



# National Geospatial Portfolio Management

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# Briefing Outline

- ◆ Federal Geographic Data Committee
- ◆ OMB Circular A-16 Supplemental Guidance
- ◆ Portfolio Management
  - Define
  - Approaches
  - Portfolio Investment Strategy
  - Roles and Responsibilities
- ◆ Reference Materials
- ◆ Next Steps



# Questions to be thinking about...

- ◆ What impact does the A-16 Supplemental Guidance have on my agency?
- ◆ What is geospatial portfolio management?
- ◆ Is this management done by theme lead?
- ◆ Are agencies responsible for a theme supposed to donate an FTE to do this work?
- ◆ How does portfolio management impact an agency's ability to create or maintain their geospatial data?
- ◆ What impact will portfolio management on national data assets and funding?
- ◆ What do portfolio management and the Supplemental Guidance mean for my agency?
- ◆ Will all data be managed this way right off the bat?
- ◆ What FY will it kick in?
- ◆ Will there be joint 300s submitted by multiple agencies for data?
  - If so, what if the funding doesn't come through, or is cut? What agencies get what % of the \$\$?
- ◆ How does this tie in to the Geospatial Platform?

# Purpose of the FGDC

- ◆ Act as the interagency coordinator for NSDI activities
  - NSDI – technology, policies, standards, human resources, and related activities necessary to acquire, process, distribute, use, maintain and preserve geospatial data
- ◆ Provide executive, managerial, & advisory leadership, direction & oversight for geospatial activity across the Federal government
- ◆ Facilitate coordination among agencies, governments, academia, industry and professional organizations in developing geographic information and technology critical to society
- ◆ Promote efficiency, transparency, accountability, and effectiveness of geospatial information for the nation

# What is Portfolio Management?

◆ Process of tracking, maintaining, expanding, and aligning assets to address and solve the business needs of an enterprise.

- Source: *OMB Circular A-16 Supplemental Guidance*



# OMB Circular A-16 Supplemental Guidance

- ◆ Guides Federal agencies on implementing A-16 to ensure a coordinated, efficient, transparent, and responsive Federal geospatial enterprise
- ◆ Defines and clarifies selected elements of A-16 to ensure that further implementation of A-16 results in coordinated geospatial asset management
  - Geospatial Portfolio Management Approach
  - Defines the Federal agency's roles and responsibilities for implementing A-16
  - Defines a process for updating A-16 Data Themes
  - Outlines a coordinated investment strategy that aligns with existing agency and OMB processes



# Portfolio Management Approaches

- ◆ Portfolio management approaches include:
  - Strategic portfolio planning;
  - Coordinated development and resource pooling;
  - Established goals and performance measures, indicating the benefits of each asset investment, and how it contributes to the overarching portfolio goals (particularly completion/renewal);
  - Investment selection criteria; and
  - Processes for reviewing asset investments to inform budget decisions, management of issues and mitigation of risks to the portfolio.



# Portfolio Management of National Geospatial Data Assets (NGDA)

- ◆ Federal geospatial data sets of National Significance
- ◆ Inventory, selection, organization, management, evaluation, monitoring, and recommendation of priorities of Federal geospatial datasets
  - **Inventory** – identify existing geospatial datasets that may be considered NGDAs
  - **Selection** - determine if datasets are NGDA and should be in the NGDA Portfolio
  - **Organization** – maintains organization, accuracy and metadata of NGDA Datasets per the Supplemental Guidance
  - **Management** – develop and manage NGDA Datasets per the Supplemental Guidance
  - **Evaluation/monitoring** – manage NGDA Datasets according to NGDA Theme plan, milestones and performance measures
  - **Recommendation** – develop NGDA Theme and NGDA Dataset development and funding and priorities



# Portfolio Investment Strategy

- ◆ Provide a mechanism for annual peer review and consultation
- ◆ Increase the geospatial community's effectiveness by better aligning its activities with other Federal investment processes and investments
- ◆ Identify and consider partnering opportunities for investment collaboration
- ◆ Provide opportunities for geospatial experts to share opportunities for improved geospatial resource alignment
- ◆ Make most efficient use of available funding for NGDA



# Roles and Responsibilities

- ◆ Executive NGDA Theme Champion
- ◆ NGDA Theme Lead
- ◆ NGDA Dataset Manager
- ◆ Data Steward

