



NSDI



The National Spatial Data Infrastructure and Opportunities for Partnerships

*GeoBuiz Summit
August 10, 2015
North Bethesda, Maryland*



Presentation Overview

- Background
- Past Examples of Partnerships
- Current Collaboration Mechanisms
- The NDSI Strategic Plan
- Potential Opportunities for New Partnerships
- Value Proposition for the NDSI



Background on the NSDI & FGDC

National Spatial Data Infrastructure (NSDI)

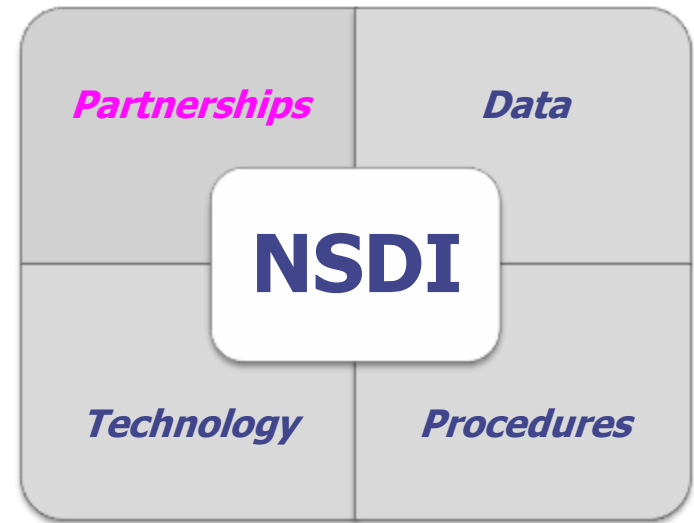
The **NSDI** provides the **technology, policies, standards,** and **human resources** necessary to acquire, process, store, distribute, and improve utilization of geospatial data.

Executive Order 12906 (1994)

...develop in cooperation with State, local, and tribal governments, and the private sector, to support public and private sector applications of geospatial data...

Federal Geographic Data Committee (FGDC)

The **FGDC** provides leadership and facilitates coordination between agencies, governments, academia, industry and professional organizations...





About Us:

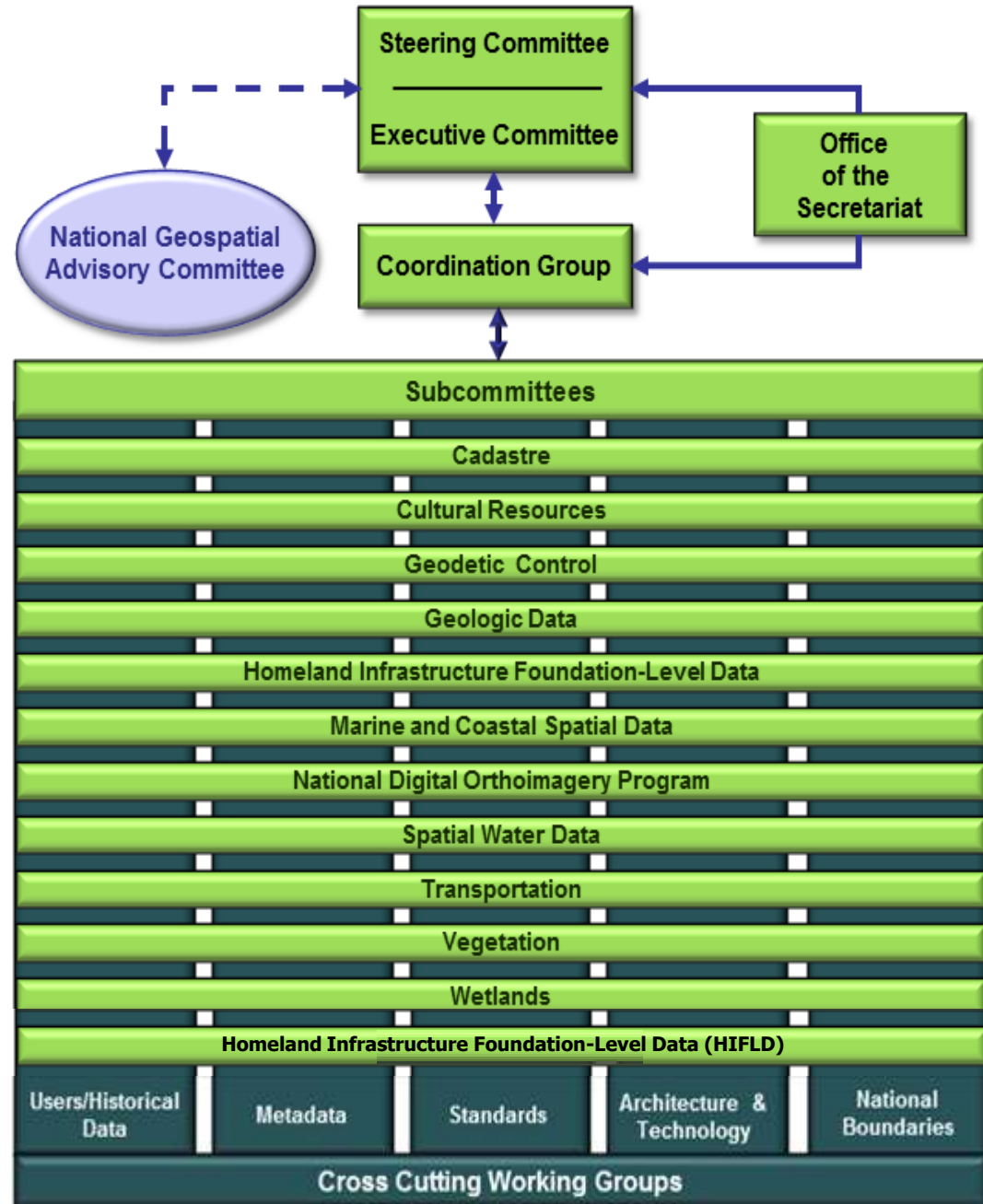
The Federal Geographic Data Committee (FGDC) is an interagency committee promoting the coordinated development, use, sharing, and dissemination of geospatial data on a national basis



