

# **NSDI Future Directions Governance for the National Spatial Data Infrastructure**

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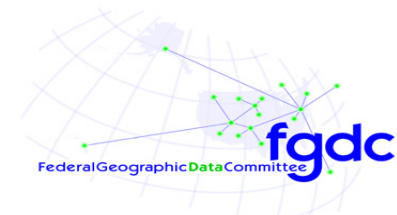


# Overview

- FGDC, NSDI, and Future Directions Committee
- Ideas on governance – past, current and future
- Proposed national GIS governance models
- Key ideas for discussion
- Q & A

# NSDI Future Directions

- The Federal Geographic Data Committee recently completed a Study to identify actions over the next 2-3 years to implement the NSDI
- 3 Key Focus Areas were identified. Each has 3-5 Strategic Objectives:
  - Partnerships with Purpose
  - Making Framework Real
  - Communicating the Message
- Action Teams have been set up to address Focus Areas and Strategic Objectives. A Strategic Objective being addressed is Governance.



# Strategic Objective - Governance

By 2005, options for restructuring the governance model of the NSDI to make it more effective and inclusive are identified, evaluated and acted upon.

# Objectives for today

- Establish a greater level of understanding regarding issues and options for Governance of the National Spatial Data Infrastructure
- Solicit input and ideas on the NSDI governance process, key elements and issues or concerns
- Gather information to feed into the development of recommendations

# What is Meant by NSDI Governance

The organizational structure, leadership and authority roles, and all associated regulations, policies, and procedures for management, coordination, and operation of the NSDI.

# Key Elements of Governance

- Underlying legal mandate
- Responsibilities and Roles
  - National Policies and Strategy
  - Coordination across all Sectors
  - Establishing NSDI Architecture and best Practices
  - Reviewing and recommending geospatial activities
- Leadership/authority
- Accountability
- Budget
- Stability

# What are we governing?

Some thoughts...

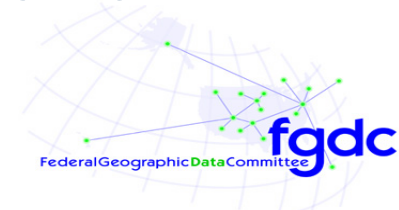
- Geospatial information (production, maintenance, distribution?)
- Processes that develop and use geospatial information
- The infrastructure at a national scale
- Standards, policy, technology, and resources to acquire, process, store, distribute and improve utilization of geospatial information

