

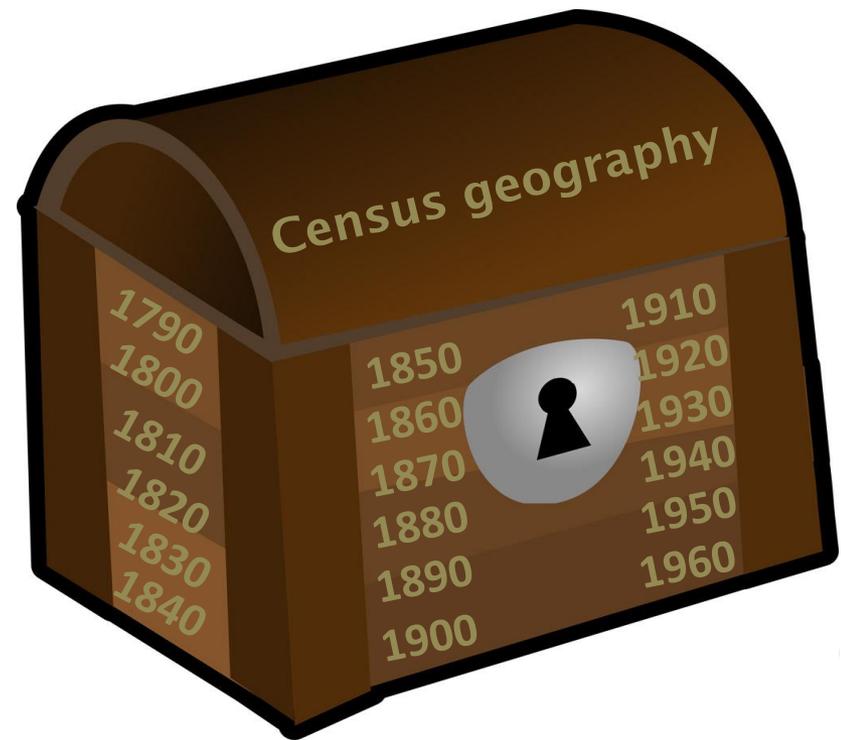
# Open Geospatial Data

## Federal Portfolio Management of Census Bureau's National Geospatial Data Assets (NGDAs)

Dierdre Bevington-Attardi  
Charles Spicer  
Geography Division  
Federal Geographic Coordination Branch  
March 15, 2017

# Census geography is a National Treasure.

*“...wealth or riches stored or accumulated”  
(that are sometimes hard to access).*



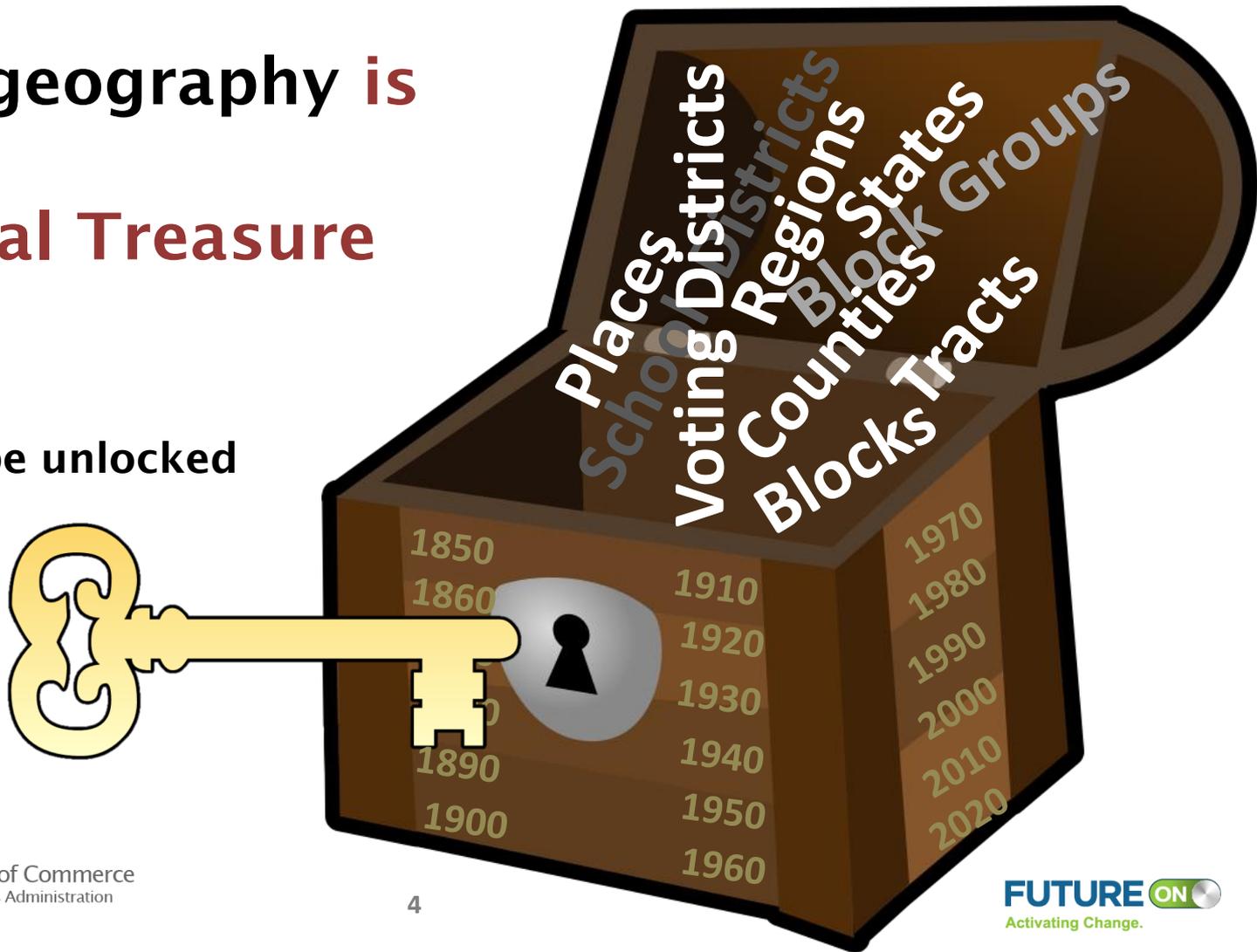


Abe Lincoln liked Census geography...

# Census geography is a National Treasure

that can be unlocked  
with

**GIS.**



Census geography is  
a National Treasure Asset

A better word!

*“...something valuable that an entity owns or benefits from”*

*“...anything valuable or useful” (that can be shared).*

# Census geography is geospatial data

“information that identifies the geographic location and characteristics of natural or constructed features and boundaries on the earth...”

“information about a physical object that can be represented by numerical values in a geographic coordinate system...”

“may include attribute data that describes the features found in the dataset...”

“data with a geographic component...or georeferenced data...”

“also known as GIS data or geodata...”

