

OKLAHOMA GEOGRAPHIC INFORMATION COUNCIL

*Where We Have Been,
Where We Are
and
Where We Are Going*

Creation of the State GI Council

➤ Authorized in 1994 by SB 722

Title 82 O.S. § 1501-205.1

- ✓ Consisted of 11 member agencies and university representatives
- ✓ Designated the OK Conservation Commission as the Chair of the Council
- ✓ Original mission was to assist the Conservation Commission in the preparation of a strategy for the development of a statewide GIS and the submission of that strategy to the Legislative leadership

Creation of the State GI Council

➤ HB 1964 in 1995

✓ Added three additional members to the Council

- State Finance, OK Tax Commission, Regional Universities

✓ Created Digital Orthophoto Base Mapping Fund

Title 82 O.S. § 1501-205.2 – Geographic Information Revolving Fund

➤ Amendment in 2001

✓ Added additional member to the Council

- *OK Wildlife Conservation Commission*

2002/2003 – What Is The Role Of The GIS Council?

- Growing GIS community
- 9/11 Homeland Security
- Federal/Private Funding Opportunities
- Prevent Overlap and Duplication of GIS Activities in Oklahoma

Changes to the State GI Council

- Legislative Interim Study H2003-105
 - ✓ Presented December 4, 2003
 - ✓ Issues for Consideration
 - Add Public Safety/County/Local Members
 - Designate a State-wide Coordinator
 - Authority to Set Policy & Standards

Goals

- Reduce Duplication of Efforts
- Enhanced Homeland Security
- Awareness of Available Data
- Data Works Across Jurisdictional Lines
- Data Reliability
- Agency Coordination & Involve More Agencies
- Cost Savings to Taxpayers

Changes to the State GI Governance

➤ HB 2457 in 2004

- ✓ Changed the name from State GIS Council to State GI Council
- ✓ Added 4 new members to the Council
 - Homeland Security, County Assessors, City Government, OK Association of Regional Councils
- ✓ Specified Duties for the Council
- ✓ Re-established the GI Revolving Fund
- ✓ Created the Office of Geographic Information
 - Specified Duties for the Office
- ✓ Created the State Geographic Information Coordinator Position

State Geographic Information Council

19 Members

- ◆ Oklahoma Conservation Commission
- ◆ Department of Environmental Quality
- ◆ Corporation Commission
- ◆ Oklahoma Department of Commerce
- ◆ Oklahoma Department of Agriculture, Food and Forestry
- ◆ Oklahoma Water Resources Board
- ◆ Department of Transportation
- ◆ State Geographer
- ◆ Oklahoma Geological Survey
- ◆ Center for Spatial Analysis of the University of Oklahoma
- ◆ Division of Agricultural Sciences and Natural Resources of Oklahoma State University
- ◆ Ad Valorem Division of the Oklahoma Tax Commission
- ◆ Representative of the Oklahoma Regional Universities
- ◆ Information Services of the Office of State Finance
- ◆ Wildlife Conservation

State Geographic Information Council

19 Members – 4 New

- ◆ Director of Homeland Security
- ◆ Three members appointed by the Governor
 - ◆ Representative of the Oklahoma Association of Regional Councils
 - ◆ Representative of County Assessors
 - ◆ Representative of City Government