# Factors to Consider In a Governance Process

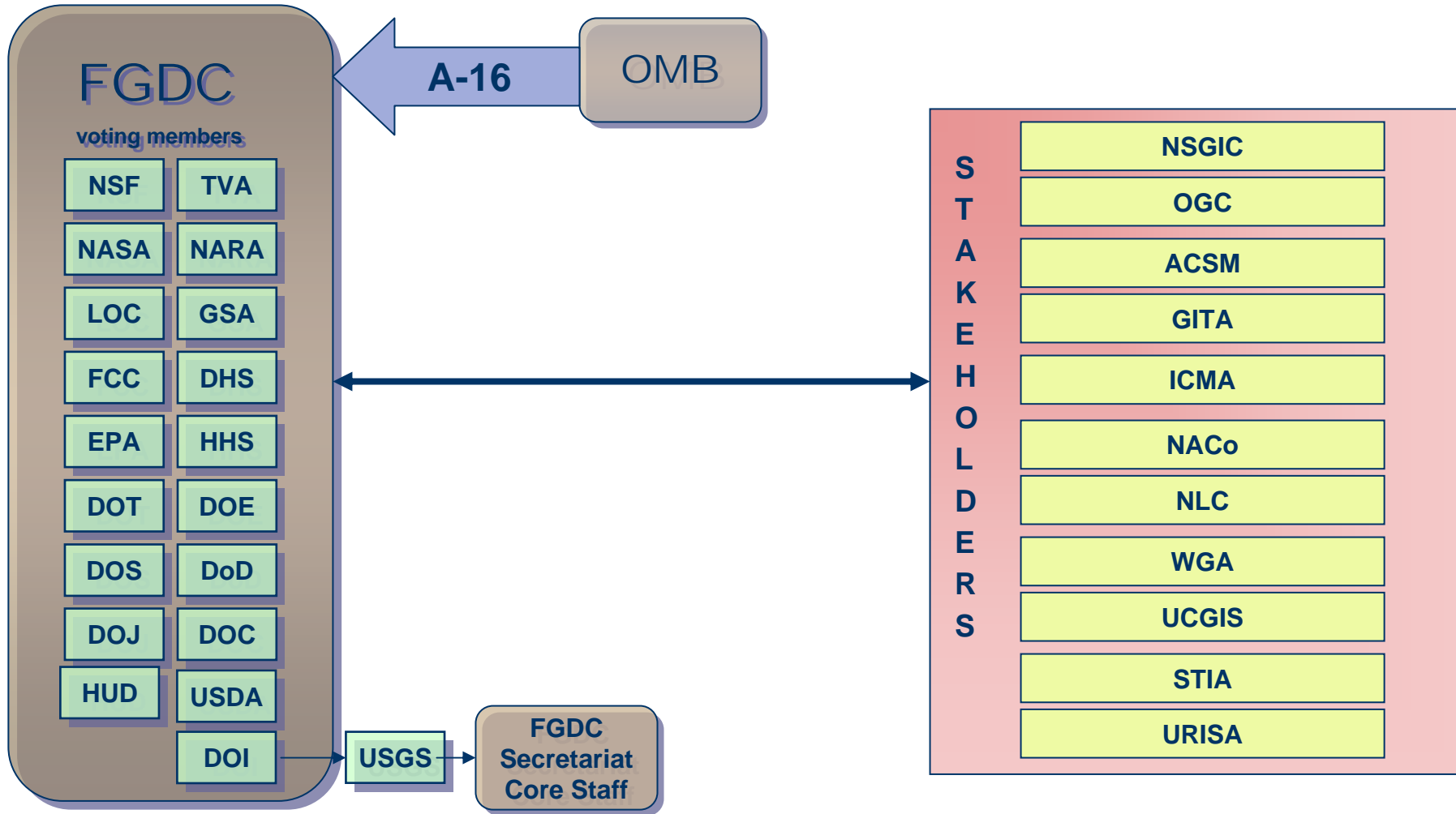
- National approach
- Right level of decision-makers
- Bias to successful active participants/players
- Builds in accountability
- Simple - to avoid confusion
- Inclusive - Fed, state, tribal, local, private, academia
- Bold step
- Clearly defined roles & responsibilities

# Current Governance Model - Key Elements

- OMB Circular A-16 created FGDC as interagency coordinating body and to facilitate implementation of NSDI.
- A-16 provides guidance to federal Agencies for coordination of geographic information. Executive Order 12906 also provides NSDI guidance.
- Department of Interior Chairs FGDC, OMB is Vice-Chair.
- A-16 requires partnership programs with stakeholders for NSDI.
- Stakeholders are very important but not a part of FGDC.



# Current Governance Model



# Current Problems / Issues

- FGDC Steering Committee too far removed
- Little coordination or sharing of information
- Duplication of effort
- Data and information gaps are not being addressed
- Recognize same problems exist at Federal, state, tribal, and local levels
- Business practices
- Lack of comprehensive national strategy
- Federal credibility
- Lack of authority and accountability
- Many governance pieces
- FGDC still primarily Federal
- Unclear roles and responsibilities
- Lack of private sector involvement in governance

# Governance Models

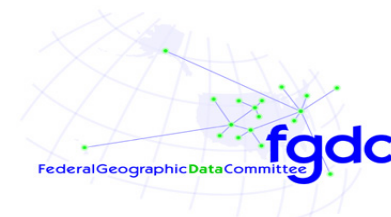
## 4 Options for Discussion

- Several Governance Models have been developed for discussion purposes.
- The following Models have been developed to represent potential options for implementation.

# Governance Models

## Option 1 - Key Elements

- Establishes a new entity through legislation:
  - 1 - Legislation establishes a National Geospatial Coordinating Council (NGCC) responsible for NSDI policy, implementation, and interoperability issues.
  - 2 - Membership includes representatives from all sectors.
  - 3 - FGDC focused on Federal Coordination responsibilities of A-16.
  - 4 - Grant Program for NSDI implementation



