March 19, 2013

FGDC Steering Committee Meeting

FGDC Office of the Secretariat FY2012 Budget and Accomplishments

Ivan B. DeLoatch, Executive Director
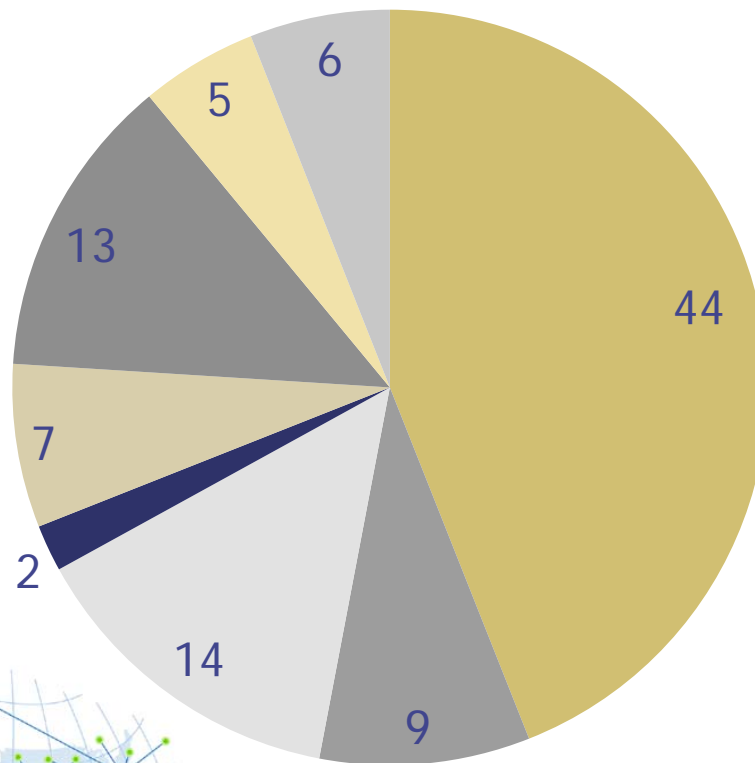
FGDC OS – FY2012 Activities/Responsibilities

◆ Administrative, policy and technical support to the FGDC Governance Structure
  - Support to the Chair and Vice-chair
  - Steering Committee
  - Executive Committee
  - Coordination Group
  - Subcommittees and Working Groups
  - Annual Reporting requirements

◆ National Geospatial Advisory Committee management and support

◆ Support for GeoLoB/Data.gov/Geospatial Platform/Cloud Computing

◆ A-16 Supplemental Guidance implementation

◆ Special projects (GAO Evaluation and responses, geolocation privacy, CFPB parcel data, etc.)

◆ NSDI Cooperative Agreements Program (grants to States and partnerships)

◆ International Activities (Global Spatial Data Infrastructure-GSDI, Group on Earth Observations-USGEO)

◆ Standards development and implementation; NSDI Training

◆ Support for DOI (Position, Navigation and Timing) and USGS (metadata and data stewardship) geospatial activities

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FGDC Secretariat – Budget *Summary*

FY 2012 Budget - $5.6 million*
15 FTEs (includes 5 vacancies)

FY 2012 Estimated Budget Percentages

FGDC Staff / Committee Support / Training	$2,450,000
Geospatial Line of Business / Platform	$ 500,000
NSDI Cooperative Agreeements	$ 800,000
Geospatial Cloud Computing	$ 100,000
National Geospatial Advisory Committee	$ 400,000
Data.gov / Clearinghouse	$ 700,000
International Activities	$ 300,000
Geospatial Standards Development	$ 350,000

	$5,600,000

*Investment prior to DOI and USGS shared costs

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FGDC Governance Support

◈ FGDC Leadership support

◈ Steering Committee – 4 meetings

◈ Executive Committee – 4 meetings

◈ Coordination Group – 12 meetings

 ■ Multiple subcommittee meetings and actions

◈ National Geospatial Advisory Committee (NGAC)

 ■ Held 4, 2-day meetings and 1, ½-day virtual meeting

 ■ Numerous subcommittee activities

◈ FGDC 2012 Annual Report

Key Committee Accomplishments

◆ **Steering Committee**
- Established Geospatial Platform **Business Case and Funding Strategy**.
- Formed UN Global Geospatial Information Management (**UNGGIM**) FGDC working group.
- Endorsed the establishment of an Ad-Hoc working group on Interagency Coordination of Geospatial Support for Presidential Policy Decision – 8: National Preparedness.
- Recommended **DOI as the Geospatial Platform Managing Partner**.
- Concurred that a tiered, **shared funding strategy** (with potential for a reserve fund) be used to fund the Geospatial Platform operations and Program Management Office activities.
- Endorsed the **Coastal and Marine Ecological Classification Standard**.
- Approved the Geospatial **Platform Business Plan**, governance approach and model including the Geospatial Platform **Oversight Body**, and shared investment strategy.

◆ **NGAC**
- Adopted the Geospatial Workforce Development paper.
- Adopted paper on "Innovative Strategies for Geospatial Programs and Partnerships.
- Approved a resolution on endorsing the national elevation program (3DEP).
- Adopted 2 papers – *The Value Proposition for Ten Landsat Applications*, and *Statement on Landsat Data Use and Charges* .
- Made 5 recommendations on: Geospatial Platform - Business Plan, investment strategy, managing partner, Tribal land records, impacts of LightSquared proposal on GPS

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Geospatial Platform

◆ Provided and supported government-wide leadership in developing the Platform as a shared service

- Supported the launching of **Version 1 of the Geospatial Platform.**

- Completed the migration of **Geospatial One-Stop to Data.gov**, providing an integrated, easily-accessible clearinghouse of geospatial metadata.