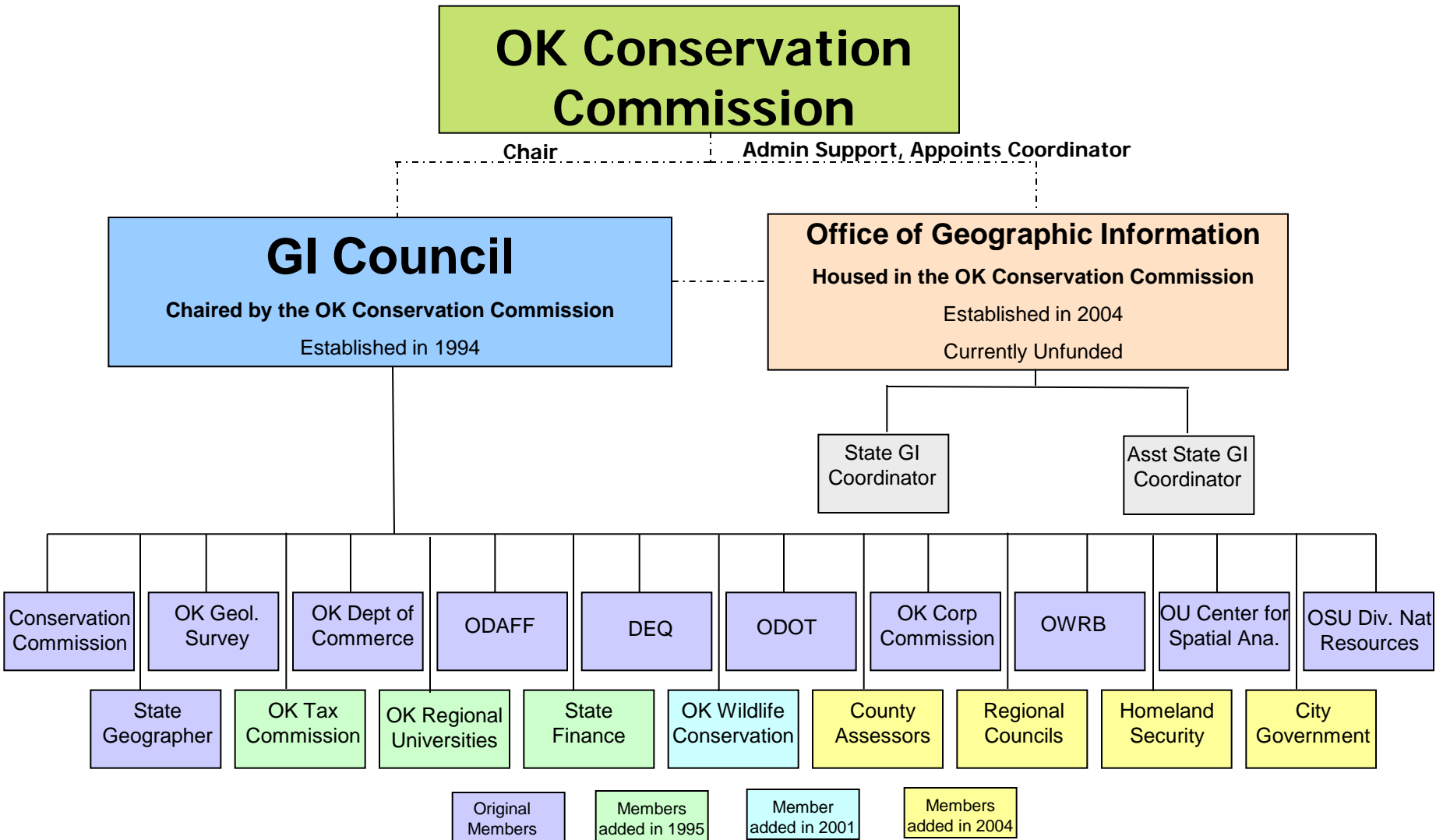
Activities of the State GI Council

- Monthly Meetings
- GIS Day at the Capitol
- GI Council Website
 - ✓ www.okmaps.onenet.net
- OK GIS List Serve (In Cooperation with CSA)
 - ✓ www.csa.ou.edu

Office of Geographic Information

- Office and State Coordinator Position
Currently Unfunded
- Volunteer Staff
- Projects include:
 - ✓ Strategic Plan Grant completed in 2007
 - ✓ Serving up NAIP Photography (in cooperation with CSA)
 - ✓ Homeland Security Grant – Development of State GI Clearinghouse

Structure of the State GI Council



Providing for Meeting of the Council:

- Chair of the Council shall be the Director of the Conservation Commission
- Meetings will be called by the Chair
- A majority of the membership of the Council constitutes a quorum for the conduct of business
- The Council will meet at least twice a year and the chair may call a meeting of the Council as often as necessary to transact business.

A member of the Council shall not:

- Be an officer, employee or paid consultant of a business entity that has substantial interest in the GIS industry
- Own, control, or have directly or indirectly, more than ten percent interest in a business entity that has a substantial interest in the GIS industry
- Be an officer, employee, or paid consultant of a business entity that is connected with any contract or bid for furnishing GIS to any governmental body of the state
- Be a person required to register as a lobbyist on behalf of a business entity or trade association that has substantial interest in the GIS industry.
- Accept or receive money or another thing of value from an individual, firm, or corporation to whom a contract may be awarded.

The Duties of the Council shall include Overseeing the Office of Geographic Information concerning the following:

- Development, adoption, and recommendation of standards and procedures
- Development of a strategy for the implementation and funding of a statewide GIS
- Development, delivery, and periodic revision of a statewide GIS plan and annually reporting to the Governor and the Legislature
- Promotion of collaboration and sharing of data and data development

Neither the Council nor its members shall have the power to form or award contracts or to employ staff. Members appointed by the Governor shall serve without compensation.