**Census geography is  
open geospatial data  
available from the  
Master Address File  
(MAF)/TIGER System.**

Topologically  
Integrated  
Geographic  
Encoding  
and Referencing

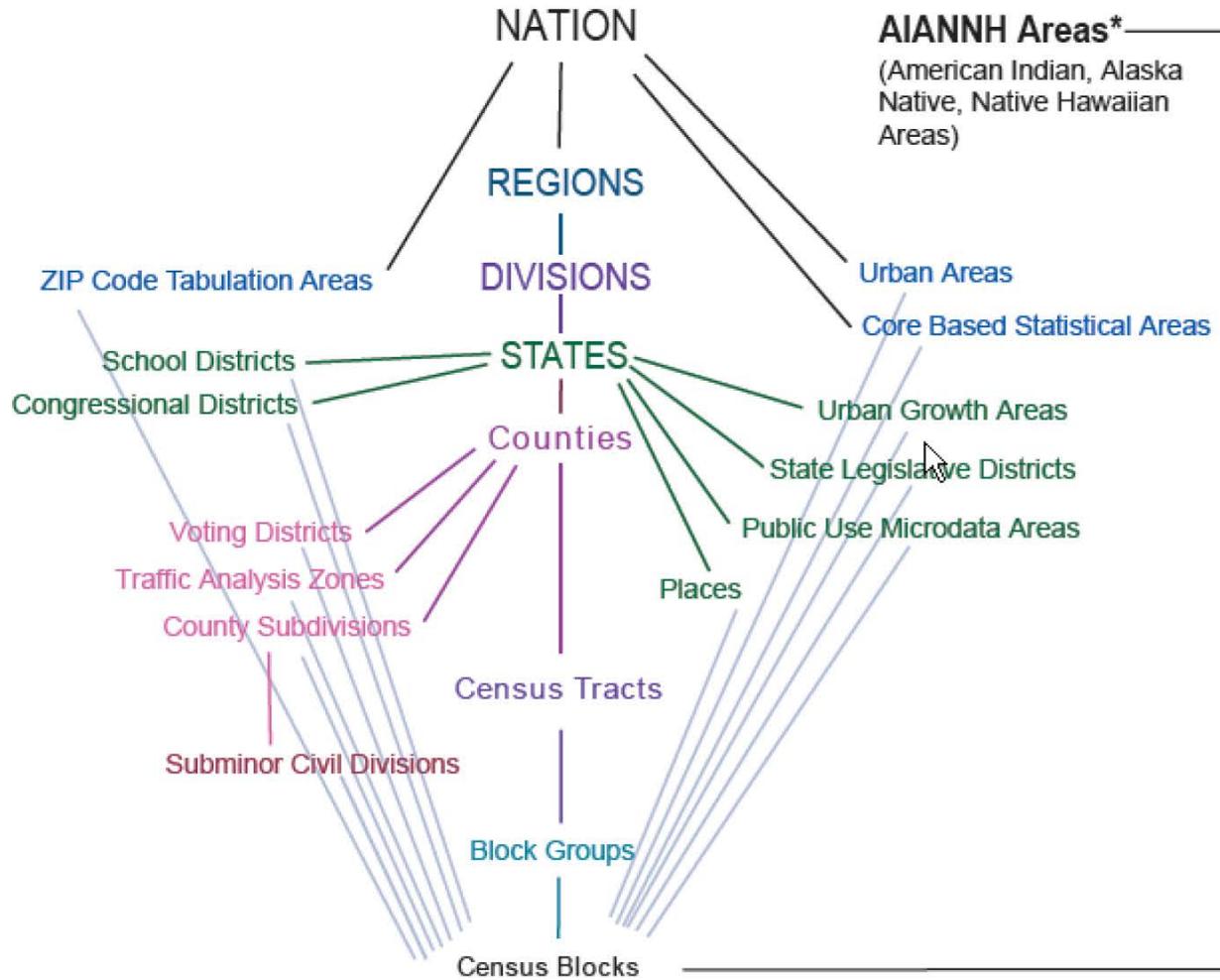
*...listen up!  
'topological' is the way  
that entities are  
interrelated or  
arranged!*



**...extracted as TIGER/Line shapefiles  
and geodatabases for GIS**

**...and viewed as Web Mapping Services  
(WMS) such as TIGERweb.**

# Standard Hierarchy of Census Geographic Entities



# Here are some important geospatial boundary data layers available as **TIGER/Line products**:

*....remember!  
census.gov is where  
you can find these  
TIGER/Line shapefiles,  
and more!*



- 115<sup>th</sup> Congressional District
- 2010 Census 5-digit ZIP Code Tabulation Area
- 2010 Census Population & Housing Unit Counts
- 2010 Census Public Use Microdata Area
- 2010 Census Urban Area
- 2010 Urban Growth Area
- 2010 Census Voting District
- American Indian/Alaska Native/Native Hawaiian (AIANNH) Homeland Areas
- American Indian Tribal Subdivision
- Alaska Native Regional Corporation (ANRC)
- Census Block
- Block Group
- Census Bureau Regional Office Boundaries
- Census Tract
- Combined New England City and Town Area
- Combined Statistical Area
- Consolidated City
- County and Equivalent
- County Subdivision
- Elementary School Districts
- Estate (U.S. Virgin Islands)
- Metropolitan Division
- Metropolitan Statistical Area/Micropolitan Statistical Area
- NECTA Division
- New England City and Town Area
- Place
- Secondary School District
- State and Equivalent
- State Legislative District (SLD) Lower Chamber
- State Legislative District (SLD) Upper Chamber
- Subbarrio (Subminor Civil Division)
- Tribal Block Group
- Tribal Census Tract
- Unified School Districts

# Federal Register Notices Support the Open Data Process

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You are here: [Census.gov](#) | [Geography](#) | [Reference](#) | Federal Register Notices

## Geography

Main | **Atlas** | Maps & Data | Reference | Partnerships | Education | Research | GIS | Contact Us

### Reference

[Reference Main Page](#)

#### Definitions

- Geographic Areas Reference Manual
- Geography Web Atlas
- Hierarchy Diagrams
- Terms & Concepts

#### Reference

- Centers of Population
- Change Notes
- County Adjacency File
- Federal Register Notices**
- Gazetteer Files
- Geographic Codes
- Guide to State and Local Geography
- Incorporations, Mergers, Consolidations, and Disincorporations
- Resources for Mapping Census Data
- State Area Measurements
- Substantial County Changes

#### Geographic Concepts

- Metropolitan and Micropolitan Statistical Areas
- Public Use Microdata Areas

### Federal Register Notices

Title
Geographically Updated Population Certification Program (GUPCP)
Geographically Updated Population Certification Program (GUPCP)
LUCA
Procedures for Participation in the Appeals Process for the 2010 Decennial Census Local Update (LUCA) Program
Final Procedures for Participation in the 2010 Census Local Update of Census Addresses Program
Procedures for Participation in the Census Local Update of Census Addresses (LUCA) Program
Submission for Office of Management and Budget (OMB) Review; Comment Request
Local Update of Census Addresses (LUCA) Program
New Construction
Procedures for Participating in the 2010 Decennial Census New Construction Program
Procedures for Participating in the 2010 Census New Construction Program
Participant Statistical Areas Program (P8AP)
Block Group Federal Register Notice (Final Criteria)
Census Tract Federal Register Notice (Final Criteria)
Census Designated Place (CDP) Federal Register Notice (Final Criteria)
Census County Divisions (CCD) Federal Register Notice (Final Criteria)
T8AP/American Indian and Alaska Native Programs
2010 Census American Indian areas Federal Register notice (final criteria and guidelines)
2010 Census Alaska Native areas Federal Register notice (final criteria and guidelines)
American Indian and Alaska Native Areas (AIANAs) Geographic Program for Census 2000 - Final Criteria
Proposed American Indian and Alaska Native Areas (AIANA) Geographic Program for Census 2000
2010 Urban Areas
Qualifying Urban Areas for the 2010 Census
Final Urban Area Criteria for the 2010 Census
Proposed Urban Area Criteria for the 2010 Census
2000 Urban Areas
November 20, 2002 "Urban Area Criteria for Census 2000; Correction"
August 23, 2002 "Urban Area Criteria for Census 2000; Correction"
Qualifying Urban Areas for Census 2000: Notice

**DEPARTMENT OF COMMERCE**  
**Bureau of the Census**  
 [Docket Number 070321065-7903-02]  
**Census Tract Program for the 2010 Decennial Census—Final Criteria**  
**AGENCY:** Bureau of the Census, Commerce.

**DEPARTMENT OF COMMERCE**  
**Bureau of the Census**  
 [Docket Number 070126022-8027-02]  
**Census Block Group Program for the 2010 Decennial Census—Final Criteria**  
**AGENCY:** Bureau of the Census, Commerce.  
**ACTION:** Notice of final criteria and program implementation.

**SUMMARY:** Block groups are statistical geographic divisions of a census tract, defined for the tabulation and presentation of decennial census data. Block groups also will be used to tabulate and present period estimates from the American Community Survey (ACS)<sup>1</sup> after 2010. Block groups provide

# Census geography is open geospatial data **POP QUIZ!**



## When did Census geography become **open geospatial data**?

- a. On **DAY ONE** of the Census Bureau (1790)
- b. When **TIGER** was born (around 1970)
- c. When people really started to use **GIS** (around 1990)
- d. All of the above

## When did Census geography become **open geospatial data**?

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- c. When people really started to use **GIS** (around 1990)
- d. All of the above**

In the early 1990's federal decision makers began to think about:

# National Assets + Geospatial Data

... ways to make these easier for the public to access and use.

