

# Geospatial One Stop

## Building Blocks for Implementing the National Spatial Data Infrastructure

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# Geospatial One Stop

## Purpose of the project:

- Making it:
  - Easier
  - Faster
  - Less expensive

For all levels of government and the public to access geospatial information.

# Geospatial One Stop

- **Raises the visibility and strategic value of geographic information.**
- **Increases federal agency accountability for the stewardship and sharing of geospatial resources.**
- **Establishes a collaborative model for directing an intergovernmental initiative.**

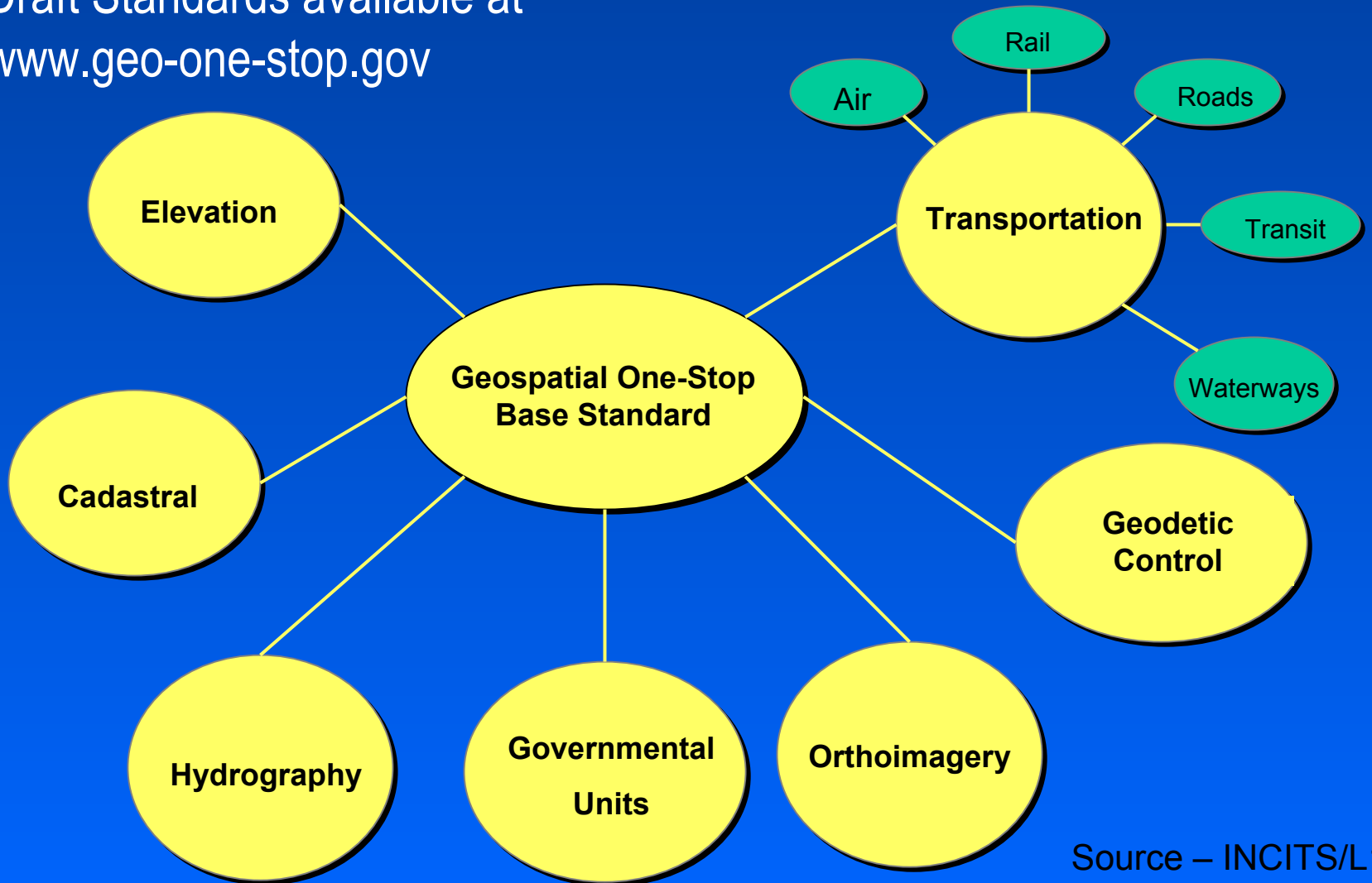
# Geospatial One Stop

## Project Modules

- **Framework data standards**
- **Existing data inventory**
- **Data acquisition marketplace**
- **Web services and portal design**
- **Portal Implementation**

# Framework Standards

Draft Standards available at  
[www.geo-one-stop.gov](http://www.geo-one-stop.gov)



Source – INCITS/L1

# Framework Standards Theme Leads

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# Existing and Planned Data

- Existing Federal Data Inventory
  - On-line tool for documenting data
  - Framework clearinghouse search interface
- Planned Acquisition Market Place
  - On-line tool to document data acquisition projects
  - Browser to locate projects by geography
  - Encourage partnerships

# GOS Portal & Web Services

## Goals

- Establish web-based Portal for access to maps, data, and map services
  - Enable intuitive discovery of geospatial data
  - Rely on standardized web services & metadata
- Empower all governments to benefit from web services for data
- Use Geo-Partnerships to bring state/local/tribal providers on-line



