



NSDI



The Role of Policy and Programs in Advancing Geospatial Capabilities for Place-Based Understanding

*GeoBuiz Summit
August 9, 2015*



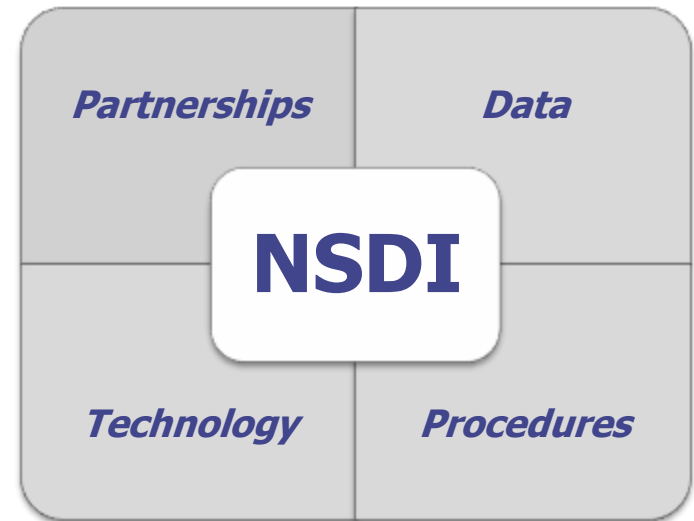
Background on the NSDI & FGDC

National Spatial Data Infrastructure (NSDI)

The **NSDI** provides the **technology, policies, standards, and human resources** necessary to acquire, process, store, distribute, and improve utilization of geospatial data.

Federal Geographic Data Committee (FGDC)

The **FGDC** provides leadership and facilitates coordination between agencies, governments, academia, industry and professional organizations in developing geographic information and technology critical to the Nation.





About Us:

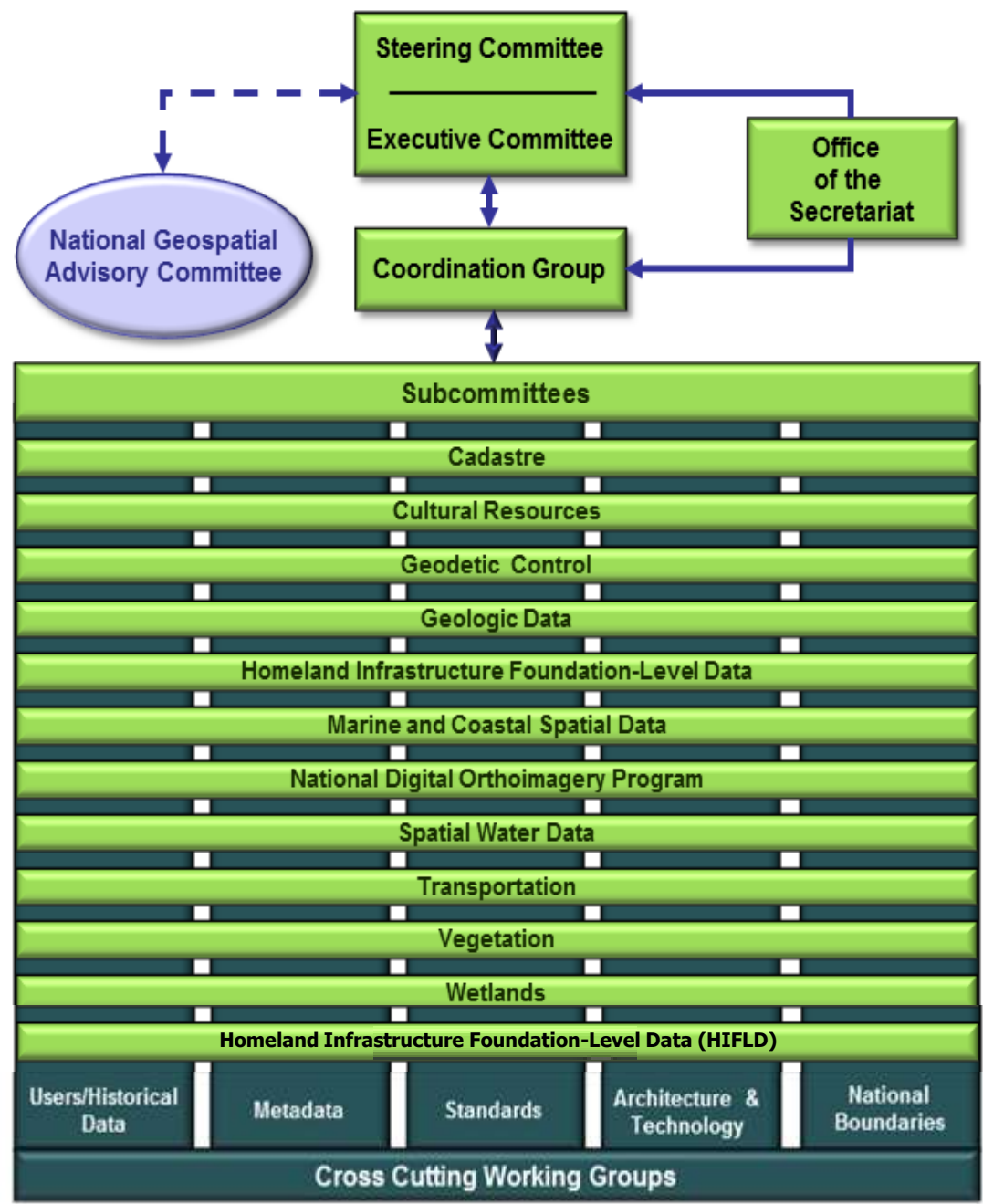
The Federal Geographic Data Committee (FGDC) is an interagency committee promoting the coordinated development, use, sharing, and dissemination of geospatial data on a national basis