# Two important documents:

**OMB Circular No. A-16:** Coordination of Geographic Information and Related Spatial Data Activities, 1953 (revised in 1967, 1990, 2002, 2010)

...established the **Federal Geographic Data Committee (FGDC).**

**Executive Order No. 12906:** Coordinating Geographic Data Acquisition and Access: The National Spatial Data Infrastructure (NSDI), 1994

...expanded a geospatial data sharing program through the **National Spatial Data Infrastructure (NSDI)**

# Some Other Presidential Directives:

- **Office of Management and Budget (OMB), Circular No. A-16**, Coordination of Geographic Information and Related Spatial Data Activities, 1953 (revised 1967, 1990, 2002, and 2010)
- **Executive Order No. 12906**, Coordinating Geographic Data Acquisition and Access: The **National Spatial Data Infrastructure (NSDI)**, 59 Fed. Reg. 17,671 (April 11, 1994)
- **OMB, Circular A-130**, Managing Information as a Strategic Resource, 2000 (revised 2016)
- **Open Government Directive** (December 8, 2009) to publish government information online in open formats that can be “retrieved, downloaded, indexed, and searched”
- **Federal Information Technology Shared Services Strategy** (May 2, 2012) to eliminate wasteful spending that result from duplication
- **Memorandum “Building a 21<sup>st</sup> Century Digital Government”** (May 23, 2012) from President Obama to deliver better digital services to the public
- **Executive Order “Making Open and Machine Readable the New Default for Government Information”** (May 9, 2013) —**free data on Data.gov**
- **OMB Memorandum M-13-13 “Open Data Policy—Managing Information as an Asset”** (May 9, 2013)

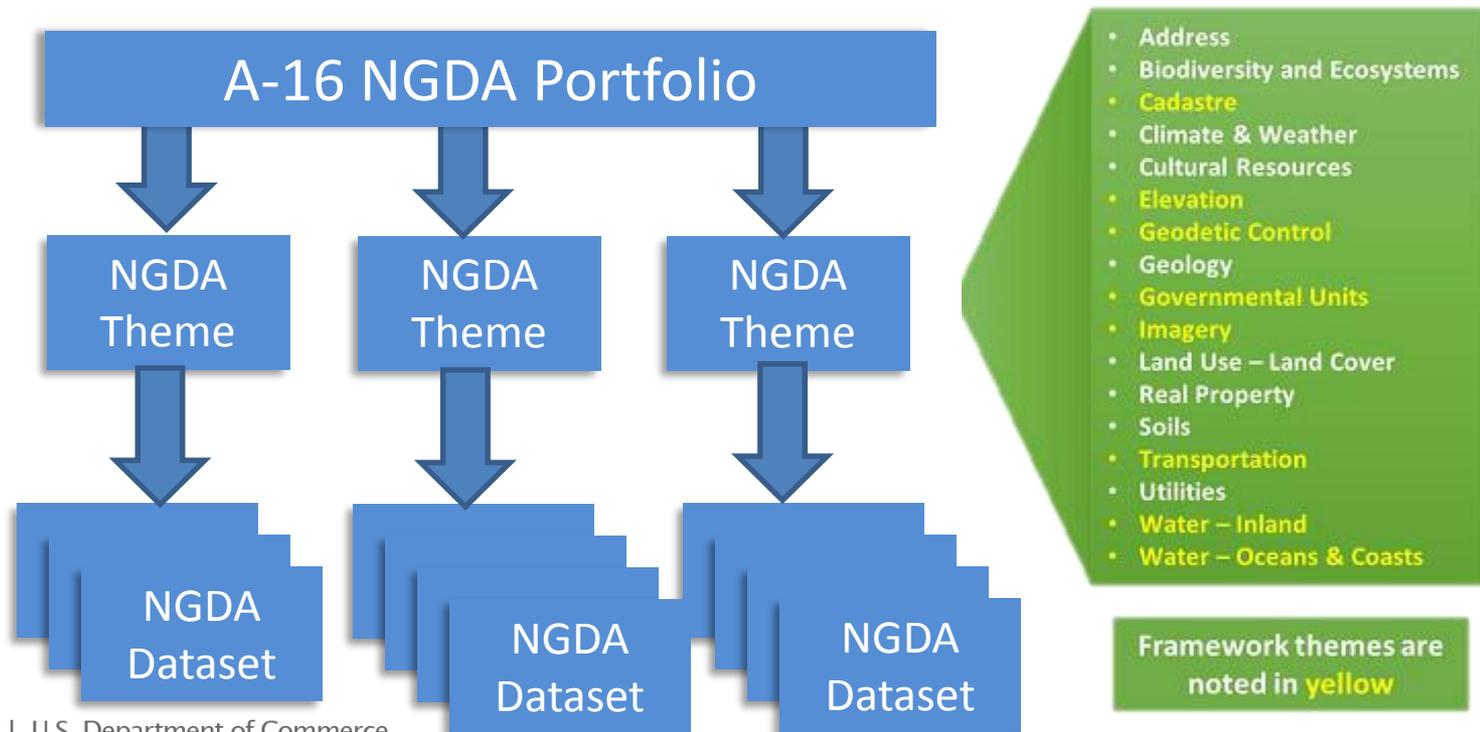
**National Assets + Geospatial Data =**

**National Geospatial Data Assets (NGDAs)**

*“...the standard core set of digital spatial information for the Nation that serve as a foundation for users of geographic information”*

# The FGDC introduced the **Portfolio Management Process** to build the NSDI

- ❑ Portfolio of A-16 Themes
- ❑ National Geospatial Data Asset (NGDA) Themes
- ❑ NGDA Datasets



# National Spatial Data Infrastructure (NSDI)

honors key public values for data use:

- **Privacy and security of the public's personal data** and accuracy of statistical information
- **Access for the public** to spatial data
- **Protection of proprietary interests** related to licensed information and data
- **Interoperability of federal information systems** to enable the drawing of resources from multiple federal agencies