Office of Geographic Information

- There is hereby established an Office of Geographic Information in the Oklahoma Conservation Commission.
- The Executive Director of the Oklahoma Conservation Commission shall appoint, after consultation with the Council, a person of suitable training, experience and knowledge to manage the Office with the title of State Geographic Information Coordinator.
- The office may solicit, receive and consider proposals for funding from any state agency, federal agency, local government, university, nonprofit organization or private person or corporation. Additionally, the office may receive a specific legislative appropriation within the appropriation for the Oklahoma Conservation Commission

The Office Shall:

- Provide staff support and technical assistance to the Council
- Establish a central statewide geographic information clearinghouse
- Coordinate any grant programs
- Coordinate multi agency GIS projects
- Provide access to consulting and technical assistance
- Develop, maintain, update and interpret GIS standards

The Office Shall:

- Provide GIS services
- Evaluate, participate in pilot studies and make recommendations on GIS hardware and software
- Prepare proposed legislation and funding proposals for the Legislature
- Address data sensitivity issues
- Provide an annual report to the Governor and Legislature



Special points of interest:

- The Fifty States Initiative offers a new “foundation” for the National Spatial Data Infrastructure (NSDI)
- A work group of Federal, State and Local government members created the action plan
- The initiative stresses the wise use of existing funding mechanisms
- In the absence of these recommended coordination criteria, government agencies will waste money and duplicate effort

FGDC and NSGIC Begin Implementing the Fifty States Initiative

The Fifty States Initiative outlines a fundamental change in the way all governments should work together to build the National Spatial Data Infrastructure (NSDI). Instead of the current “build it and they will come” philosophy that relies on random grants and partnerships, a new program emphasizing strategic and business planning with specifically targeted implementation grants, performance measures and incentives will be employed.

This initiative is one of twelve planning activities that were begun as part of the Federal Geographic Data Committee’s (FGDC) *Future Directions* strategic planning process. For further details on all of the Future Directions projects, see the FGDC web page at the URL listed below.

The Action Plan for the Fifty States Initiative was approved for implementation by the NSGIC Board of Directors and by the Federal Geographic Data Committee. It identifies

the criteria, characteristics and activities that will lead to effective coordination councils in the future. In addition, it lays out implementation steps that the Federal government and other entities need to undertake to establish more formal statewide coordination councils that will take an active roll in completing the NSDI. In this document, the term “statewide” applies to the states, the District of Columbia, Puerto Rico, and all of the Insular Areas.

Criteria for Effective Coordination

- Full-time, Paid Coordinator
- Clearly defined authority
- Formal relationship with state CIO
- A Champion
- Framework Data/State Clearinghouse
- Ability to work/coordinate with stakeholders

Criteria for Effective Coordination

- Sustainable funding
- Coordinators can contract/administer funds
- Federal government uses statewide coordination office as a clearinghouse for grant opportunities

50-State Initiative

- A Partnership between NSGIC and FGDC.
- Utilizes Strategic and Business Planning to implement effective coordination of geospatial information technologies.
- Oklahoma received a 2006 FGDC CAP grant to develop a Strategic and Business Plan for the Council/OGI.

Strategic & Business Plan Development-OGI/Council

- \$ 50,000 CAP Grant/50 % match
- Strategic Planning Facilitator
- Review the 1991/1996 Strategic Plans
- Needs Assessment-Electronic Survey & Focus Groups-Public & Private Sectors
- Conduct a SWOT analysis of current GI climate

Strategic & Business Plan Development-Outcomes

- Identify practical vision for 3 year plan
- Develop strategic directions and goals for this 3 year plan
- Develop a one-year implementation plan with measurable objectives
- Construct a business plan including a return on investment to justify funding

Strategic and Business Plan Office of Geographic Information

<http://okmaps.onenet.net/documents/OGI%20Strategic%20Plan%20-%20Final%20Draft.pdf>

OGI Mission

The OK OGI provides geographic information services to governments, academia, industry, and the public. The Office:

- **Supports the GI Council with technical assistance.**
- **Coordinates and promotes geographic information awareness, activities, data, and training.**
- **Develops standards, policies, and operating procedures.**
- **Maintains a centralized statewide clearinghouse of accurate and timely data while protecting data security.**
- **Facilitates data development, sharing and access.**
- **Fosters the values and benefits of GIS technology to ensure good stewardship of the State's resources.**

OGI Organizational Vision

The OGI's statewide spatial data infrastructure is consistent with appropriate national standards and supports the notion of a National Spatial Data Infrastructure or NSDI, thereby promoting OK as a national leader in leveraging Geographic Information Systems to benefit both the State and the Nation.