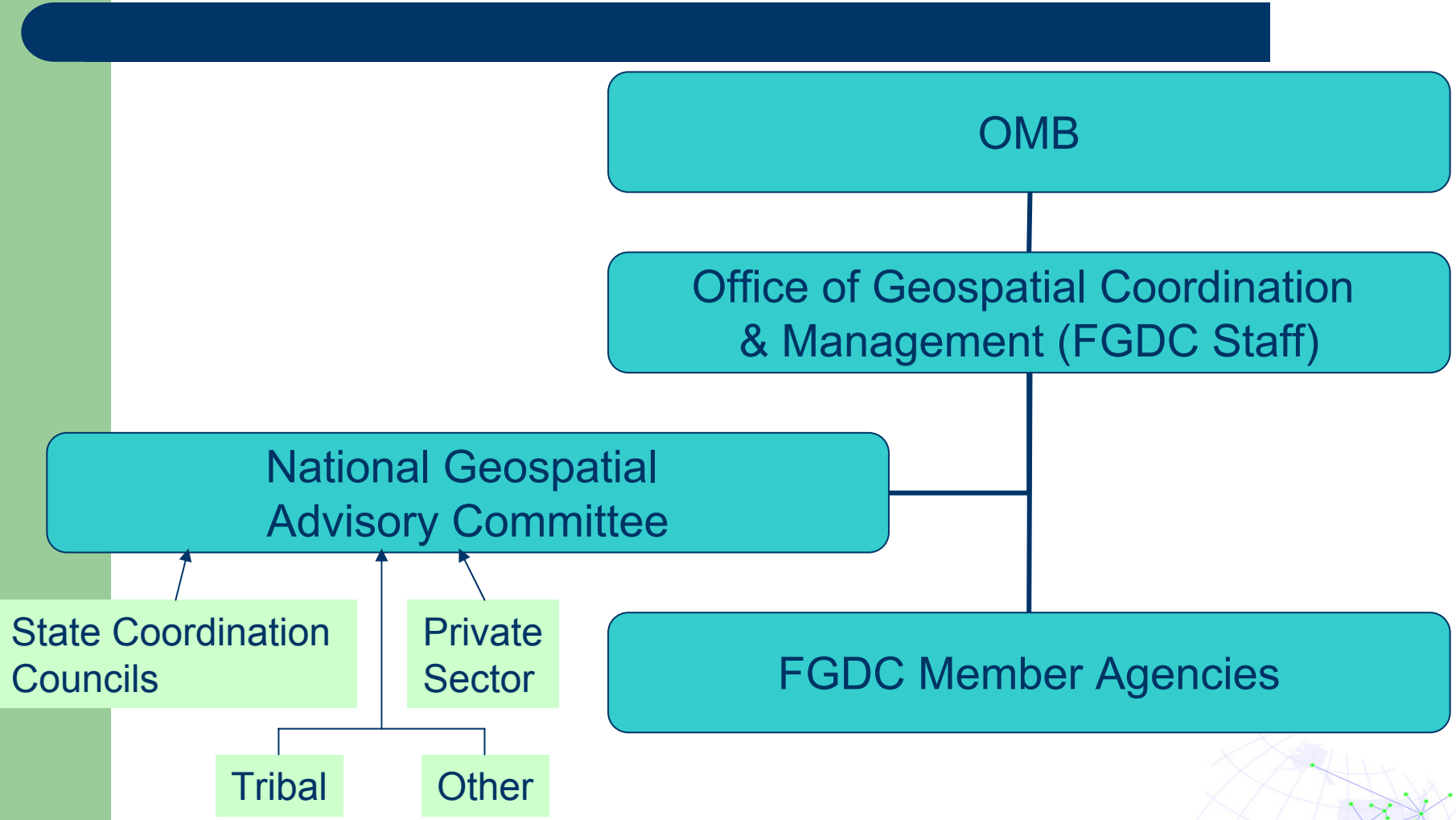


# Governance Models

## Option 2 - Key Elements

- Establishes a new OMB Office based on the model of the Office of Federal Procurement Policy:
  - 1 – Office of Geospatial Coordination and Management established within OMB to carryout A-16 responsibilities.
  - 2 – FGDC functions become part of this new Office.
  - 3 – National Geospatial Advisory Committee provides for improved involvement and coordination with other levels of government, private sector and others.
  - 4 – Can be established by Administration action or by legislation.

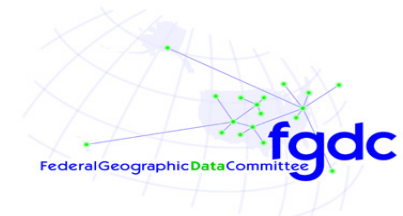
# Option 2



# Governance Models

## Option 3 - Key Elements

- Establishes new entity through combination of existing and new organizations in a phased approach:
  - 1 – National Geospatial Coordinating Council through non-statutory authority. Role would be national policy applications, standards and implementation.
  - 2 – Strengthened FGDC federal leadership role through new Presidential Executive Order.
  - 3 – More uniformity among Statewide Coordinating Councils that represent state, local, and other state/regional interests.
  - 4 – New Legislation similar to Option 1.