# How does Census Bureau contribute to the NSDI?

# Governmental Units NGDA Datasets

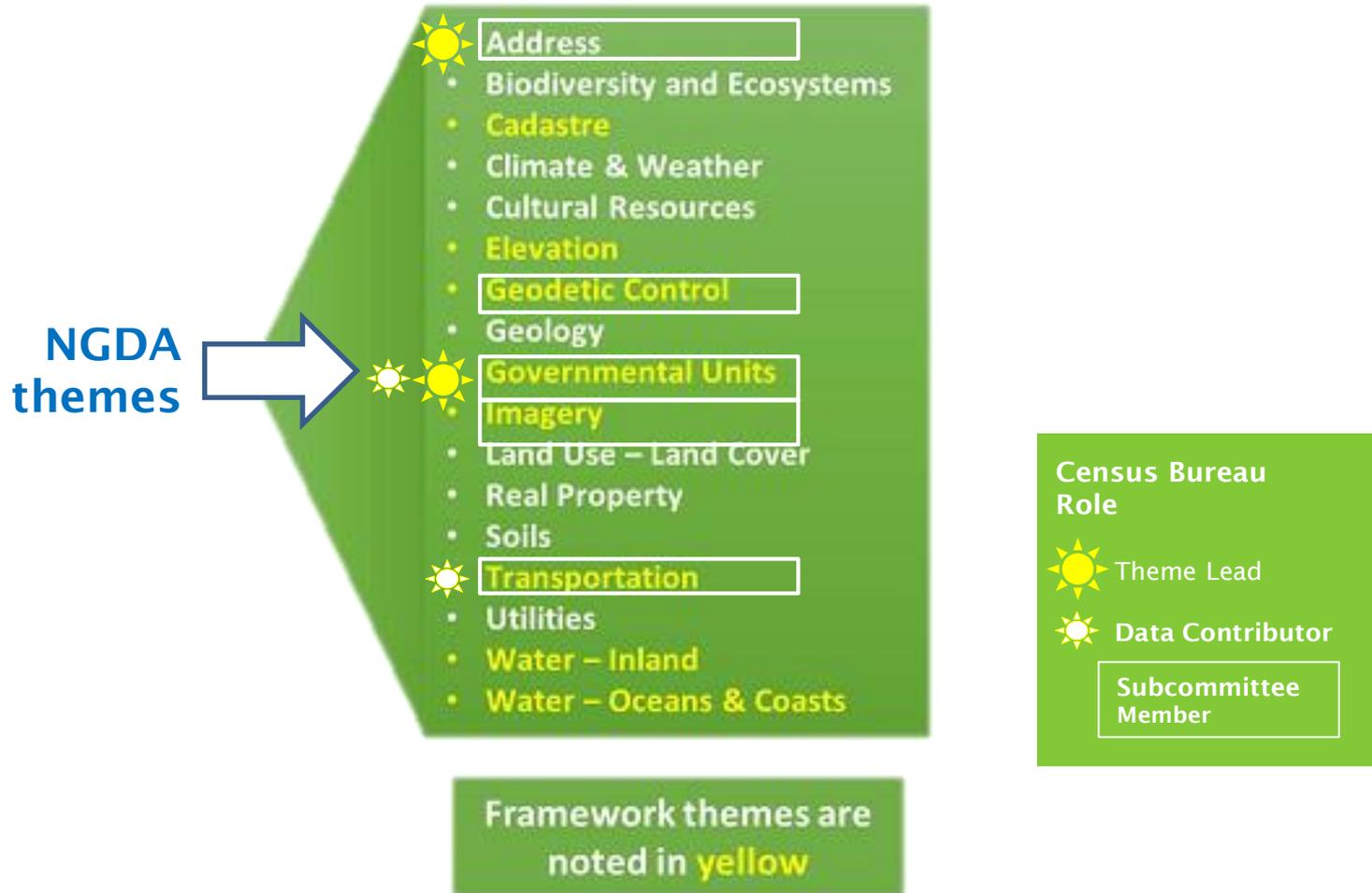
115<sup>th</sup> State Legislative  
Congressional District (SLD)  
District Lower Chamber  
Estate (U.S. Virgin Islands)  
Governmental Units  
American County and  
Indian Tribal equivalent  
Subdivision  
2010 Census Public Use  
Microdata Area  
Census Tract  
American Indian Tribal Subdivision  
Secondary School District  
NECTA  
Division  
2010 Census Voting District  
Metropolitan Statistical Area/Micropolitan Statistical Area  
State Legislative District (SLD) Upper Chamber

CENSUS BUREAU  
REGIONAL OFFICE  
BOUNDARIES  
New England  
City and Town  
Area  
Consolidated City  
Metropolitan  
Division  
Unified  
School Districts  
County  
Subdivision  
State and  
Equivalent

Combined  
Statistical Area  
2010 Urban  
Growth Area  
2010 Census  
Population &  
Housing Unit Counts  
Census Block  
Subbarrio  
(Subminor Civil  
Division)  
Place  
2010 Census 5-digit  
ZIP Code Tabulation  
Area (ZCTA)  
Alaska Native  
Regional  
Corporation  
(ANRC)

Tribal Census Tract  
Block Group  
Tribal Census Tract  
Block Group  
Tribal Census Tract  
Block Group

# Census Bureau helps to build the NSDI by contributing to **five NGDA themes** through leadership roles, data contributions, or subcommittee membership:



# True or False?

**Census Bureau manages 34**

**National Geospatial Data Assets (NGDAs)**

**within the Governmental Units Theme**

# ANSWER: True

## Census Bureau manages these 34 NGDAs within the Governmental Units Theme:

- 115<sup>th</sup> Congressional District
- 2010 Census 5-digit ZIP Code Tabulation Area
- 2010 Census Population & Housing Unit Counts
- 2010 Census Public Use Microdata Area
- 2010 Census Urban Area
- 2010 Urban Growth Area
- 2010 Census Voting District
- American Indian/Alaska Native/Native Hawaiian (AIANNH) Homeland Areas
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# The Federal Geographic Data Committee

**FGDC and decision makers from multiple federal government agencies collaborate around geospatial data in an open data environment.**

# The FGDC + the NSDI = Data Sharing on the GeoPlatform

- The **Federal Geographic Data Committee (FGDC)** is the governing body for the **NSDI** and promotes the coordination and sharing of geospatial data nationwide.
- The FGDC has endorsed ISO **metadata standards** and established a clearinghouse of **metadata**.
- Metadata is the key component of **data discovery** on today's government portals such as the **Geospatial Platform (GeoPlatform)**.