Organized under OMB Circular A-16



Chaired by DOI Secretary, Vice-Chaired by OMB Deputy Director for Management



Recent FGDC & NSDI Activities



EO 12333 as Amended



DATA.GOV



GeoPlatform Call to Action



Launch of GeoPlatform



Business Plan



GeoPlatform v2.0

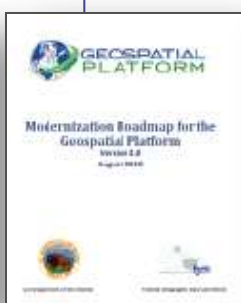
Today



NGAC Established



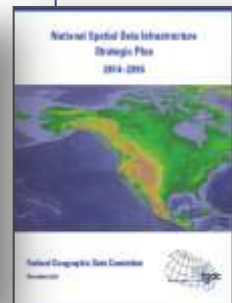
A-16 Supplemental Guidance Released



GeoPlatform Roadmap & Value Proposition



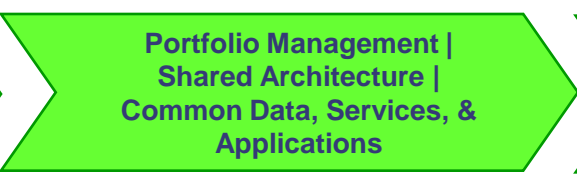
GAO Report



NSDI Strategic Plan 2014 - 2016



NGDA Management Plan





A Shared Vision for the NSDI & Working Towards Achieving Our Common Goals

NSDI Strategic Plan (2014-2016)

The FGDC worked with partners and stakeholders collaboratively define a shared national vision that describes the value of the National Spatial Data Infrastructure (NSDI).

Three Overarching Strategic Goals

- I. Develop Capabilities for National Shared Services
- II. Ensure Accountability & Effective Development & Management of Federal Geospatial Resources
- III. Convene Leadership of the National Geospatial Community





NSDI Strategic Plan – Built through Outreach and Collaboration

Federal Input

- NSDI Strategic Visioning Workshop with key Federal geospatial leaders and managers
- Draft plan discussed & refined at multiple meetings of FGDC Steering Committee, Executive Committee, and Coordination Group

National Geospatial Advisory Committee

NGAC provided extensive input, including advice on:

- Shared vision of the NSDI
- Current and future role of the Federal government
- Key external factors and trends

NSDI Leaders Forums

- Series of meetings with leaders of key geospatial organizations and professional associations
- Purpose - Input and dialogue with key partner organizations on development of strategic plan, role of partners, and suggestions for improvements





Goal 1: Developing Capabilities for National Shared Services

Geospatial Platform (GEOPLATFORM.gov)