Organized under OMB Circular A-16

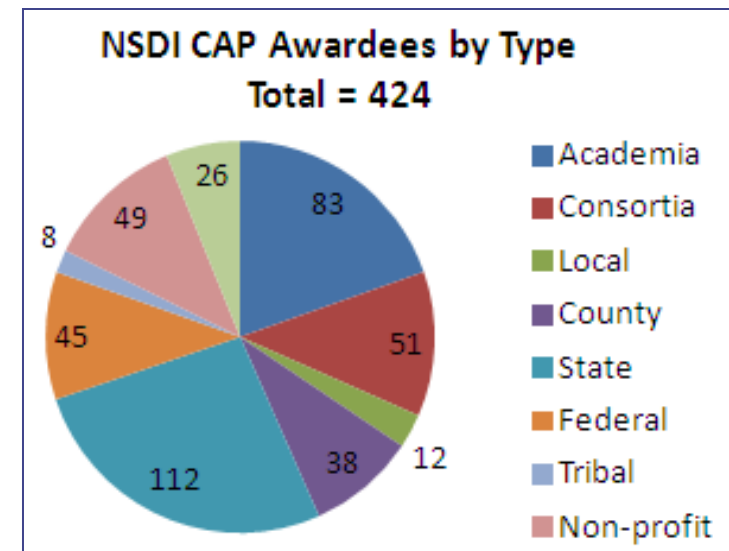
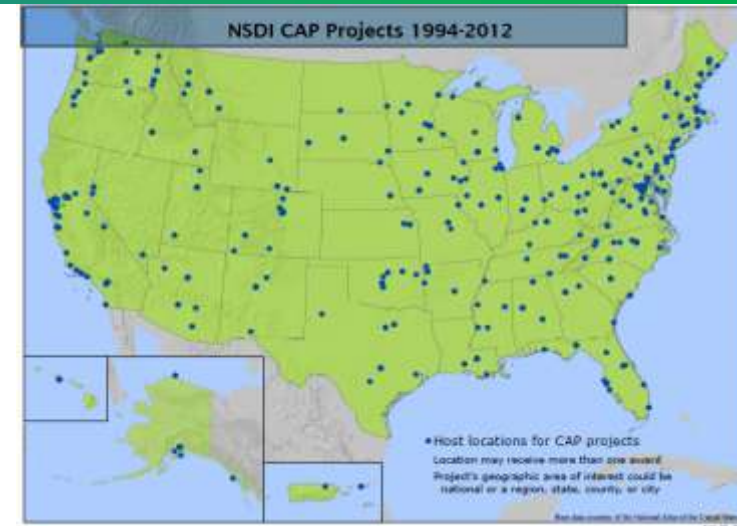


Chaired by DOI Secretary, Vice-Chaired by OMB Deputy Director for Management



NSDI Cooperative Agreements Program (CAP)

- ◆ Since 1994, 707 awards representing over \$22 million in Federal funding.
- ◆ Matched by over \$14 million in funding from State, county, local, and tribal government academia, professional consortiums, non-profit, and private sector organizations.
- ◆ Truly national in scope, cooperative agreements were executed by all 50 States, 2 territories, the District of Columbia, 8 tribal governments, and universities in 38 States.
- ◆ Foundational categories were consistently available: standards development, implementation, education, and outreach; metadata, data clearinghouses; and data services.
- ◆ Over 2,600 persons have been trained in metadata alone; all CAP developed training materials are available online, to all.