# What does this collaboration look like?

# FGDC's Participating Agencies

## Department of Commerce

- **Census Bureau**
- National Oceanic and Atmospheric Administration

## Department of Agriculture

## Department of Defense

## Department of Education

## Department of Energy

## Department of Health and Human Services

## Department of Homeland Security

## Department of Housing and Urban Development

## Department of Interior

## Department of Justice

## Department of Labor

## Department of State

## Department of Transportation

## Department of Treasury

## Department of Veterans Affairs

## Environmental Protection Agency

## Federal Communications Commission

## General Services Administration

## Library of Congress

## National Aeronautics and Space Administration

## National Archives and Records Administration

## National Capital Planning Commission

## National Science Foundation

## Nuclear Regulatory Commission

## Office of Personnel Management

## Small Business Administration

## Smithsonian Institution

## Social Security Administration

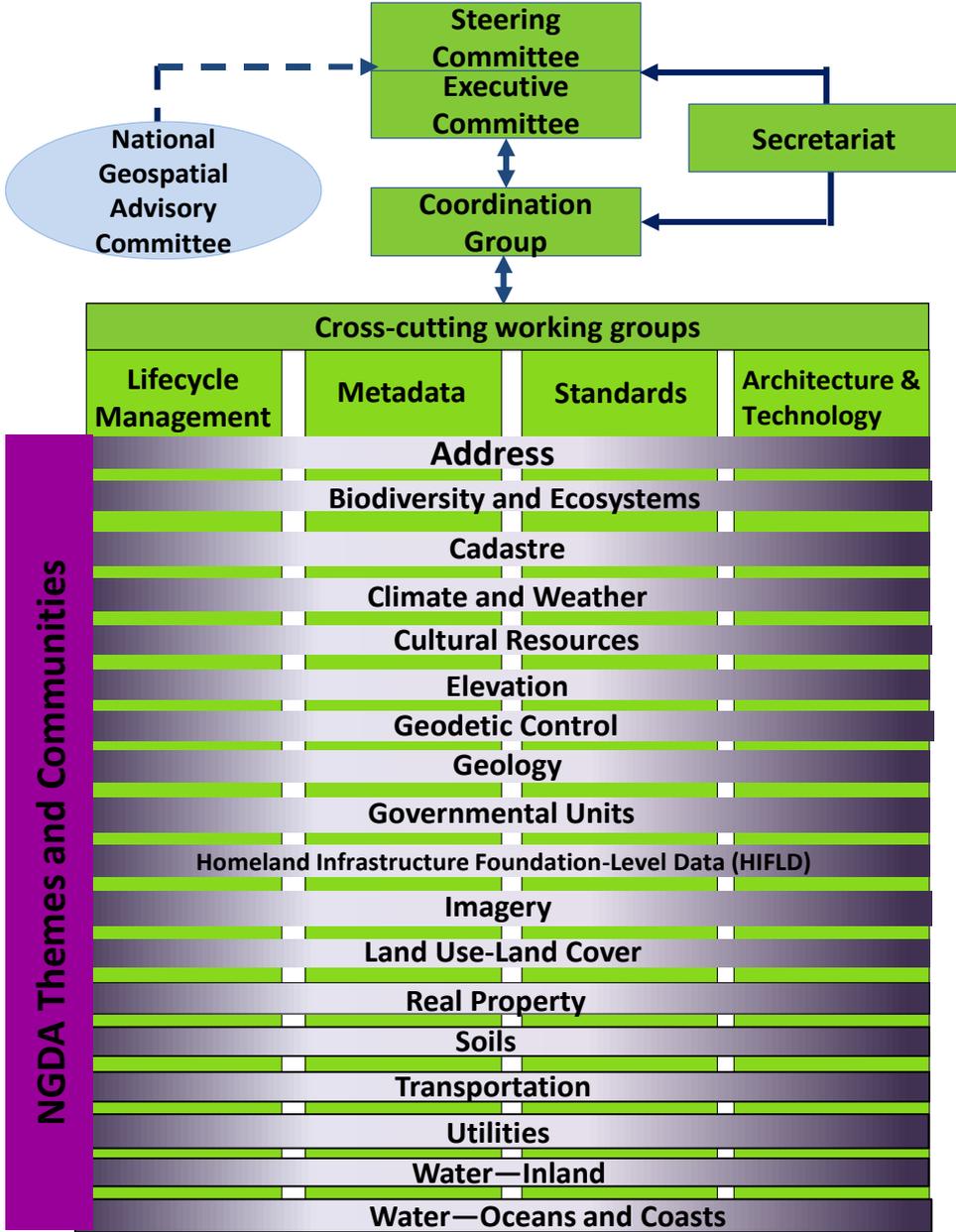
## Tennessee Valley Authority

## U.S. Agency for International Development

Public Land Conveyance (Patent) Records **Earth Cover**  
**Watershed Boundaries** Transportation (Marine)  
 Cultural and Demographic Statistics Biota  
 Offshore Minerals **Vegetation** **Cultural Resources**  
**Governmental Units** **Cadastral (Land Management)**  
 Housing Hydrography **Marine Boundaries** **Wetlands**  
**PUBLIC HEALTH** **Geologic Control** **National Boundaries** **Shoreline**  
 Biological Resources **Wetlands** **Elevation**  
 Digital Ortho Imagery **Soils** **Bathymetric**  
**Transportation** **Geodetic Control** **Soils** **Elevation Terrestrial**  
 Emergency Management **Geographic Names** **Offshore Cadastral (Outer Continental Shelf)**  
 Federal Land Ownership Status **Flood Hazards**  
 Maritime Zones and Limits  
**Law Enforcement**  
**Statistics**

# FGDC Structure and Participants

Steering Committee	
Chair – Interior	
Vice Chair - OMB	
USDA	USAID
DOC	Education
DoD (NGA)	Energy
DHS	HHS
EPA	HUD
NASA	DOJ
GSA	DOL
LOC	DOS
NARA	DOT
NSF	Treasury
OPM	VA
SBA	NRC
Smithsonian	USACE
SSA	FCC
TVA	NCPC



# Department of Commerce:

## Geospatial Leadership, Partnerships, and Platforms

### Federal Geographic Data Committee (FGDC) Leadership

- ❑ **Address Subcommittee** (Census Bureau; co-lead)
- ❑ **Climate and Weather Theme** (NOAA; theme lead)
- ❑ **Elevation Theme** (NOAA; co-lead)
- ❑ **Federal Geodetic Control Subcommittee** (NOAA; chair)
- ❑ **Governmental Units** (Census Bureau; theme lead)
- ❑ **Marine and Coastal Spatial Data Subcommittee** (NOAA; chair)
- ❑ **National Boundaries Group** and subgroups on **Federal Lands** and **Tribal Boundaries** (Census Bureau; co-chairs)

### Multi-agency partnerships

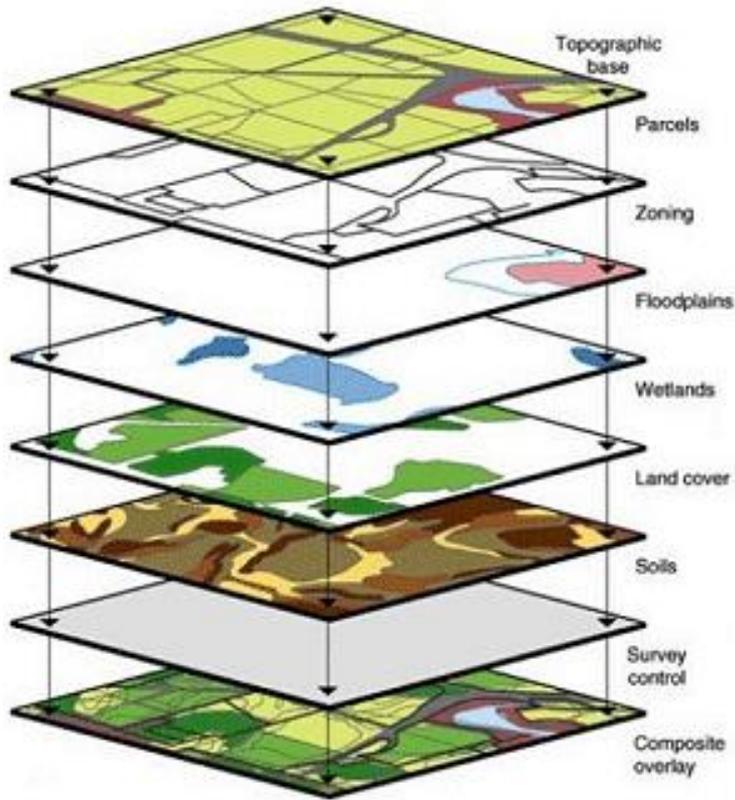
- ❑ **Federal Agency Roads (FAR) Coordination Group:**  
Census Bureau, US Geological Survey, & Federal Highway Administration (FHWA)
- ❑ **Oversight Management Group and Roads Information Group (RIG):**  
Census Bureau, U.S. Geological Survey
- ❑ **Delivery Sequence File (DSF) Working Group:**  
Census Bureau, U.S. Postal Service

### Online platforms

- ❑ **Data.gov** (participate in government-wide metadata updates)
- ❑ **NOAA Data Catalog** (provide agency-level metadata portal)
- ❑ **The Geospatial Platform (GeoPlatform)**
  - Lifecycle Maturity Assessments (participate on core team)
  - Web mapping services (provide links to TIGERweb)

# Where do you find the NGDAs?

# You can find all of the NGDAs



...on the  
**Geospatial  
Platform**  
(or GeoPlatform)!

# How do you find the NGDAs?

# METADATA

State Legislative District (SLD) Upper Chamber Combined  
115<sup>th</sup> State Legislative District (SLD) CENSUS BUREAU Statistical Area  
Congressional District Lower Chamber REGIONAL OFFICE  
District Estate (U.S. Virgin Islands) BOUNDARIES 2000 Urban  
Governmental Units New England 2010 Census  
American County and Area City and Population & Housing Unit Counts  
Indian Tribal equivalent census Tract Group City Subbarrio (Subminor Civil Division)  
Subdivision 2010 Cen Public U Division **Place**  
Combined New England City and Town Area School Districts 2010 Census 5-digit ZIP Code Tabulation Area (ZCTA)  
Area American Indian Tribal Division School District Alaska Native Regional Corporation (ANRC)  
Secondary School District County Subdivision State and Equivalent  
NECTA American Indian/Alaska Native/Native Hawaiian Tribal Block Group Metropolitan Statistical Area/Micropolitan Statistical Area  
Division (AIANNH) Homeland Areas  
**2010 Census Voting District**

# Another POP QUIZ:

What do all of these have in common?

- NGDA datasets
- OMB Circular A-16
- FGDC
- A-16 Portfolio Management
- Data.gov
- The GeoPlatform

# Another POP QUIZ:

What do all of these have in co

- NGDA datasets
- OMB Circular
- FGDC
- A-16 Management
- Da
- T Platform

OPEN GEOSPATIAL DATA

**Census geospatial products are available as**

**OPEN**

**National Geospatial Data Assets**

**for the public on the GeoPlatform**

# What's under the GeoPlatform's hood?



# GEOPLATFORM.gov

## Welcome to the Geospatial Platform

The GeoPlatform provides shared and trusted geospatial data, services, and applications for use by the public and by government agencies and partners to meet their mission needs.