Strategic Direction and Goals

Building a Sustainable Future

- 1. Annually prepare three-year budget.**
- 2. Annually complete 3-year strategic plan.**
- 3. Develop state coordinator and GI job classifications and descriptions for approval.**
- 4. State GI coordinator hired and dedicated solely to OGI initiatives.**
- 5. Conduct awareness campaign with agency directors and legislative leaders.**
- 6. Establish executive level Council and legislative commitments.**
- 7. Establish ongoing OGI strategic review process.**
- 8. Conduct annual review and update of OGI Strategic Plan.**
- 9. Develop professional Geographic Information Organization for Oklahoma.**

Strategic Direction and Goals

Marketing GI as an Important Decision Making Tool

- 1. Create comparative analysis report to project ROI.**
- 2. Develop pilot project to increase awareness of GIS need.**
- 3. Increase website utility.**
- 4. Conduct GIS awareness campaign across Oklahoma.**
- 5. Plan and host annual statewide conference featuring best practices recognition.**
- 6. Foster training and education.**

Strategic Direction and Goals

Maximize Geographic Information Benefits for the State

1. Participate in national multi-state GI organizations.
2. Participate in regional and national coordination efforts.
3. Initiate data sharing/stewardship agreements among specific stakeholders.
4. Organize an integrated data development consortium.
5. Leverage existing national organization participation.
6. Leverage national resources and initiatives to receive maximum benefits.
7. Develop partnerships for data sharing and stewardship.
8. Establish official statewide information clearinghouse.

National Spatial Data Infrastructure

NSDI - What Is It ?

- **Public Policies** - Public Access for Federal Data, Data Sharing, Privacy Protection, Reduce Duplication, Use Effective Business Practices (Unify and Simplify)
- **Technology** - NSDI Clearinghouse, Interoperable Geoprocessing
- **Standards** - Metadata, Data Standards, Framework Data
- **Resources** - Partnerships, Collaboration, Leverage Investments, Grant Program

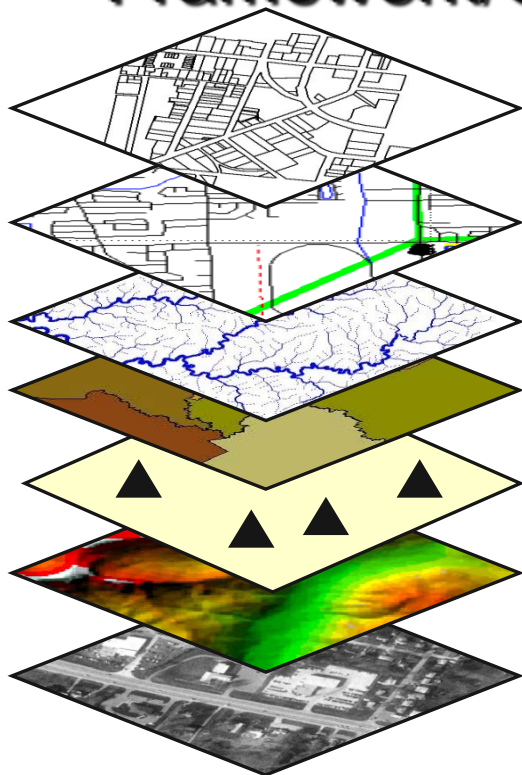
The Vision of the NSDI

To assure that spatial data from multiple sources (Federal, State, and local governments, academia, and the private sector) are widely available and easily integrated to enhance knowledge and understanding of our physical and cultural world.

Access, Sharing, Interoperability and Relationships to Build Once, Use Many Times



