



National Geospatial Programs Office

Providing leadership to place geographic knowledge at the fingertips of the Nation.

National States Geographic Information Council
Mid-Year Meeting
Mar 14, 2005



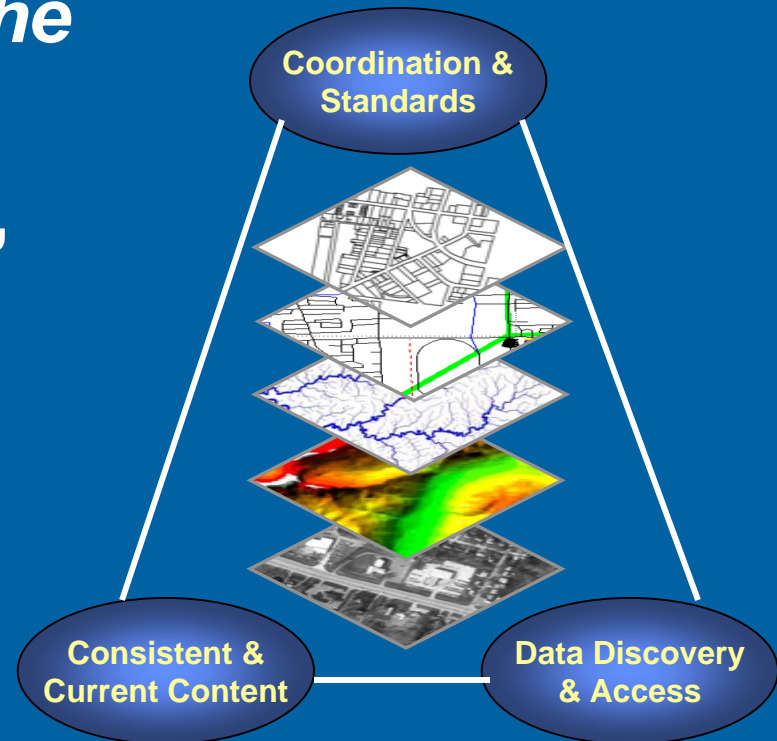
U.S. Department of the Interior
U.S. Geological Survey

A Bold Step for the NSDI

- **National Geospatial Programs Office**
 - **Align national geospatial activities and responsibilities**
 - Federal Geographic Data Committee
 - Geospatial One Stop
 - *The National Map*
 - Interior Enterprise GIS
 - **Expand partnership offices**
 - **Assess USGS geospatial products and services**

Connecting the Components

- Integrated base data – *The National Map*
- Coordination, standards, policy – Federal Geographic Data Committee
- Discovery and access – Geospatial One Stop



Challenge: Transforming to One

Charting the Course

- Core Team
- Listening Sessions
- Study Teams
 - Unified Geospatial Enterprise Architecture
 - Geospatial Technology Integration
 - Partnership Offices
 - Unified NSDI Web Presence
 - Measuring Geospatial Investments
 - USGS Geospatial Products and Services
- Work of Others

What Are We Learning?

We need to transform:

- Toward a geographic information system for the Nation – “system of systems”
- Toward a focus on matters and places of national importance
- Toward management excellence

We see opportunities:

- To provide leadership in the development of the NSDI
- Serve as a major geospatial content provider
- To work with and learn from our partners



NGPO Purpose

“Providing leadership to place geographic knowledge at the fingertips of the Nation.”

NGPO Mission

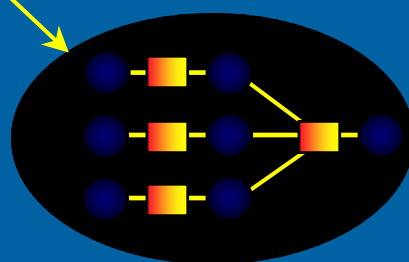
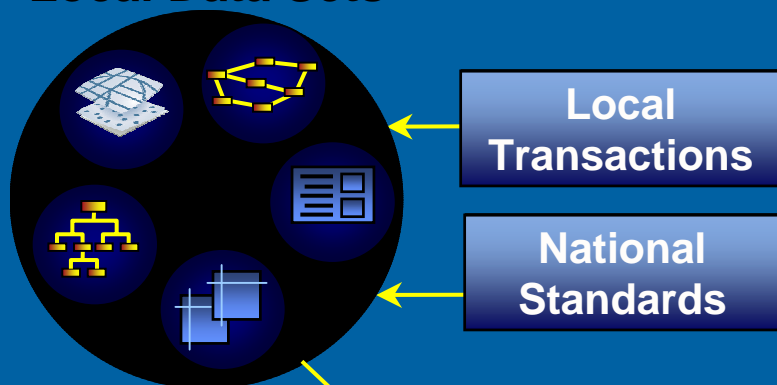
- **Provide leadership and guidance to key stakeholders**
 - Coordinate governance structure for the NSDI
 - Facilitate strategy and policy development
 - Provide financial and other incentives
 - Facilitate the development of key standards and data models
 - Negotiate collaborative agreements with stakeholders
 - Provide forum for technology transfer and sharing best practices
- **Implement key components of the NSDI**
 - Host spatial datasets, web sites, knowledge base, and tools for discovery and access
 - Perform data integration and Quality Assurance of spatial data
 - Produce spatial data – as last resort
 - Manage geospatial service contracts
 - Provide training, education and consulting
 - Conduct and sponsor research for GI Science
 - Support GIS applications and services
 - Create map products