# Option 3

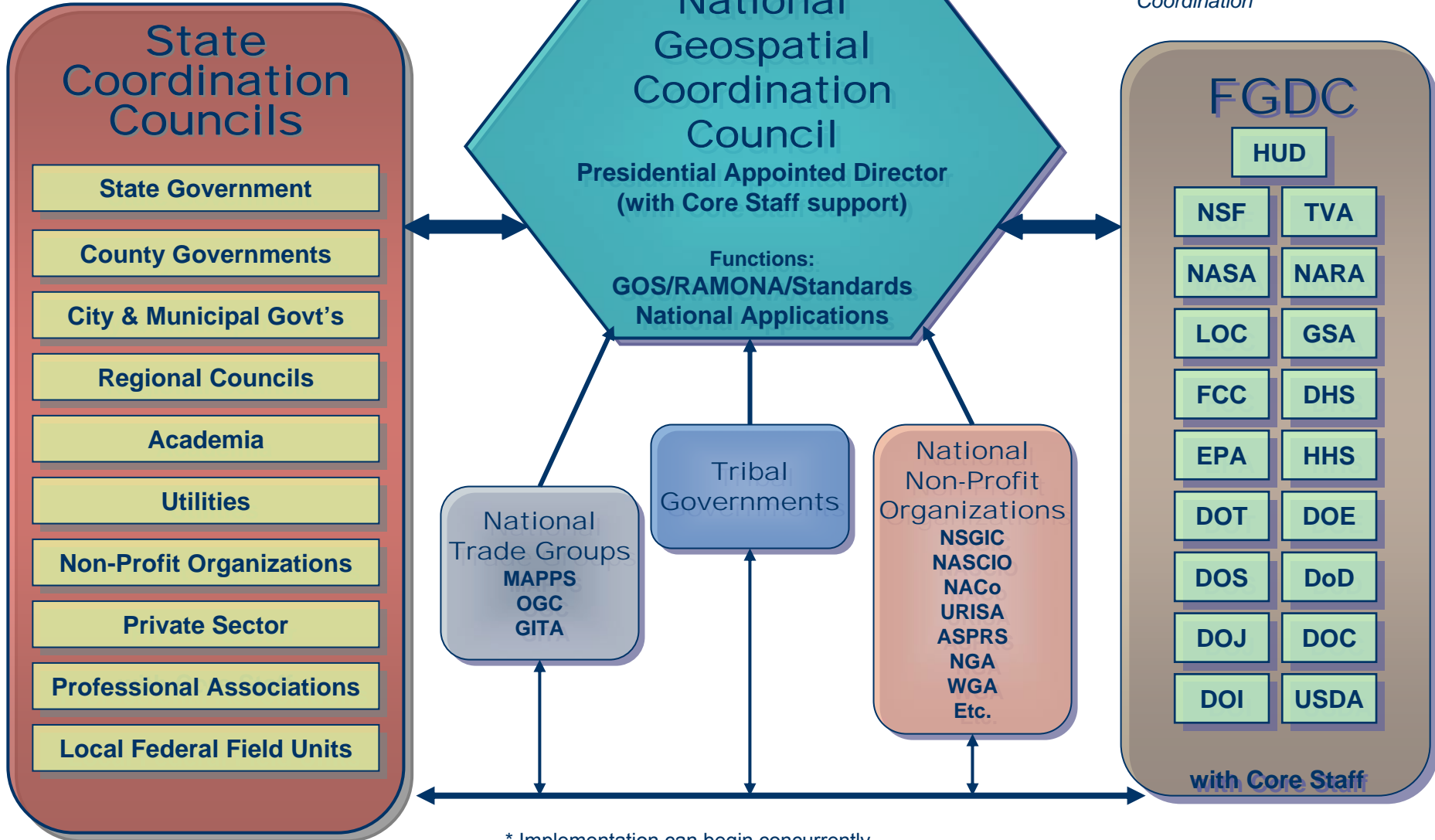
Phased Implementation

Phase 1 Implementation:  
*National Council Created with  
non-Statutory Authority\**

Phase 4 Implementation:  
*Statutory Authority Granted  
with Presidential Appointee as Director*