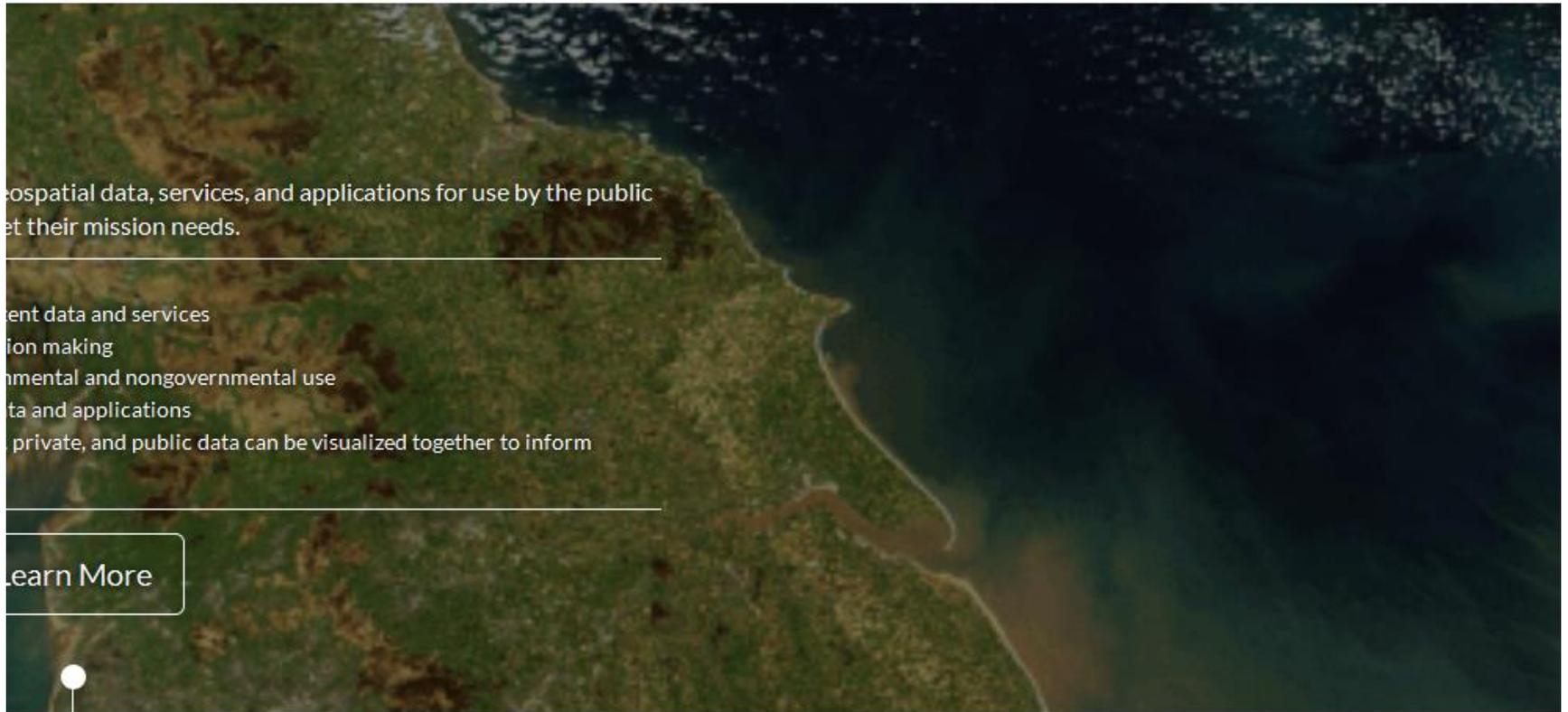
GeoPlatform users have access to

- A one-stop shop that delivers trusted, consistent data and services
- Authoritative data to support informed decision making
- Reusable applications and services for governmental and nongovernmental use
- A shared infrastructure that can host your data and applications
- A focal point where governmental, academic, private, and public data can be visualized together to inform national and regional issues

[Learn More](#)

# Communities

# Communities



geospatial data, services, and applications for use by the public  
to meet their mission needs.

Government data and services  
for decision making  
Environmental and nongovernmental use  
Data and applications  
Private, and public data can be visualized together to inform

[Learn More](#)

Featured

# Communities

 An Official Web Site of the United States

Government



## USER ACCOUNT

[Create new account](#) [Log in](#) [Forgot Password](#)

Username/E-mail \*

Enter your username or e-mail address.

Password \*

Enter the password that accompanies your e-mail.

Login

Please contact the [GeoPlatform Service Desk](#) if you have any questions/problems.

GEOPLATFORM.gov

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## About

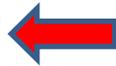
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[Data Policy](#)  
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## Get Involved

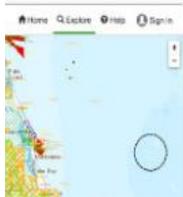
[The Social Experience](#)  
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## Apps & Services

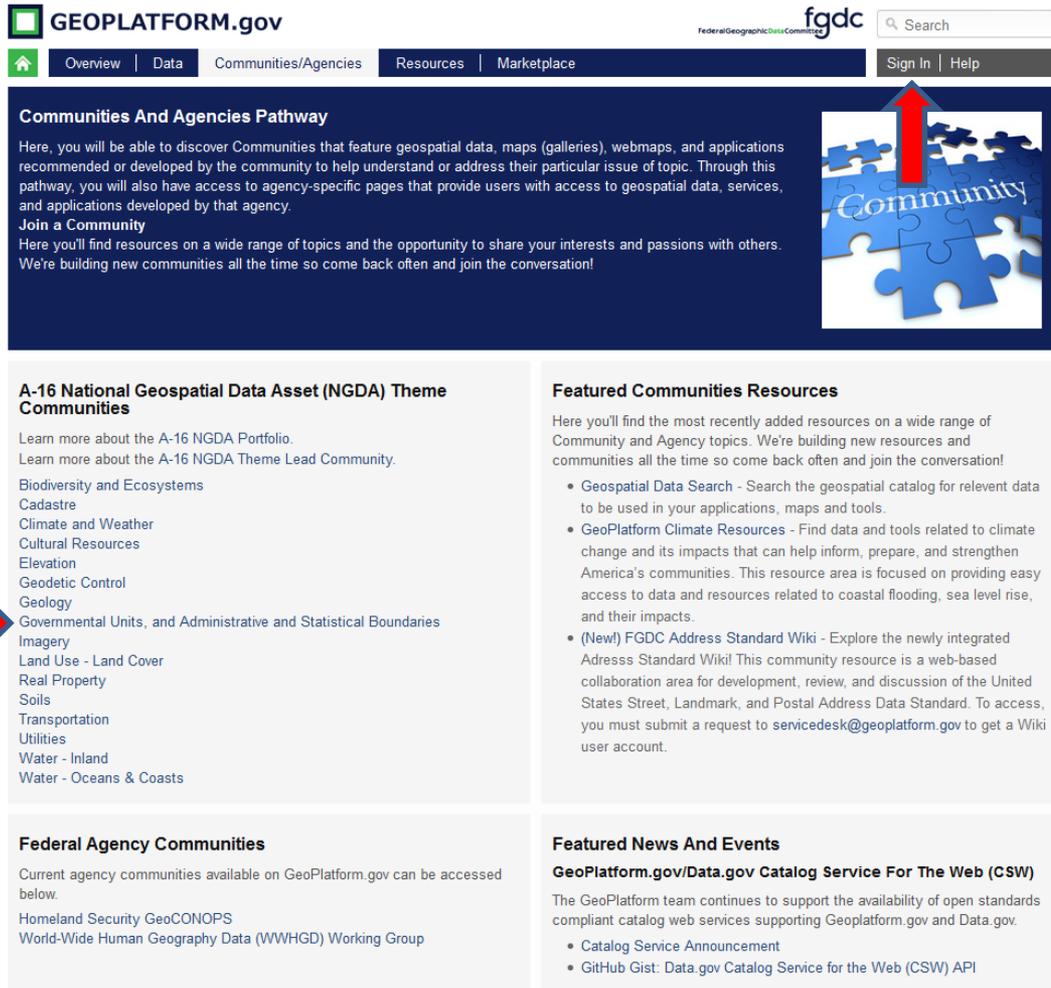
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[Marketplace Preview](#)  
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# Communities



**GEOPLATFORM.gov** fgdc

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### Communities And Agencies Pathway

Here, you will be able to discover Communities that feature geospatial data, maps (galleries), webmaps, and applications recommended or developed by the community to help understand or address their particular issue of topic. Through this pathway, you will also have access to agency-specific pages that provide users with access to geospatial data, services, and applications developed by that agency.