# Geospatial One Stop

**Will improve our collective ability to:**

- **Support the business of government**
- **Support decision making**

Federal

Counties

States

Cities

Tribes

Academia

**GOS  
Portal**

- User Community
- Data Searches
- Map Services
- Visualization

**Integration Services**  
Support Government Business  
Support Decision Making

Smart  
Growth

Disaster  
Management

Homeland  
Security

Recreation  
One Stop

Watershed  
Management

Other E-gov  
Initiatives

Citizen  
Services

# Geo-Partnerships

## Expectations

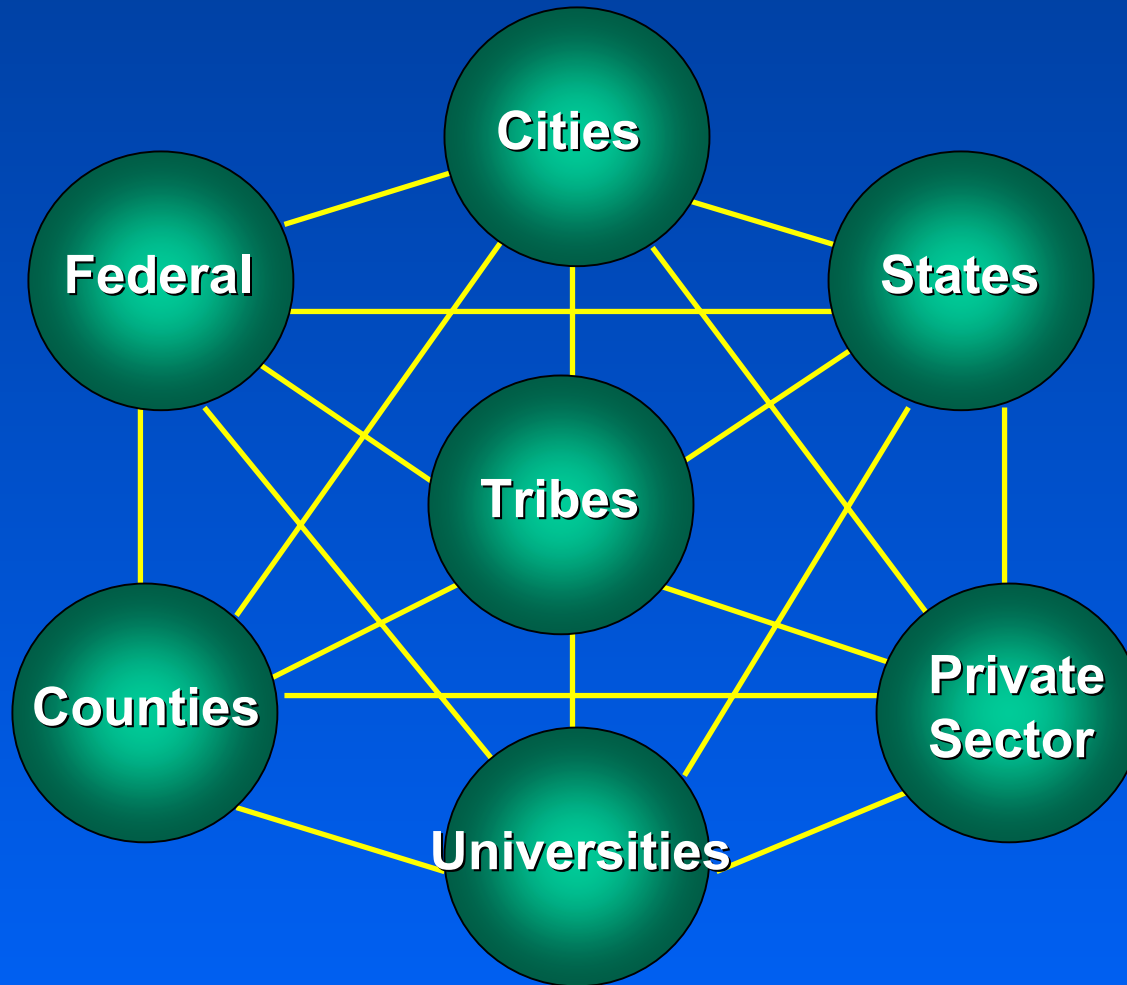
- Standards
- Metadata
- Stewardship

## Incentives

- Tools
- Training
- Software
- Grants

**Outcome: improved public services through stewardship and data sharing.**

# Implementing Geo-Partnerships Will Lead To:



**... a National Spatial Data Infrastructure**

# Layers of GOS Information Architecture

Decision makers - leaders acting upon geospatial information

Users - professionals viewing and analyzing data; citizens accessing map services

GOS Portal - gateway to distributed data holdings, map services, and metadata

On-line services - standardized access methods

Metadata - consistent and accurate descriptions of data

Framework standards - harmonization of data content models

Data - gathered & maintained by jurisdiction

GOS  
focus

# Geospatial One Stop Governance

## Intergovernmental Board of Directors

- National Association of State CIOs
- National States Geographic Information Council
- Western Governors Association
- National Association of Counties
- National League of Cities
- International City/County Managers Association
- Intertribal GIS Council
- Department of the Interior: USGS, BLM
- Department of Commerce: Census Bureau, NOAA
- Department of Transportation
- NASA

# Geospatial One Stop

## Highlights of Progress to Date

- Board of Directors and Management Team in place
- Consensus process developed draft standards for 10 themes (Framework +)
- Portal development underway
- Federal agency data inventory underway
- Survey instrument for local data inventory complete
- Geodata Market Place under construction