Phase 3 Implementation:  
*The 50 States Initiative\**

Phase 2 Implementation:  
*Modification of Federal  
Coordination\**



\* Implementation can begin concurrently

# Governance Models

## Option 4 – Key Elements

- **No need for a National Geospatial Coordination Council – adhere to Circular A-16**
- **2002 Revision to Circular A-16 provides the necessary authority, when coupled with the Federal CIO Council charter ASSUMING each Federal Agency:**
  - 1 - Fulfills its assigned role to achieve the NSDI vision, in partnership with their CIOs**
  - 2 - Promotes practical data sharing partnerships at the local level among stakeholders**
  - 3 - Funds the technology and portfolio management services of their geospatial resources to enable access to NSDI data**
  - 4 - CIO exercises geospatial information leadership and vision**
  - 5 - And OMB works with agency budget offices to secure necessary resources to support NSDI activities**

# Option 4

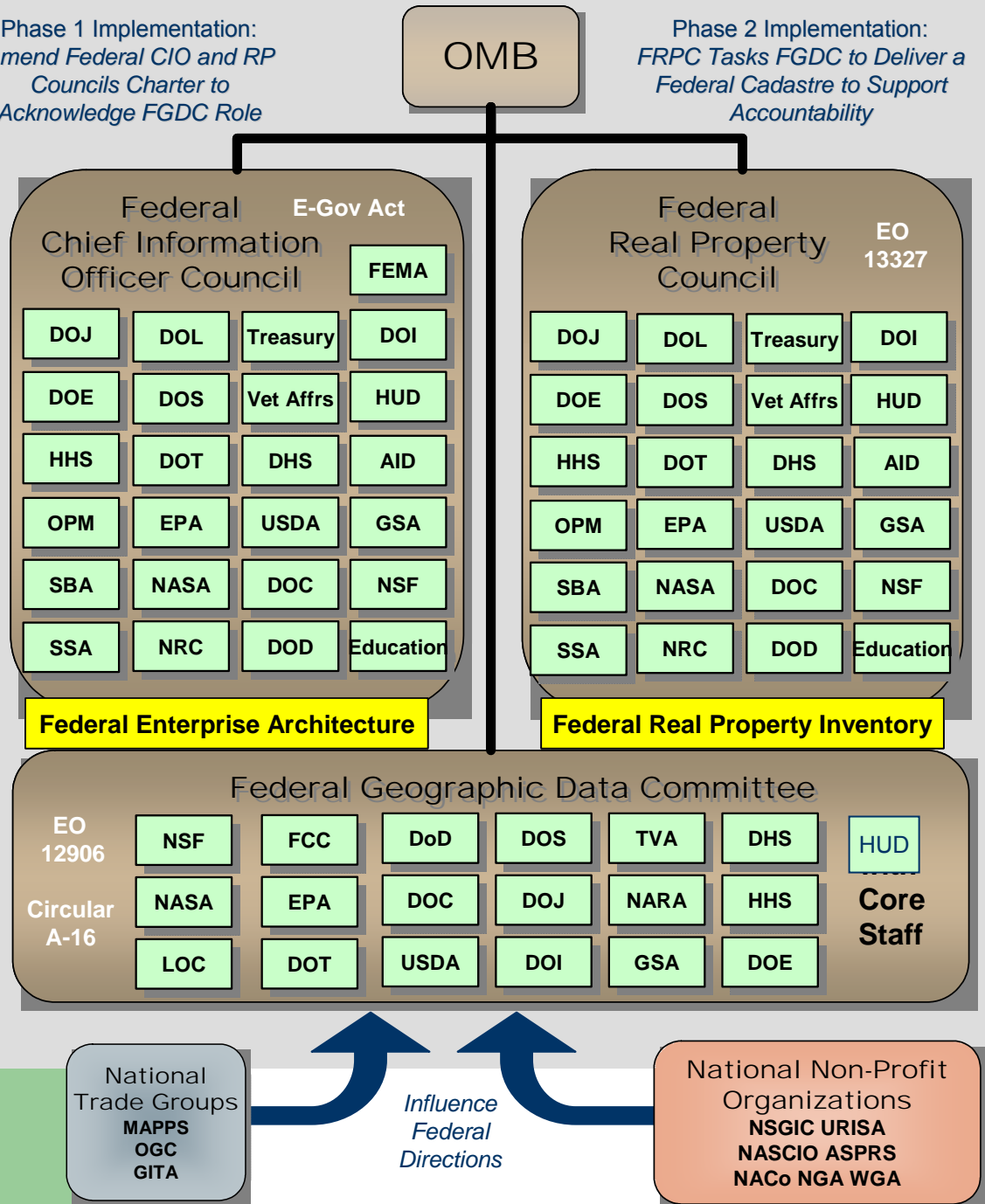
Phase 4 Implementation:  
States Adopt  
"50 States Initiative" Strategy