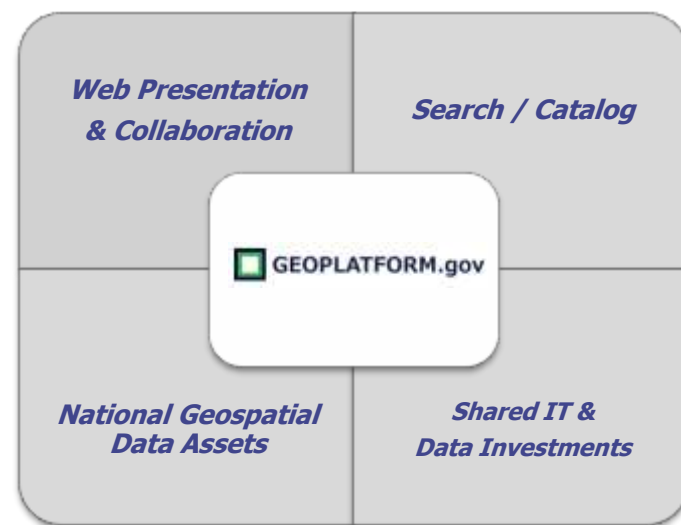
The Geospatial Platform provides shared and trusted geospatial data, services, and applications for use by the public and by government agencies and partners to meet their mission needs

Supports Open Data Initiatives

Stimulates government-to-citizen communication

Integrates seamlessly with  DATA.GOV

Provides shared applications and open data of trusted or known origin to foster transparency and provide access to National Geospatial Data Assets





Goal 1: Developing Capabilities for National Shared Services (cont'd...)

Geospatial Interoperability Reference Architecture (GIRA)

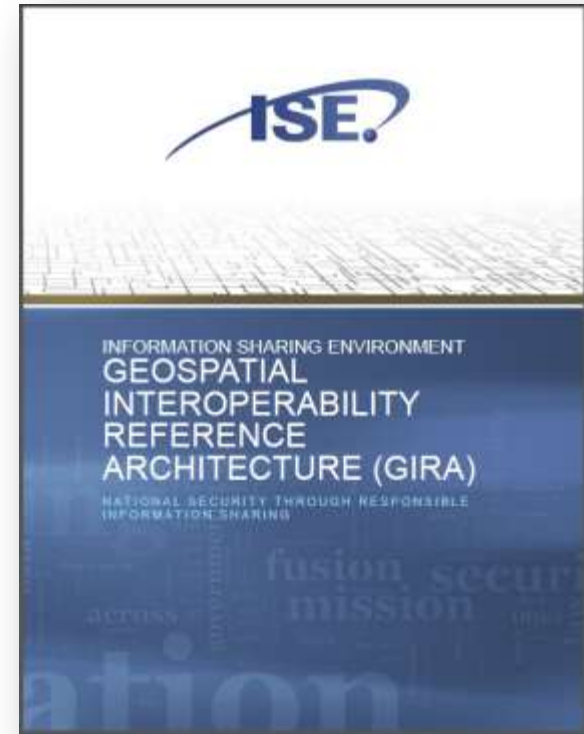
Led by DHS to deliver a joint, interoperable geospatial reference architecture for inclusion in the ISE-Enterprise Architecture Framework that can be used as a guide for Federal geospatial systems and investments

Background & Purpose

The GIRA is intended to document geospatial and architecture policy alignment, reference authoritative practices, and provide practical guidance tools including templates, charters, exchange agreements, baseline requirements matrices, and architecture artifacts

About to Become a “Community” Resource

Efforts are presently underway to begin sharing the content of the GIRA in a “living way” on the GeoPlatform





Goal 2: Development & Management of Geospatial Resources to Support Enhanced Data Sharing & Use