NSDI Fifty States Initiative

- ◆ The Fifty States Initiative was jointly undertaken in a spirit of collaboration between FGDC and the National States Geographic Information Council (NSGIC).
- ◆ Objective was to develop Strategic and Business Plans in support of the NSDI Future Directions Strategic Plan to facilitate the coordination of programs, policies, technologies, and resources at the state and local levels of geospatial information.
- ◆ FGDC awarded approximately \$2,746,000 to 59 recipients. When the 50% match from grant recipients is added, the total investment has been over \$4,119,000, nationally; and this does not include the value of the time and effort contributed by participants in the hundreds of stakeholder workshops, interviews, and surveys conducted around the country.



National Geospatial Advisory Committee

Dr. Robert Austin, NGAC Chair

City of Tampa, FL (ret.)

Ms. Julie Sweetkind-Singer

Stanford University

Mr. Talbot J. Brooks

Delta State University

Dr. Keith Clarke

University of California, Santa Barbara

Mr. Steve Coast

Telenav, Inc.

Mr. Dan Cotter

U.S. Department of Homeland Security

Ms. Patricia Cummins

ESRI

Mr. David DiSera

EMA, Inc.

Mr. Steve Emanuel

State of New Jersey

Prof. Joanne Irene Gabrynowicz

University of Mississippi Law School

Mr. Matthew Gentile

Deloitte Financial Advisory Services, LLP

Mr. Bert Granberg

State of Utah

Mr. Frank Harjo

Muscogee (Creek) Nation

Mr. Jack Hild

Hild Enterprises, LLC

Mr. Michael Jones

Wearality Corp.

Mr. Jeff Lovin

Woolpert, Inc.

Mr. Jack Maguire

County of Lexington, SC (ret.)

Mr. Keith Masback

U.S. Geospatial Intelligence Foundation

Mr. Roger Mitchell

MDA Information Systems, Inc.

Mr. Kevin Pomfret

Centre for Spatial Law and Policy

Major General William N. Reddel III

New Hampshire National Guard

Dr. Douglas Richardson

Association of American Geographers

Mr. Anthony Spicci

State of Missouri

Mr. Gary Thompson

State of North Carolina

Dr. Harvey Thorleifson

Minnesota Geological Survey

Ms. Molly Vogt

City of Gresham, OR

Jason Warzinik

Boone County, MO

Mr. David Wyatt

Eastern Band of Cherokee Indians

Ivan DeLoatch

NGAC Designated Federal Officer (DFO)
Federal Geographic Data Committee



June 2015

Current NGAC Membership

Current Members

(Terms expire December 2015)

** Members completing second term on NGAC in December 2015. Per the NGAC Charter, cannot be appointed to third consecutive term.*

Current Members

(Terms expire December 2016)

** Members completing second term on NGAC in December 2016. Per the NGAC Charter, cannot be appointed to third consecutive term.*

June 2015



Non-Governmental (14)	Governmental (14)
<u>Private Sector (9)</u> Steve Coast Dave DiSera* Matthew Gentile Michael Jones Roger Mitchell Pat Cummins Jack Hild Jeff Lovin Kevin Pomfret	<u>State (6)</u> Steve Emanuel Bert Granberg* Gen. William Reddel III Anthony Spicci* Gary Thompson* Harvey Thorleifson
	<u>County (2)</u> Jack Maguire Jason Warzinik
<u>Academia (3)</u> Keith Clarke Joanne Gabrynowicz* Julie Sweetkind-Singer	<u>Federal (1)</u> Dan Cotter
	<u>Regional (1)</u> Molly Vogt*
<u>Non-Profit (2)</u> Douglas Richardson Keith Masback	<u>City/Municipal (1)</u> Robert Austin*
	<u>Tribal (2)</u> Frank Harjo David Wyatt*
	<u>Emergency Services/Volunteer (1)</u> Talbot Brooks

NGAC Members - April 2014



NGAC Purpose

- ◆ The Committee will provide advice and recommendations related to management of Federal and national geospatial programs, development of the NSDI, and implementation of OMB Circular A-16 and Executive Order 12906.
- ◆ The Committee will review and comment on geospatial policy and management issues and provide a forum to convey views representative of non-Federal stakeholders in the geospatial community.
- ◆ Under Federal Advisory Committee Act rules, the duties of the Committee are solely advisory. The Committee provides counsel and advice to the Secretary of the Interior through the Designated Federal Officer (DFO).