Phase 3 Implementation:  
FCIOC Tasks  
FGDC to Deliver a  
Geospatial Profile  
for the FEA

Phase 1 Implementation:  
Amend Federal CIO and RP  
Councils Charter to  
Acknowledge FGDC Role

Phase 2 Implementation:  
FRPC Tasks FGDC to Deliver a  
Federal Cadastre to Support  
Accountability



OMB

Federal E-Gov Act  
Chief Information Officer Council

DOJ	DOL	Treasury	DOI
DOE	DOS	Vet Affrs	HUD
HHS	DOT	DHS	AID
OPM	EPA	USDA	GSA
SBA	NASA	DOC	NSF
SSA	NRC	DOD	Education

Federal Real Property Council  
EO 13327

DOJ	DOL	Treasury	DOI
DOE	DOS	Vet Affrs	HUD
HHS	DOT	DHS	AID
OPM	EPA	USDA	GSA
SBA	NASA	DOC	NSF
SSA	NRC	DOD	Education

Federal Enterprise Architecture

Federal Real Property Inventory

Federal Geographic Data Committee

EO 12906	NSF	FCC	DoD	DOS	TVA	DHS	HUD
Circular A-16	NASA	EPA	DOC	DOJ	NARA	HHS	Core Staff
	LOC	DOT	USDA	DOI	GSA	DOE	

National Trade Groups  
MAPPS  
OGC  
GITA



Influence  
Federal  
Directions

National Non-Profit Organizations  
NSGIC URISA  
NASCIO ASPRS  
NACo NGA WGA

# Governance Team Outreach Activities

- Focus Groups with 8-10 organizations completed or scheduled
- Individual Interviews by Outreach Team Members
- Contacts with about 10-12 Associations which are not typically considered Geospatial

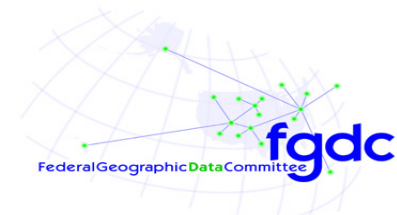
# Preliminary Synthesis from Outreach Activities

- National leadership is needed - a national body with authority must be established
- Funding/financing on a sustainable basis is needed
- FGDC must continue to play a role
- Private sector wants and needs to be involved
- An ROI business case is still needed
- Leadership with vision and clout are needed

# Discussion

Today we will discuss some key points that emerged from previous outreach activities.

- Is there a need for a National Geospatial Coordination body? If so what's its purpose, responsibilities, and membership?
- How might we fund the NGCC as well as NSDI implementation activities?
- How do we ensure needed involvement of all sectors in a National System?
- What are your issues or concerns?



# Key Point - National Body

Is there a need for a National Geospatial Coordination Council (NGCC)?

If so...

- What is the **purpose** of the Council?
- What is its **scope of responsibilities**?
- Who should be **members**? How should they be selected?
- How should the Council be established? **By what authority?**

# Key Point – Sustainable Funding/Financing

## How might we fund or finance the NGCC?

- Federal appropriations – New Grant Program
- Shared funding model between all levels of government
- Assessment against current revenue streams for NSDI geospatial activities: i.e. property taxes, telephone/cell phone use, transportation use, etc.
- New financing model to encourage state/local bonds and/or low interest loans

# Key Point – Non-federal government and other sector involvement

How do we ensure needed involvement of all sectors in a National System?

- Incentives
- Establishing “Champions”
- Build from the “Bottom-up”
- Stewardship/ownership at the local level

# Next Steps

- Data collection, Synthesis and Analysis – March thru April, 2005
- Preliminary Report/Plan – May 2005
- Feedback from Stakeholder Groups – March, May 2005
- Submit Report/Plan - June 2005

# Contact

- Volunteers are needed to participate in review process. Please feel free to contact the following individuals:
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- For additional information: [fgdc.gov/future](http://fgdc.gov/future) directions
- Presentation posted on [www.erichseamon.com](http://www.erichseamon.com) (under CalGIS)