# Roles and Responsibilities – RACI Matrix

- ◆ **Responsible:** an entity or person assigned to do the work
- ◆ **Accountable:** an entity or person who makes the final decision and has ultimate ownership
- ◆ **Consult:** an entity or person who must be conferred with before a decision or action can be taken
- ◆ **Inform:** an entity or person who must be made aware that a decision or action is pending or has been taken
- ◆ **Facilitate:** an entity or person who coordinates, directs, or guides activities or people

# Roles and Responsibilities – RACI Matrix

Entity	Inventory	Selection and Theme Placement	Manage (Portfolio, Theme and Dataset)	Evaluate/Monitor	Identify and Execute Interagency Priorities
OMB		Consult		Inform	Accountable
FGDC EC				Inform	Inform
FGDC SC		Accountable	Accountable (portfolio)	Accountable (portfolio)	Responsible
FGDC CG	Inform	Responsible	Inform	Inform, Consult	Responsible
FGDC Secretariat	Consult		Facilitate	Facilitate	Facilitate
Executive Champion		Inform, Consult	Inform, Consult (theme)	Accountable (theme)	Accountable
FGDC WG			Consult	Consult	Consult
FGDC Subcommittees	Consult		Responsible	Inform	Consult
Theme Lead	Accountable (theme)	Inform	Accountable (theme)	Responsible (theme)	Responsible
Dataset Manager	Accountable (dataset), Responsible		Accountable (dataset)	Responsible (dataset)	Facilitate
Data Steward	Responsible		Responsible	Responsible	
Stakeholders	Responsible		Responsible	Responsible	Consult
NGAC Advisory Committee			Consult	Consult	Consult
Theme Community of Interest		Consult		Inform	Consult
CIOC					Inform
CFOC					Inform

## Key:

**Responsible** - an entity or person assigned to do the work

**Accountable** - an entity or person who makes the final decision and has ultimate ownership

**Consult** - an entity or person who must be conferred with before a decision or action can be taken

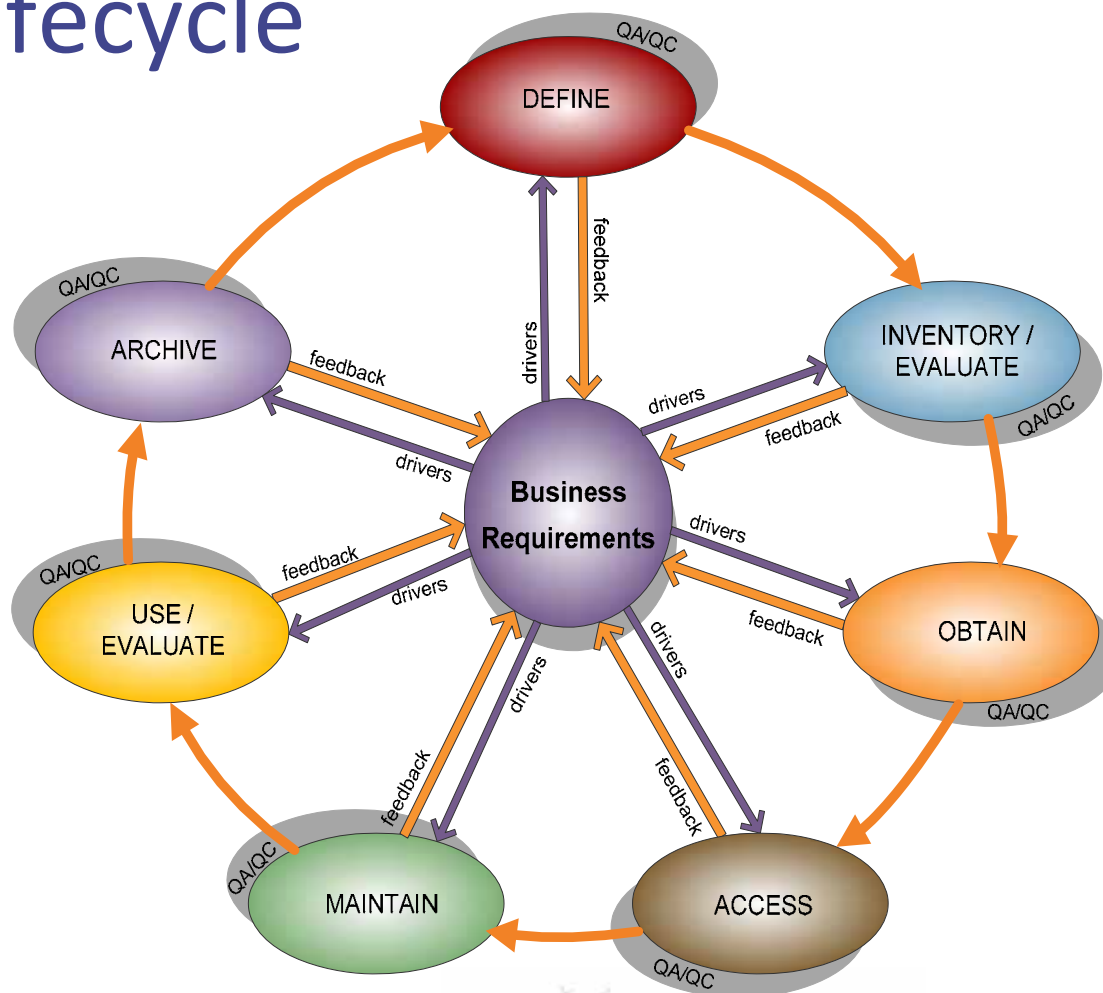
**Inform** - an entity or person who must be made aware that a decision or action is pending or has been taken