NGPO Vision

- **Flows from vision of the NSDI**
 - *“Current and accurate geospatial data will be readily available on a local, national and global basis to contribute to economic growth, environmental quality and stability and social progress.”*
- **Actionable**
 - *“By June 30, 2006 transform the processes of Government necessary to implement key components of the NSDI.”*

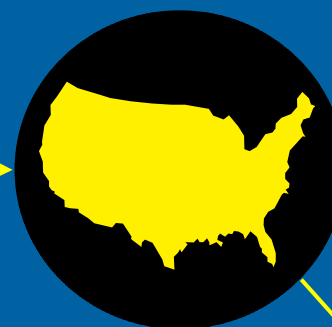
National Spatial Data Infrastructure Vision

Local Data Sets

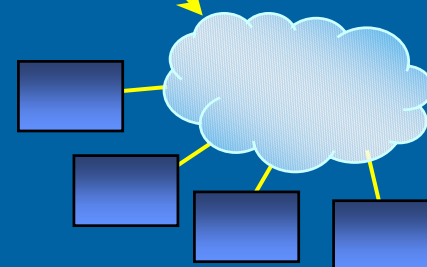


- Transformation
- Conversion
- Integration

National Data Sets



Distribution



High-Quality Data Compiled from Local Sources

NGPO Strategic Directions

- Unified Geospatial Enterprise Architecture
- Governance Structure for the 21st Century
- Incentive Based Partnerships
- A Tapestry of Base Content
- Technology Modernization and Integration
- Investment Management
- Revitalized Suite of Applications, Products and Services

- Internal Streamlining

Unified Geospatial Enterprise Architecture

- An approach for unifying disparate geospatial architecture efforts, aligning them with the Federal Enterprise Architecture and accommodating the needs of the non-Federal community
 - Adopt Principles
 - Establish Advisory Council and Technical Working Group
 - Promote Common Standards

