial topics and assets across federal and non-federal users and participants
- A-16 NGDA Portfolio management tools and processes can serve as a model for non-federal assets and organizations

NSDI Strategic Plan Feedback Summary

Roles and Responsibilities

- Define roles and responsibilities of Federal and non-Federal participants to expand on the National NSDI vision
- Consider what non-Federal partners can contribute to advancing the NSDI (i.e. value-added data, expertise, investment, applications, technology, etc.)
- Focus greater emphasis on the role of the private sector in the NSDI, and build and sustain public/private partnerships
- Revisit roles and responsibilities related to NGDA portfolio management and provide related human resources guidance for use in agency staffing plans

NSDI Strategic Plan Feedback Summary

Policy and Governance

- OMB Circular A-16, last updated in 2002, does not adequately address the current geospatial landscape and should be revised and modernized.
- The new Administration should consider issuing a new Executive Order to replace and update Executive Order 12906. A new Executive Order could complement the updated Circular A-16, describe an updated governance process, and describe agency implementation actions and responsibilities.
- The new Administration should consider working with Congress to enact legislation codifying the requirements of Circular A-16 and providing statutory authority for the development and maintenance of the NSDI and the supporting activities of the FGDC.
- Resources and budgeting processes should be aligned with governance model.

NSDI Strategic Plan Feedback Summary

Opportunities

- Expand Geospatial Platform shared services/interoperability capabilities
- Build/expand key NGDA datasets in collaboration with partners (e.g., Framework Themes, Addresses, Transportation, etc.)
- Improve management of geospatial data assets through further implementation & enhancement of the NGDA portfolio management process
- Update and modernize the geospatial policy and governance framework to address dramatic changes in the geospatial technology landscape
- Work with partners to improve communication and outreach regarding the benefits, opportunities, and utility of the NSDI

Discussion Topic 1

Reaction to the Feedback

- What is your reaction to the feedback so far?
- Does it resonate with you?
- What's missing?

Discussion Topic 2

Policy Framework

- In regard to the NSDI Policy Framework (OMB Circular A-16), how might it be updated to reflect changes in technology, organizational capabilities, and the evolution of the geospatial community?
- What needs to change?

Discussion Topic 3

Opportunities & Priorities

- From your perspective, what are the key opportunities or priority areas to accelerate the development of the NSDI?
- What should the community focus on?