**Facilitate** - an entity or person who coordinates, directs, or guides activities or people

# Inventory

- ◆ Inventory of Existing Federal Geospatial Capabilities, Common Data, Services and Applications
- ◆ Gather information about:
  - Current activities that can be leveraged to populate the Geospatial Platform
  - Planned activities the Geospatial Platform can support
  - Data, Services, and Applications Agencies required to support their missions

# Data Lifecycle



# Data Lifecycle Management

- ❖ **Stage 1. Define:** Characterization of data requirements based upon business-driven user needs.
- ❖ **Stage 2. Inventory/Evaluate:** The creation and publication of a detailed list of data assets and data gaps (both internal and external) as they relate to business-driven user needs.
- ❖ **Stage 3. Obtain:** Identify the mechanism(s) for the collection, purchase, conversion, transformation, sharing, exchanging, or creation of geospatial data that were selected to meet the business needs .



# Data Lifecycle Management - Continued

- ❖ **Stage 4. Access:** Making data produced known and retrievable to the community through documentation and discovery mechanisms so the users can meet their business requirements.
- ❖ **Stage 5. Maintain:** Ongoing processes and procedures for data operation and maintenance to ensure that the data continue to meet business requirements.
- ❖ **Stage 6. Use/Evaluate:** The ongoing assessment, validation, and potential enhancement of data to meet user needs and business requirements.
- ❖ **Stage 7. Archive:** Required retention of data and the data's retirement into long-term storage.

# NGDA Scored on Lifecycle Management

- ◆ Each NGDA is annually self-assessed by its NGDA Dataset Manager according to the lifecycle stages and other specified scorecard metrics
- ◆ The lifecycle assessment is based on maturity models for each lifecycle stage – therefore each NGDA will be assessed against the maturity model
- ◆ Self assessment of each NGDA against the maturity models and other scorecard metrics will be annually reported to the FGDC by Theme Leads, after being validated by them
- ◆ The validated assessments will eventually be published as part of the FGDC annual report

# Reference Materials

## ◆ FGDC website

<http://www.fgdc.gov/policyandplanning/a-16>

- FGDC Structure and Federal Agency Representation
- Process for adjusting OMB Circular A–16 Appendix E: NSDI Geospatial Data Theme Principles
- Lexicon of Geospatial Terminology
- Stages of the Geospatial Data Lifecycle
- Key Roles and Responsibilities



# Next Steps: December 2010-April 2011

- ◆ The FGDC will make final adjustments to NGDA themes
- ◆ The FGDC will associate the *current* inventory of NGDA with Themes
- ◆ The FGDC will grow the NGDA inventory
- ◆ The FGDC will distribute guidance to agencies on how to comply with the Supplemental Guidance
- ◆ Agencies will send their timelines for complying with the Supplemental Guidance to the FGDC
- ◆ The FGDC will select a portfolio management pilot for the FY13 budget process
- ◆ The FGDC will finalize the maturity model/other scorecard content that will be used to evaluate NGDAs

# Questions?