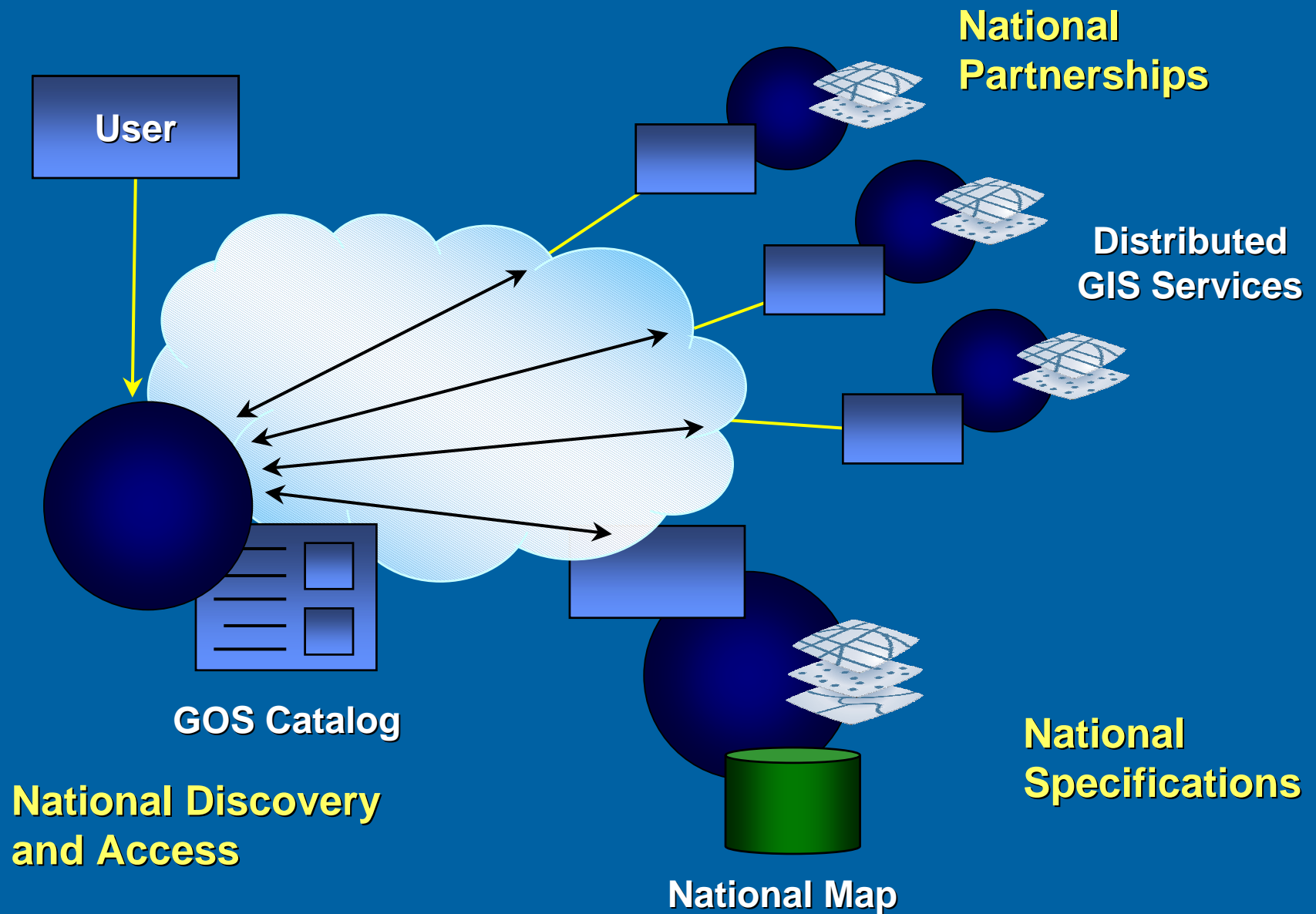
Governance Structure for the 21st Century

- **Restructure NSDI Governance Model**
- **Create a national Geospatial Coordinating Body**
- **Promote Governance Process as a National Commitment**