**Join a Community**  
Here you'll find resources on a wide range of topics and the opportunity to share your interests and passions with others. We're building new communities all the time so come back often and join the conversation!



#### A-16 National Geospatial Data Asset (NGDA) Theme Communities

Learn more about the A-16 NGDA Portfolio.  
Learn more about the A-16 NGDA Theme Lead Community.

- Biodiversity and Ecosystems
- Cadastral
- Climate and Weather
- Cultural Resources
- Elevation
- Geodetic Control
- Geology
- Governmental Units, and Administrative and Statistical Boundaries
- Imagery
- Land Use - Land Cover
- Real Property
- Soils
- Transportation
- Utilities
- Water - Inland
- Water - Oceans & Coasts



#### Featured Communities Resources

Here you'll find the most recently added resources on a wide range of Community and Agency topics. We're building new resources and communities all the time so come back often and join the conversation!

- Geospatial Data Search** - Search the geospatial catalog for relevant data to be used in your applications, maps and tools.
- GeoPlatform Climate Resources** - Find data and tools related to climate change and its impacts that can help inform, prepare, and strengthen America's communities. This resource area is focused on providing easy access to data and resources related to coastal flooding, sea level rise, and their impacts.
- (New!) FGDC Address Standard Wiki** - Explore the newly integrated Address Standard Wiki! This community resource is a web-based collaboration area for development, review, and discussion of the United States Street, Landmark, and Postal Address Data Standard. To access, you must submit a request to [servicedesk@geoplatform.gov](mailto:servicedesk@geoplatform.gov) to get a Wiki user account.

#### Federal Agency Communities

Current agency communities available on GeoPlatform.gov can be accessed below.

- Homeland Security GeoCONOPS
- World-Wide Human Geography Data (WWHGD) Working Group

#### Featured News And Events

##### GeoPlatform.gov/Data.gov Catalog Service For The Web (CSW)

The GeoPlatform team continues to support the availability of open standards compliant catalog web services supporting Geoplatform.gov and Data.gov.

- Catalog Service Announcement
- GitHub Gist: Data.gov Catalog Service for the Web (CSW) API

# Communities

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**NGDA Governmental Units Community**

[Home](#) | [NGDA Datasets](#) | [Theme Strategic Plan](#) | [FGDC Address Standard Wiki](#)

**GOVERNMENTAL UNITS THEME**

*Theme Lead Agency: United States Census Bureau (US Census)*

*Theme Lead: Dierdre Bevington-Attardi (US Census)*







**Overview**

Governmental Units, and Administrative and Statistical Boundaries Theme Definition: Boundaries that delineate geographic areas for uses such as governance and the general provision of services (e.g., States, American Indian reservations, counties, cities, towns, etc.), administration and/or for a specific purpose (e.g., Congressional Districts, school districts, fire districts, Alaska Native Regional Corporations etc.), and/or provision of statistical data (census tracts, census blocks).

**Committees And Workgroups**

**National Boundaries Group:**  
The purpose of the National Boundaries Group (NBG) is to develop nationally consistent boundaries that are integrated using the same geographic base. The goal is to make sure federal boundary sources are consistent, accurate, and integrated.

- [National Boundaries Group \(NBG\)](#)
- [Federal Lands Workgroup](#)
- [Tribal Boundaries Workgroup](#)

**Geospatial Standards**

Information technology - Codes for the Identification of Counties and Equivalent Areas of the United States, Puerto Rico, and the Insular Areas (INCITS) (2010)

Information technology - Codes for the Identification of the States and Equivalent Areas within the United States, Puerto Rico, and the Insular Areas (INCITS) (2010)

Information technology - Codes for the Identification of Metropolitan and Micropolitan Statistical Areas and

**NGDA Governmental Units Community**

Community Type: A-16  
Sponsor: FGDC  
Sponsor Email: [geoplatform@fgdc.gov](mailto:geoplatform@fgdc.gov)

You must register or login in order to subscribe to this community.

# Communities



**Committees And Workgroups**

## National Boundaries Group:

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- [Federal Lands Workgroup](#)
- [Tribal Boundaries Workgroup](#)

[How to Join This Community](#)



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Information technology - Codes for the Identification of Metropolitan and Micropolitan Statistical Areas and Related Statistical Areas of the United States and Puerto Rico (INCITS)

## Community

Community Type: A-16

Sponsor: FGDC

Sponsor Email: [geoplatform@fgdc.gov](mailto:geoplatform@fgdc.gov)

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# Communities

## National Boundaries Group



The Purpose of the **National Boundaries Group (NBG)** Work Group is to develop nationally consistent boundaries that are integrated using the same geographic base. The goal is to make sure federal boundary sources are consistent, accurate, and integrated.

The NBG coordinates boundary information sharing among federal, state, local, tribal, and private organizations. In scope are the following goals:

- Creating an open exchange of information about boundary data
- Assuring availability of, and public access to, boundary data and associated metadata from distributed databases
- Investigating, evaluating, promoting, and implementing new technologies to improve boundary accuracy and integration
- Supporting coordination and standards goals, and objectives established by federal, national and international standards organizations

For [instructions](#) on how join the GeoPlatform and this community, click on this [link](#).

For access to the [internal community page](#) please log-in to GeoPlatform and then click on this [link](#).



### Upcoming Meetings:

Tuesday, February 14th 2-3pm  
at ESRI Federal Users Conference  
in Washington DC



### Past Meetings:

May 2016

February 2016

# NGDA Datasets

# NGDA Datasets

## NGDA Governmental Units Community

Home NGDA Datasets Theme Strategic Plan FGDC Address Standard Wiki



### Federal Lands Workgroup



Geospatial and realty professionals from land management (USFS, BLM, NPS, FWS, BOEM, BIA, USBR, NRCS and DoD) and other federal agencies (USGS, Census, NWCG) are working to **integrate land ownership and management boundaries to fulfill common agency needs.**

Formed in October 2011, the FGDC Federal Lands Workgroup is a subgroup of the [National Boundaries Group \(NBG\)](#), focused on the **development and annual publication of a cadastral geodatabase of aggregated federal lands.**

#### FY 2016-17 Objectives:

- Automate the translation of authoritative source data into the PAD-US format
- Contribute to the next PAD-US update, published by USGS
- Assess and improve inventory completeness
- Assess and improve the compatibility of core attributes between agency datasets
- Identify and correct major boundary overlaps to produce a 'flat' ownership file
- Share FLWG goals and accomplishments through outreach

#### Accomplishments

- We've been busy! Here are the [Top 10 Updates!](#)
- [January 2017 Activity Summary](#)
- Published aggregated fed lands ownership and management designations in PAD-US 1.4. [Available now!](#)
- Developed a tool to harness review comments regarding fed lands data
- Documented source data translation into PAD-US schema and needs to increase

#### Face-to-Face Meetings:

- Tues, Feb 14th, 1:30-3:30 EST, ESRI Federal Users Conference Room 141

#### Upcoming Webinar meetings:

- Wed, March 8th (3 - 4:30 ET)

For a meeting invite or more information:

Contact Lisa Johnson at

[Lisajohnson@boisestate.edu](mailto:Lisajohnson@boisestate.edu)

#### PAD-US Action Plan

[www.protectedlands.net/vision](http://www.protectedlands.net/vision)



# NGDA Datasets

Searching for "National Geospatial Data Asset" NGDA "Governmental Units and Administrative and Statistical Boundaries Theme"