Framework/Core Data



Cadastral

Transportation

Hydrography

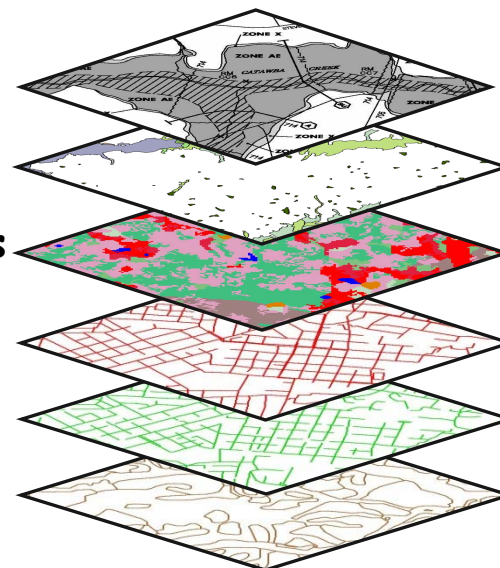
Government Units

Geodetic Control

Elevation

Imagery

Other Thematic Data



Crime data

Demographic

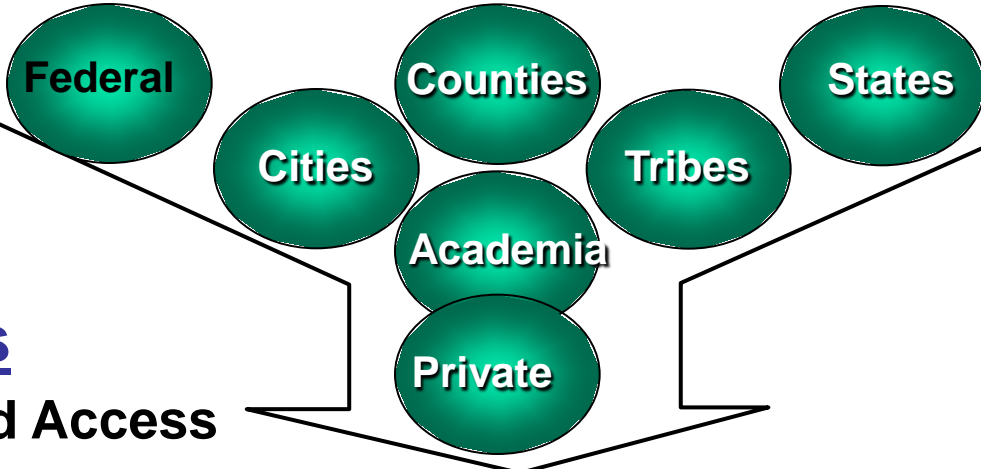
Landcover

Biological

Economic

Social

Leading the Development of Partnerships to Build the OSDI → NSDI

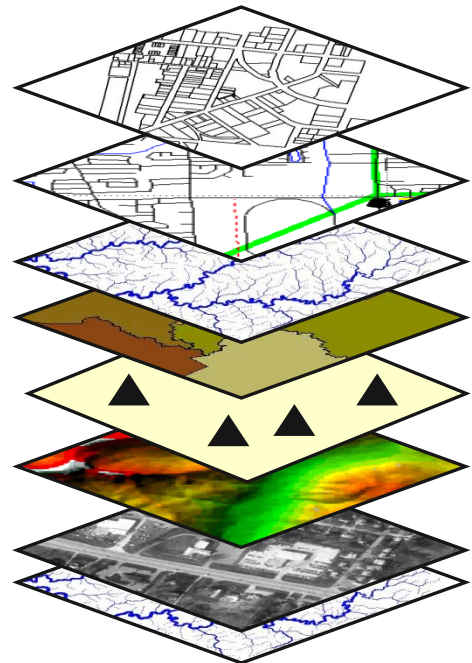


OKMaps

- Discovery and Access
- Common Infrastructure
- Harvesting
- Integrated Content
- Seamless Base
- Map Products
- Framework Focus
- OGC Web Services

FGDC

- Coordination
- Standards/Policy
- Training



- Land Cover
- Transportation
- Surface Waters
- Boundaries
- Structures
- Elevation
- Aerial Imagery
- Geographic Names



OKMaps

*The State of Oklahoma's
Official Clearinghouse for
Geographic Data*

<http://ogi.state.ok.us/ogi/search.aspx>

Framework Inventory & Stewardship Workgroup

- Define the State's spatial data framework themes and underlying layers.
- Develop a Standards-based process that will guide the development and stewardship of these framework themes and layers.
- A permanent Council Initiative.
- Membership composed of representatives of:
 - City, County, Regional, State, Tribal & Federal Agencies
 - Academia
 - Utilities
 - Private Sector

HB 1086-Section 7 (2011)

Title 62 O.S. § 34.11.5

- ***OK State Gov't Geographic Information One-Stop Initiative***
 - State Geographic Information Coordinator to establish an online web presence for public access to geodata
 - SGI Coordinator shall establish procedures for submitting geodata to OGI for publication
 - Applies to all state agencies, board, commissions and public trusts having the State of Oklahoma as a beneficiary
 - Geodata = Spatial or Geographic Information