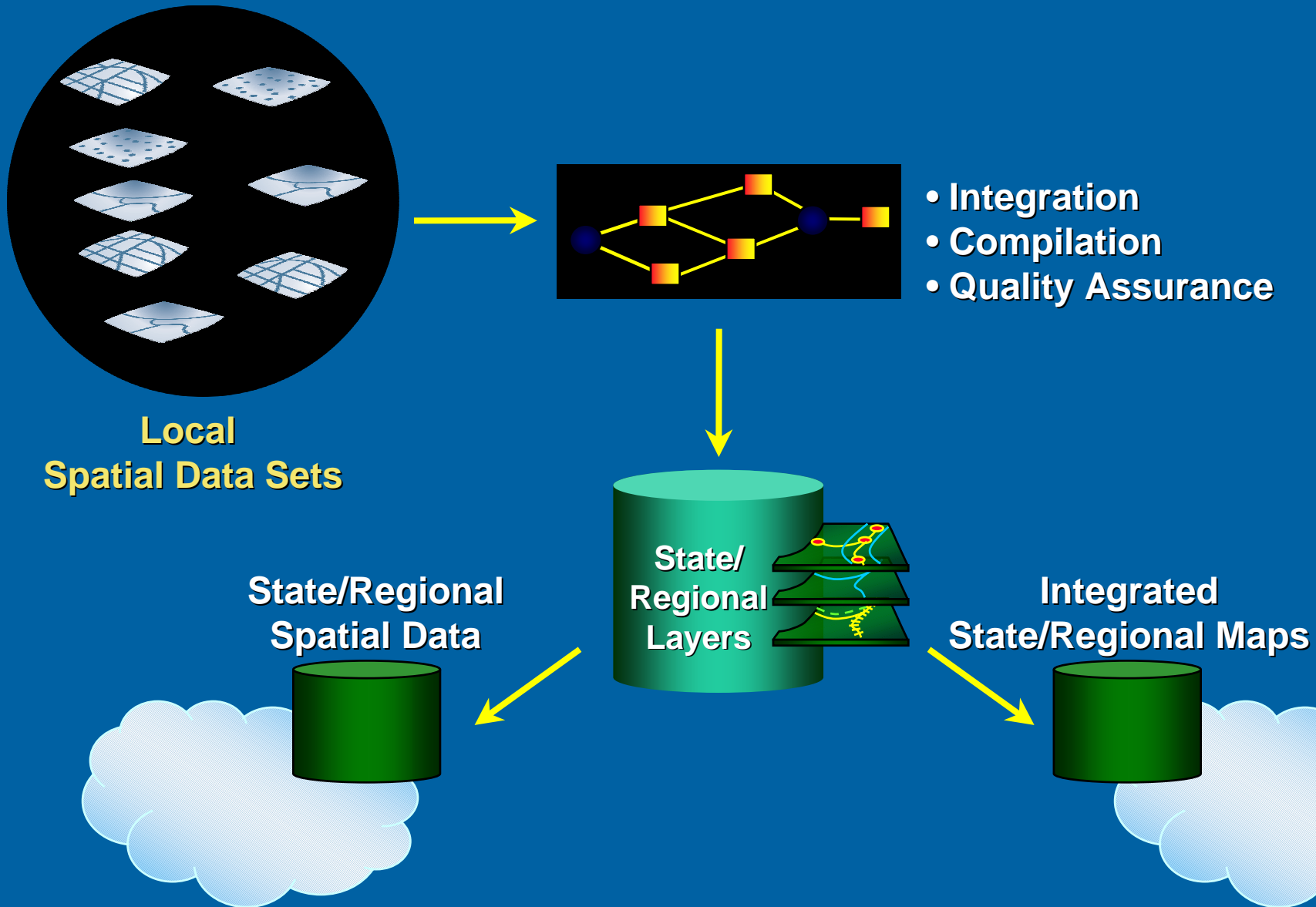
Technology Modernization and Integration