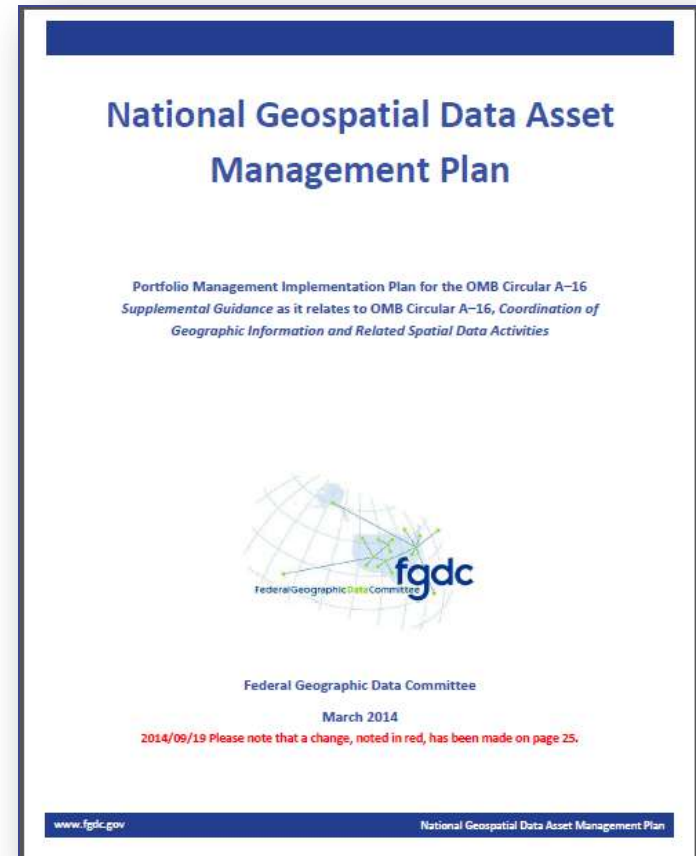
Portfolio Management

FGDC is developing effective and consistent portfolio management approaches to increase the quality of National Geospatial Data Asset (NGDA) data through lifecycle best practices in a manner that:

- Minimizes cost and duplication
- Provides visibility into the status and accessibility of national data sets
- Creates an ecosystem of shared and uniform data management practices

Outcomes

- Identify areas for collaborative investment in NGDA development
- Currently, 16 NGDA Themes are the organizational constructs under which datasets are grouped and managed





Goal 3: Convening Leadership of the National Geospatial Community

Participation in Standards Development

The FGDC develops geospatial data standards for implementing the NSDI, in consultation and cooperation with State, local, territorial, and Tribal governments, the private sector, and academia. The FGDC develops geospatial data standards only when no equivalent voluntary consensus standards exist. (see OMB Circular A-119).

Working Together to Strengthen Interoperability

The FGDC Standards Working Group continues its leadership and participation in the development and coordination of national and international standards applicable to the geospatial community. Maintains close working ties with:

- Geospatial Intelligence Standards Working Group
- Open Geospatial Consortium
- Other national & international standards bodies





Goal 3: Convening Leadership of the National Geospatial Community (cont'd...)

Collaborating with the **National Geospatial Advisory Committee** (NGAC) to seek advice and recommendations on critical and emerging geospatial policy and management issues

Current Topics - The NGAC is currently reviewing the following study topics:

- Crowdsourced geospatial data
- Geospatial privacy
- 3D Elevation Program
- NSDI communications & outreach
- Landsat

Next NGAC Meeting – Sept 1-2, 2015, Shepherdstown, WV





Goal 3: Convening Leadership of the National Geospatial Community (cont'd...)

Expanding communication and outreach activities

- Actively building a **Communications and Outreach Strategy** to help articulate and advocate the benefits, value, and capabilities of the NSDI and its component activities
- Engaging partner organizations, developers, and other new stakeholders that are key to further advancement of the NSDI
- Providing information on the future of Geospatial capabilities and why they are important
- Encouraging collaboration among public and private organizations to support understanding, improve mission efficiency and decision making
- Providing a “roadmap” for building and leveraging communication opportunities and channels





NSDI Strategic Plan – Recent Accomplishments

Goal 1 – Shared Services

- Completed Geospatial Interoperability Reference Architecture (GIRA)
- Established/enhanced Geospatial Platform Marketplace
- Established/enhanced A-16 Theme Communities on Geospatial Platform
- Awarded Cloud Services contract

Goal 2 – Accountability & Effective Management

- Multiple NGDA (authoritative data sets) implementation actions
- Completed draft Geospatial Investment Definitions

Goal 3 – Convene Leadership

- Actively building a communications and outreach strategy to help articulate and advocate the benefits, value, and capabilities of the NSDI and its component activities



What's Coming Next...

NSDI Strategic Plan

- Current NSDI Strategic Plan runs through 2016
- FGDC & NGAC will begin organizing in 2016 to update Strategic Plan
- Will keep geospatial community & partners updated & engaged in process

Transition

- FGDC & NGAC will also develop transition briefing papers, options, etc. in 2016 in preparation for new Administration in 2017





Thank You for Your Attention!