*NGAC Charter





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)

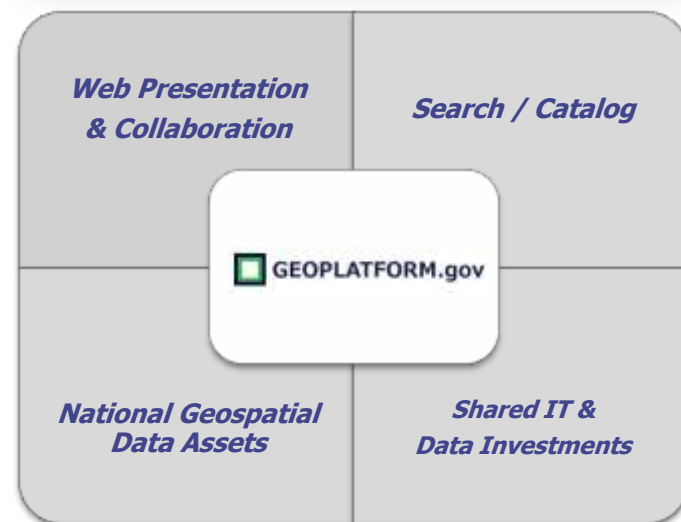
The Geospatial Platform provides shared and trusted geospatial data, services, and applications for use by the public and by government agencies and partners to meet their mission needs.

Supports Open Data Initiatives

Stimulates government-to-citizen communication

Integrates seamlessly with 

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





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

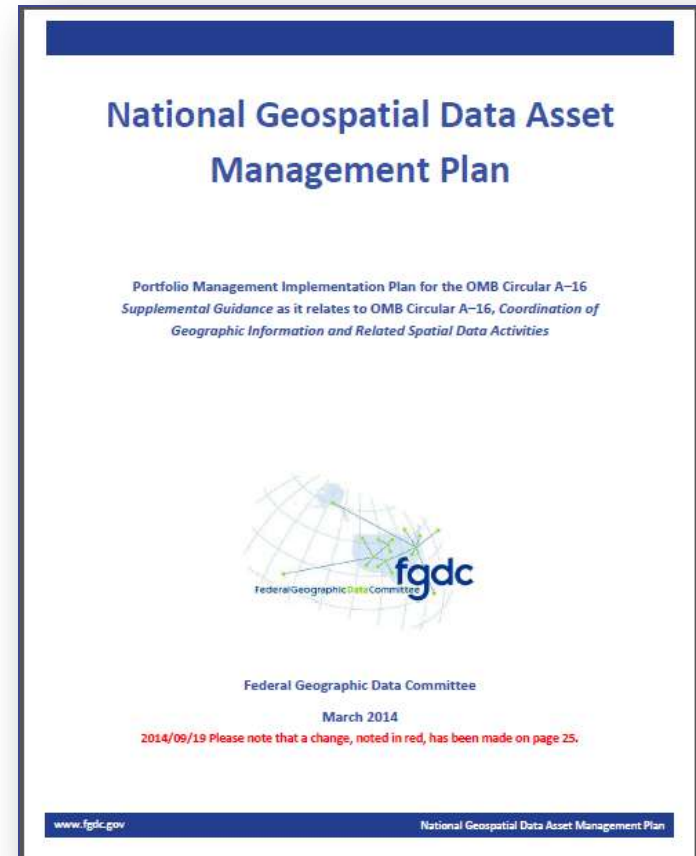
Portfolio Management

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

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





Value Proposition for the NSDI

- Serve the public good at all levels
- Inform decision making
- Opportunities to engage partner organizations, developers, and other new stakeholders that are key to further advancement of the NSDI
- Make government more efficient
- Support key initiatives, i.e., Open Government, Open Data, Climate Data Initiative
- Data and information to support saving lives, protecting property and resources
- Encouraging collaboration among public and private organizations to support understanding, improve mission efficiency and decision making



Thank You for Your Attention!