- Build a Geographic Information System for the Nation

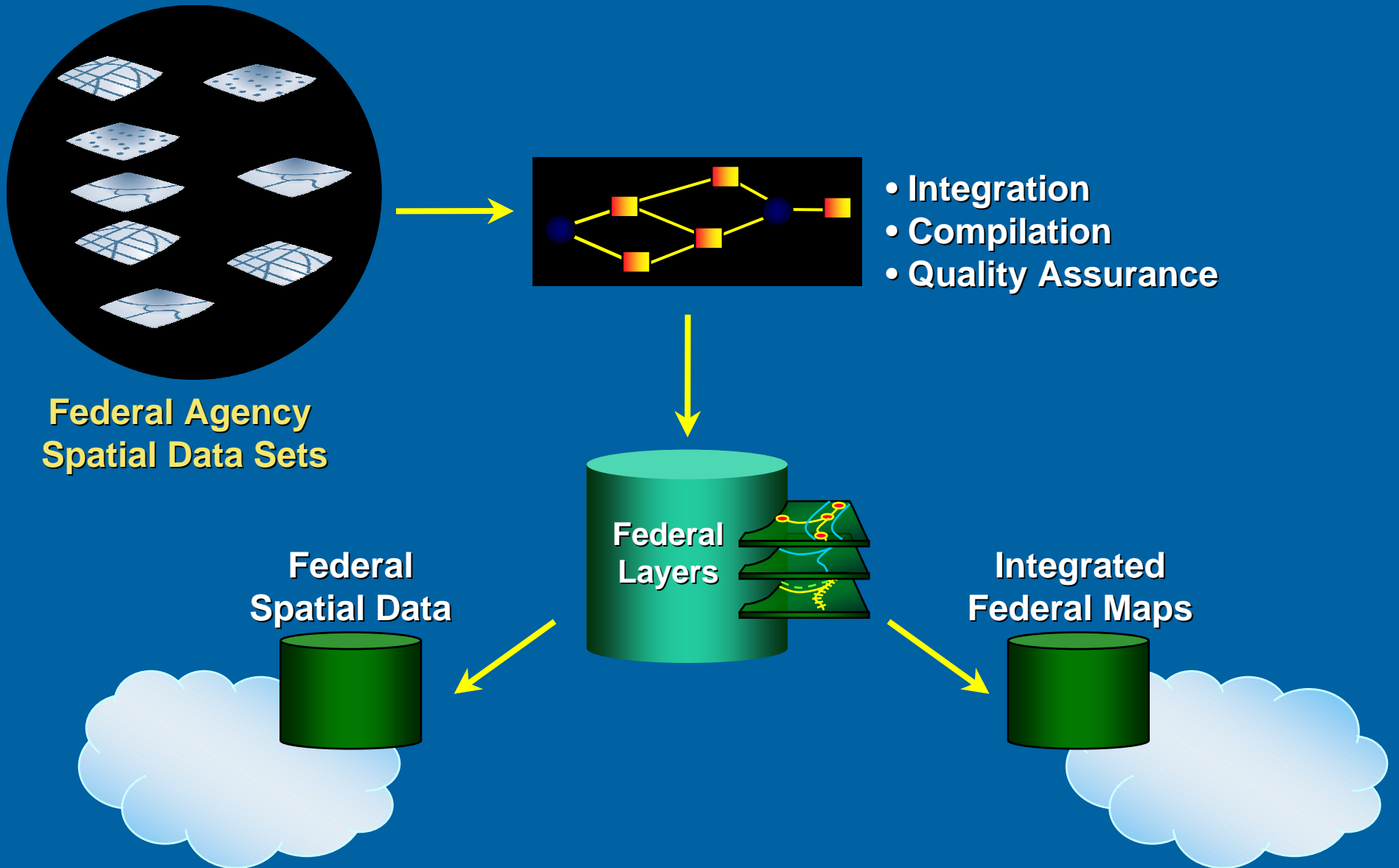
Components of GIS for the Nation



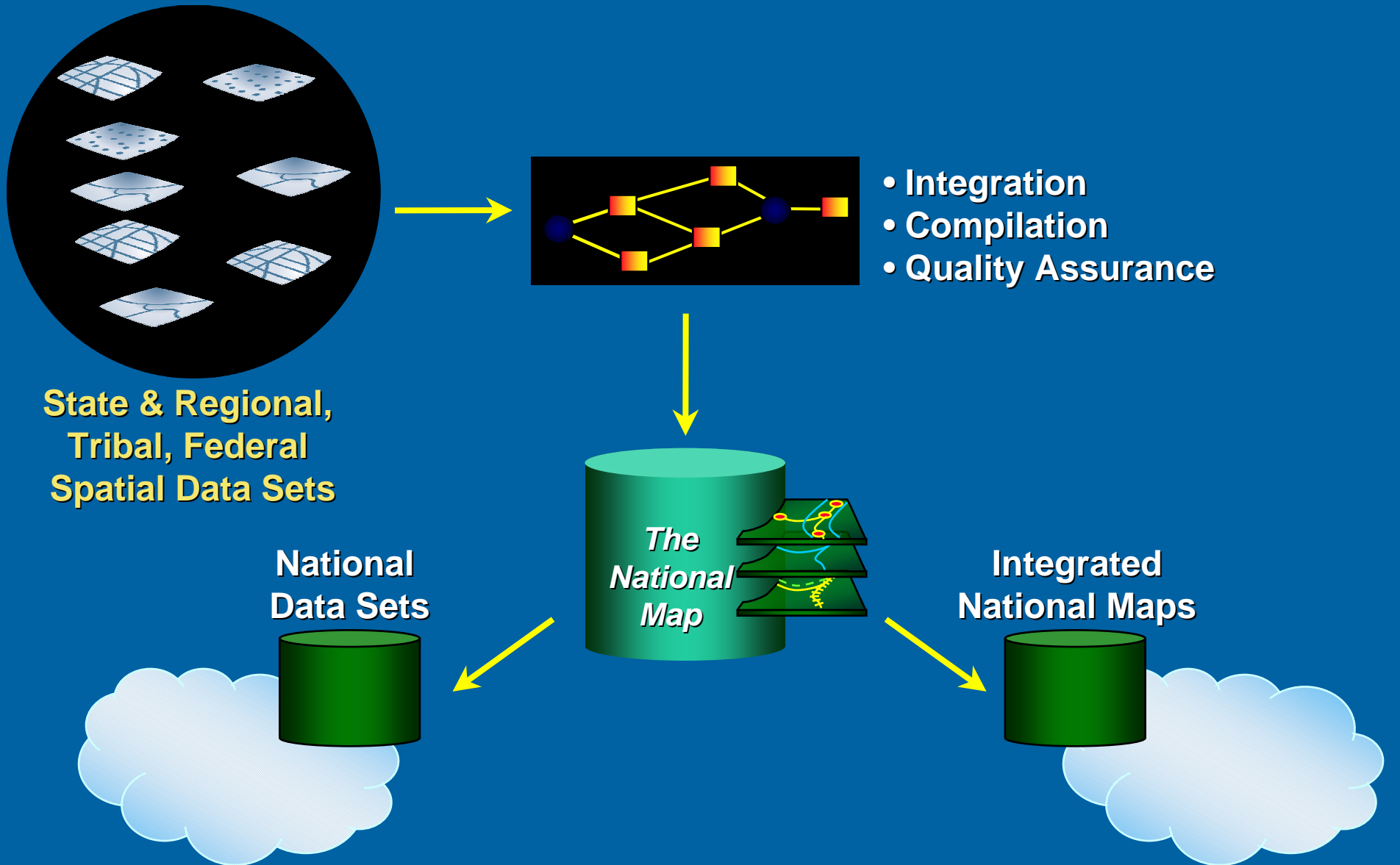