- Completed the **Geospatial Platform Business Plan**, which describes the Platform's concept of operations, financial model, and governance approach.

- Led and developed an initial **hurricane response capability** as a demonstration project utilizing a tiger team.

- Provided contract management support and oversight for the **Program Management Office (PMO).**

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A-16 Supplemental Guidance

Provided staff support, project management, coordination, facilitation and reporting.

- Steering Committee approved a revision of OMB Circular **A-16 data themes**, consolidating from 34 to 16 data themes
- Prepared draft **Implementation Strategy**
- Conducted initial planning for implementing a **portfolio management** approach
    - Utilizing the Geospatial Platform for reporting and monitoring the status of, and return on Federal geospatial investments.

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GeoCloud Initiative

◆ Funded, staffed and led the FGDC Geospatial Cloud Sandbox initiative

- The National Wetlands Inventory **"Wetlands Mapper"** map and data server was deployed in a standard-based Cloud environment, providing public-facing data services for wetlands data nationwide.

- Hosted projects from **ten federal agencies** that configured new geospatial data and map services using the Amazon Cloud environment.

  - ◆ These services are being provided for registration with the Geospatial Platform.

- **Best-practices** being utilized during Geospatial Platform implementation.

Standards Activities

Advanced key standards through the FGDC process, including:

- Final processing and endorsement of the: **Coastal and Marine Ecological Classification Standard** (CMECS).
- Final processing and endorsement of the: **Federal Trails Data Standard**.
- Worked with GSA to advance the **Federal Buildings and Facilities Standard**.

Participated, monitored, and reported on geospatial and related technology standards

- **International Organization for Standards** (ISO), American National Standards Institute (ANSI), InterNational Committee on Information Technology Standards (INCITS), L1/U.S. TAG (geospatial), e.g. ISO Metadata Standard Revision review.
- **Open Geospatial Consortium** (OGC), e.g. web services leveraged by the Geospatial Platform, and the establishment of the North American Forum coordinating body.
- **Geospatial Intelligence Standards Working Group**, e.g. venue for joint review of geospatial and related technology standards between the Defense and Intelligence Community and the Federal Civil agencies.

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NSDI Training

Geospatial Metadata

◆ Organized and led the **Metadata Summit** to identify challenges and opportunities for the transition and implementation to the international geospatial metadata standard, ISO 19115 and its associated standards.

- **Fifty-two** participants representing **twenty-five agencies** and organizations participated and resulted in the revision of FGDC guidance for metadata implementation.
- **Metadata** is foundational to the Geospatial Platform, A-16 Supplemental implementation and data sharing and use.

◆ Led, participated in, and/or developed **NSDI training materials** for 100's of Federal, State, local, Tribal, academic, and private sector users including:

- Metadata – 9 events, 3 online lessons
- Standards – 1 online lesson
- Portfolio Management – 1 online briefing
- Partnerships - Data Sharing – 1 online lesson
- Geospatial Platform – 1 video
- CAP Training participation/material review – 25 classes

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Partnerships – NSDI Cooperative Agreements Program (CAP)

◆ 23 CAPS awarded with a 68% cost match from the partners, building non-Federal partnerships and the NSDI

◆ Supported standards, data collection/partnerships, data clearinghouses, geospatial business plans, geospatial cloud technology, data management/access portals.

◆ Benefitted Federal and non-Federal organizations alike

Feedback From Awardees

- Helps ensure compliance with standards rather than striking off on your own
- Promotes community building
- Helped achieve milestones in State's SDI strategic plan
- "Selling" a $1.1 M geocoding project was a direct result of 50 States CAP
- Provided a great opportunity to build an innovative service for the community
- Greatest program strength – creates opportunity for States to contribute to the national effort of collaboration and data sharing

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Special Projects

- Led and coordinated the activities during the **GAO evaluation** of federal initiatives aimed at coordinating investments in geospatial data

- Facilitated meetings with Federal Trade Commission staff on **geospatial privacy** policy

- Supported meetings and facilitated discussions on the **LightSquared impact** on GPS issue

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International Activities

- Global Spatial Data Infrastructure (GSDI) Association Small Grants Program
  - Partnership with GISCorps of the Urban and Regional Information Systems Association (URISA)
  - Funded a **small grants program** to support national or sub-national partnerships and technical development for spatial data infrastructure and earth observations application development
  - 15 projects - http://www.gsdi.org/sic1
- Updated the **GSDI/SDI Cookbook**, Chapter 10 Standards Suites for Spatial Data Infrastructure

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International Activities

- Participated in the Group on Earth Observations and USGEO

- Global Earth Observations System of Systems (GEOSS)
  - Provided clearinghouse and component registry capability for **GEOSS Common Infrastructure**
    - Exposing thousands of datasets and resources for discovery and access
    - Featured during GEO Plenary in Istanbul, Turkey

- Arctic Spatial Data Infrastructure (ASDI)
  - Organized U.S. Arctic mapping data for Alaska in collaboration with The National Map and NGA and prototyped Cloud-based hosting of the Web Map Services for the Alaska portion of the Arctic

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PNT and USGS Geospatial Activities

◆ Positioning, Navigation, and Timing (PNT)

- Staff support for the **National Coordination Office**

- Support DOI leadership for **Steering Group** and **Executive Committee** activities

- Issues on impacts to Bureaus related to PNT, GPS, and related technologies

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Questions