Local/State/Regional Government Role



Federal Government Role

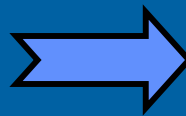
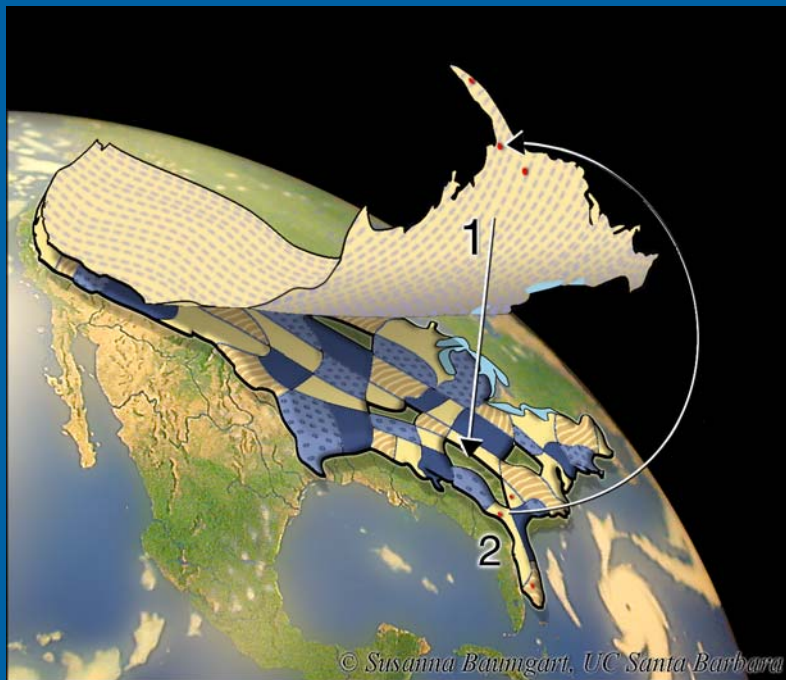


NGPO Role as Integrator

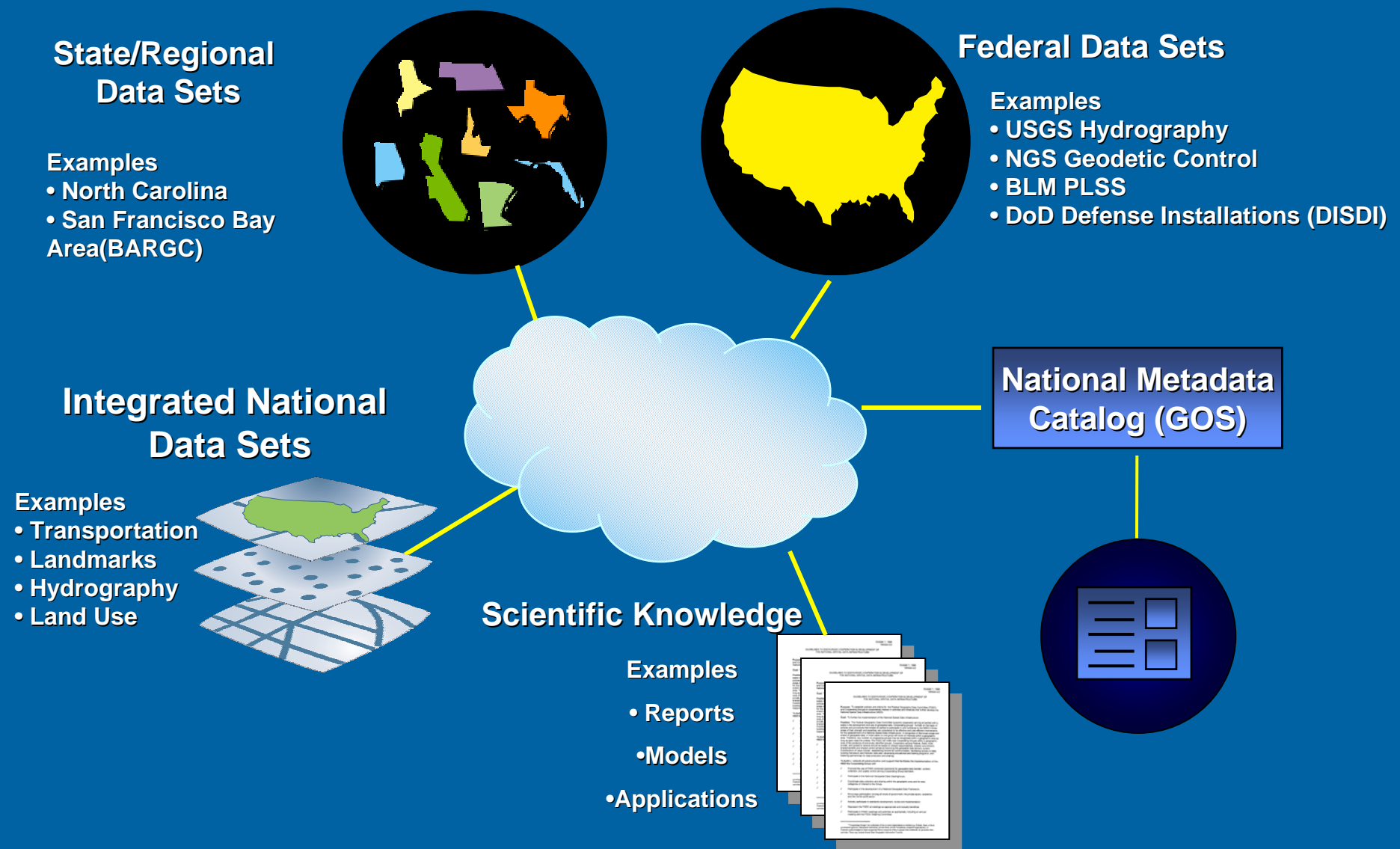


A Tapestry of Base Content

- Ensure a Tapestry of Base Content by December, 2006

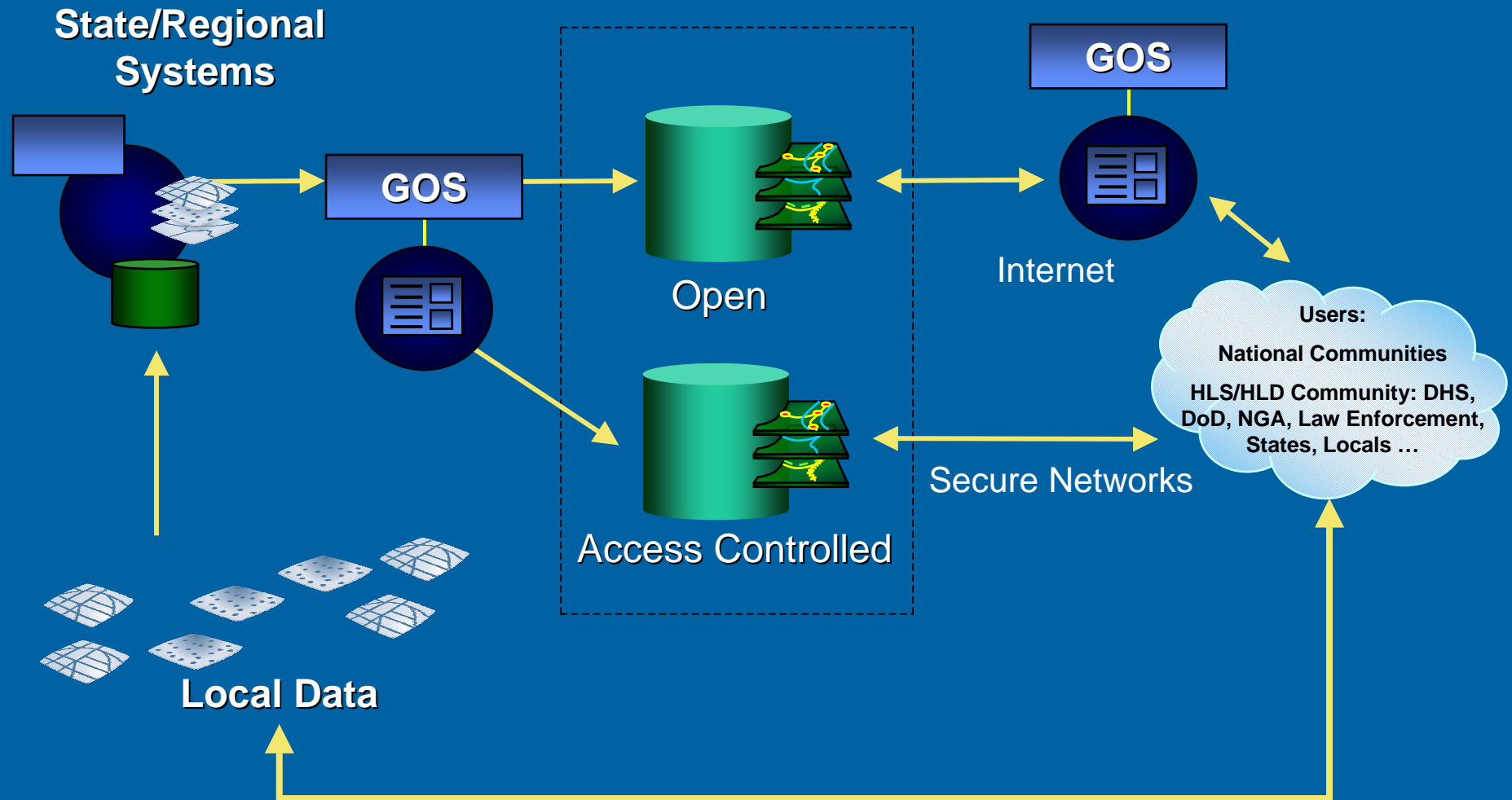


NGPO Role: Geospatial One-Stop (GOS)



National Data Flows

National Compilation



National GI Templates

- **Develop content and process standards for NSDI framework layers**
 - Data content, capture, and processing standards
 - Data import and migration procedures
 - QA/QC, maintenance, and updating procedures
 - Production of standard map products
 - Data sharing agreements
 - Security standards and procedures
 - Hardware, software, and infrastructure standards
 - Operational Use / sample applications
- **Demonstrate data QA/QC, maintenance, and updating workflow**
- **Design a strategy for outreach and implementation on the National Level**

Goal: Partnerships with Purpose

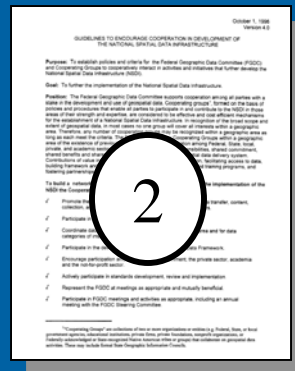
- Implement a long-term, sustainable approach to advancing the NSDI
- Make strategic geospatial investments that leverage resources across levels of government
- Create synergy by aligning with priorities and plans of the states and regional/local consortia
- Develop the ability to measure and project NSDI advancements

Proposal for Discussion

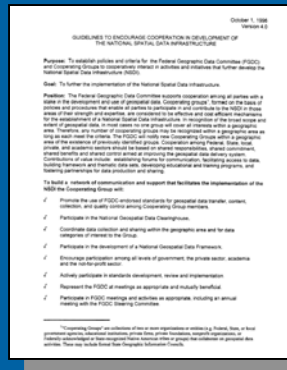
- **Umbrella Agreement between NGPO and State or Regional/local consortia**
- **Joint Development of Long-term Geospatial Strategic Plans**



State/NGPO Umbrella Agreement (MOU)



Joint, Long-term
Plan to Develop the
NSDI



Long-term Plan will be used by NGPO to:

- Help guide NGPO investments to align with state/local investments through strategic planning
- Facilitate sustainable implementation of the NSDI
- Build synergy with states and other consortia by supporting and enhancing their goals
- Project NSDI advancements

Incentive Based Partnerships

Focus areas proposed for FY 2005 *CAP*

- NSDI Stewardship
 - ✓ Coordinating Councils
 - ✓ Strategic Plans
 - ✓ Stewardship
- Making Framework Real
- Education and Outreach