40 results 25 per page 1 - 25



**TIGER/Line Shapefile, 2016, nation, U.S., 115th Congressional District National**  Federal

**US Census Bureau, Department of Commerce**

The TIGER/Line shapefiles and related database files (.dbf) are an extract of selected geographic and cartographic information from the U.S. Census Bureau's Master Address File / Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) Database (MTDB). The MTDB represents a seamless national file with no overlaps or gaps between parts, however, each TIGER/Line shapefile is designed to stand alone as an independent data set, or they can be combined to cover the entire nation. Congressional Districts are

[ZIP](#) [HTML](#) [WMS](#) [Esri REST](#)



**TIGER/Line Shapefile, 2012, Series Information File for the 2010 Census Voting District State-based (VTD) Shapefile** Federal

**US Census Bureau, Department of Commerce**

Voting district is the generic name for geographic entities such as precincts, wards, and election districts established by State governments for the purpose of conducting elections. States participating in the 2010 Census Redistricting Data Program as part of Public Law 94-171 (1975) provided the Census Bureau with boundaries, codes, and names for their VTDs. Each VTD is identified by a 1- to 6-character alphanumeric census code that is unique within county. For the 2010 Census, Rhode Island is the only State that did not

[TGRSHP \(compressed\)](#) [PDF](#) [WMS](#) [Esri REST](#) [HTML](#) + 1 more



**TIGER/Line Shapefile, 2016, nation, U.S., Current County and Equivalent National Shapefile** Federal

**US Census Bureau, Department of Commerce**

The TIGER/Line shapefiles and related database files (.dbf) are an extract of selected geographic and cartographic information from the U.S. Census Bureau's Master Address File / Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) Database (MTDB). The MTDB represents a seamless national file with no overlaps or gaps between parts, however, each TIGER/Line shapefile is designed to stand alone as an independent data set, or they can be combined to cover the entire nation. The primary legal divisions of

[ZIP](#) [HTML](#) [WMS](#) [Esri REST](#)



**TIGER/Line Shapefile, 2016, nation, U.S., Current American Indian/Alaska Native/Native Hawaiian Areas National (AIANNH) National** Federal

**US Census Bureau, Department of Commerce**

The TIGER/Line shapefiles and related database files (.dbf) are an extract of selected geographic and cartographic information from the U.S. Census Bureau's Master Address File / Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) Database (MTDB). The MTDB represents a seamless national file with no overlaps or gaps between parts, however, each TIGER/Line shapefile is designed to stand alone as an independent data set, or they can be combined to cover the entire nation. The American Indian/Alaska

[ZIP](#) [HTML](#) [WMS](#) [Esri REST](#)

# Metadata

## Dates

Metadata Date	September 30, 2016
Metadata Created Date	September 27, 2016
Metadata Updated Date	September 30, 2016
Reference Date(s)	2016 (publication)
Frequency Of Update	notPlanned

## Metadata Source



### ISO-19139 Metadata

[Download Metadata](#) · [View Full Metadata](#)



Harvested from [2016\\_cd](#)

# Metadata

## TIGER/Line Shapefile, 2016, nation, U.S., 115th Congressional District National

---

### Metadata

**File Identifier:** tl\_2016\_us\_cd115.shp.iso.xml

**Metadata Language:** eng

: utf8

**Resource Type:** Dataset

**Responsible Party:**

**Metadata Date:** 2016-09-30

**Metadata Standard Name:** ISO 19115 Geographic Information - Metadata

**Metadata Standard Version:** 2009-02-15

### Data Identification

**Abstract:** The TIGER/Line shapefiles and related database files (.dbf) are an extract of selected geographic and cartographic information from the U.S. Census Bureau (MTDB). The MTDB represents a seamless national file with no overlaps or gaps between parts, however, each TIGER/Line shapefile is designed to stand alone and represent areas from which people are elected to the U.S. House of Representatives. After the apportionment of congressional seats among the States based on census data, each State is divided into congressional districts. Each congressional district is to be as equal in population to all other congressional districts in a State as practicable. The 115th Congressional Districts (American Samoa, Guam, the Commonwealth of the Northern Mariana Islands, and the U.S. Virgin Islands) each contain a single record for the non-incorporated areas of the State through the Redistricting Data Program (RDP).

**Purpose:** In order for others to use the information in the Census MAF/TIGER database in a geographic information system (GIS) or for other geographic information systems.

**Language:** eng

**Thumbnail:**

**Browse Graphic:** [https://tigerweb.geo.census.gov/arcgis/services/TIGERweb/tigerWMS\\_Current/MapServer/WmsServer?REQUEST=GetMap&SERVICE=Image&FORMAT=svg+xml&BGCOLOR=0xFFFFFF&TRANSPARENT=TRUE&CRS=EPSG:4326&BBOX=32.860571,-113.504375,32.860571,-113.504375](https://tigerweb.geo.census.gov/arcgis/services/TIGERweb/tigerWMS_Current/MapServer/WmsServer?REQUEST=GetMap&SERVICE=Image&FORMAT=svg+xml&BGCOLOR=0xFFFFFF&TRANSPARENT=TRUE&CRS=EPSG:4326&BBOX=32.860571,-113.504375,32.860571,-113.504375)

**Browse Graphic Type:** URL for the TigerWeb Web Mapping Service

**Browse Graphic Caption:** URL for the TigerWeb Web Mapping Service

### Citation:

**Title:** TIGER/Line Shapefile, 2016, nation, U.S., 115th Congressional District National

**Alternate Title:** National Geospatial Data Asset (NGDA) 115th Congressional District

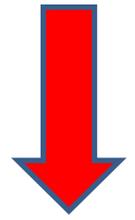
**Date:**

**Date:** 2016

**Date Type:** Publication Date

# **NGDA Lifecycle Maturity Assessment Dashboard**

# NGDA Lifecycle Maturity Assessment Dashboard



Menu ▾

Welcome to the  
**Geospatial Platform**

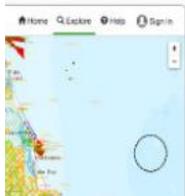
The GeoPlatform provides shared and trusted geospatial data, services, and applications for use by the public and by government agencies and partners to meet their mission needs.

GeoPlatform users have access to

- A one-stop shop that delivers trusted, consistent data and services
- Authoritative data to support informed decision making
- Reusable applications and services for governmental and nongovernmental use
- A shared infrastructure that can host your data and applications
- A focal point where governmental, academic, private, and public data can be visualized together to inform national and regional issues

[Learn More](#)

## Featured



# NGDA Lifecycle Maturity Assessment Dashboard

X Menu ▾

## Featured

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# NGDA Lifecycle Maturity Assessment Dashboard

GeoPlatform Performance Dashboard

## NGDA Lifecycle Maturity Assessment Dashboard

Select a [NGDA Dataset Lifecycle Maturity Assessment](#) survey from the drop-down below. The most recent results are displayed by default and show [NGDA Dataset Agency](#) using the Selection Type and Selection drop-downs. For more details, click on a rating box (cell) or hover over column headings.

**Note:** The [FGDC Status Service Checker](#) status displays only when a geospatial web service exists for the NGDA Dataset and it is available through the metadata. A project is currently under way for NGDAs.

Survey	Themes		Agencies			
2015 Final Survey Results	0 Selected		0 S			
Dataset	General	Define	Inventory Evaluation	Obtain	Access	Maintain
Rollup	4/5	4/5	5/5	5/5	5/5	4/5
<a href="#">1 meter Digital Elevation Models (DEMs) - USGS National Map</a> 65.00 45s	4/5	5/5	5/5	3/5	5/5	4/5
<a href="#">1/3rd Arc-second Digital Elevation Models (DEMs) - USGS National Map</a> 59.00 36s	4/5	5/5	5/5	4/5	5/5	4/5
<a href="#">114th Congressional District</a> 99.58 0.53s	5/5	5/5	5/5	5/5	5/5	5/5
<a href="#">2010 Census 5-digit ZIP Code Tabulation Area</a> 99.00 1.28s	5/5	5/5	5/5	5/5	5/5	5/5
<a href="#">2010 Census Population &amp; Housing Unit Counts</a> 98.69 1.68s	5/5	5/5	5/5	5/5	5/5	5/5

# NGDA Lifecycle Maturity Assessment Dashboard

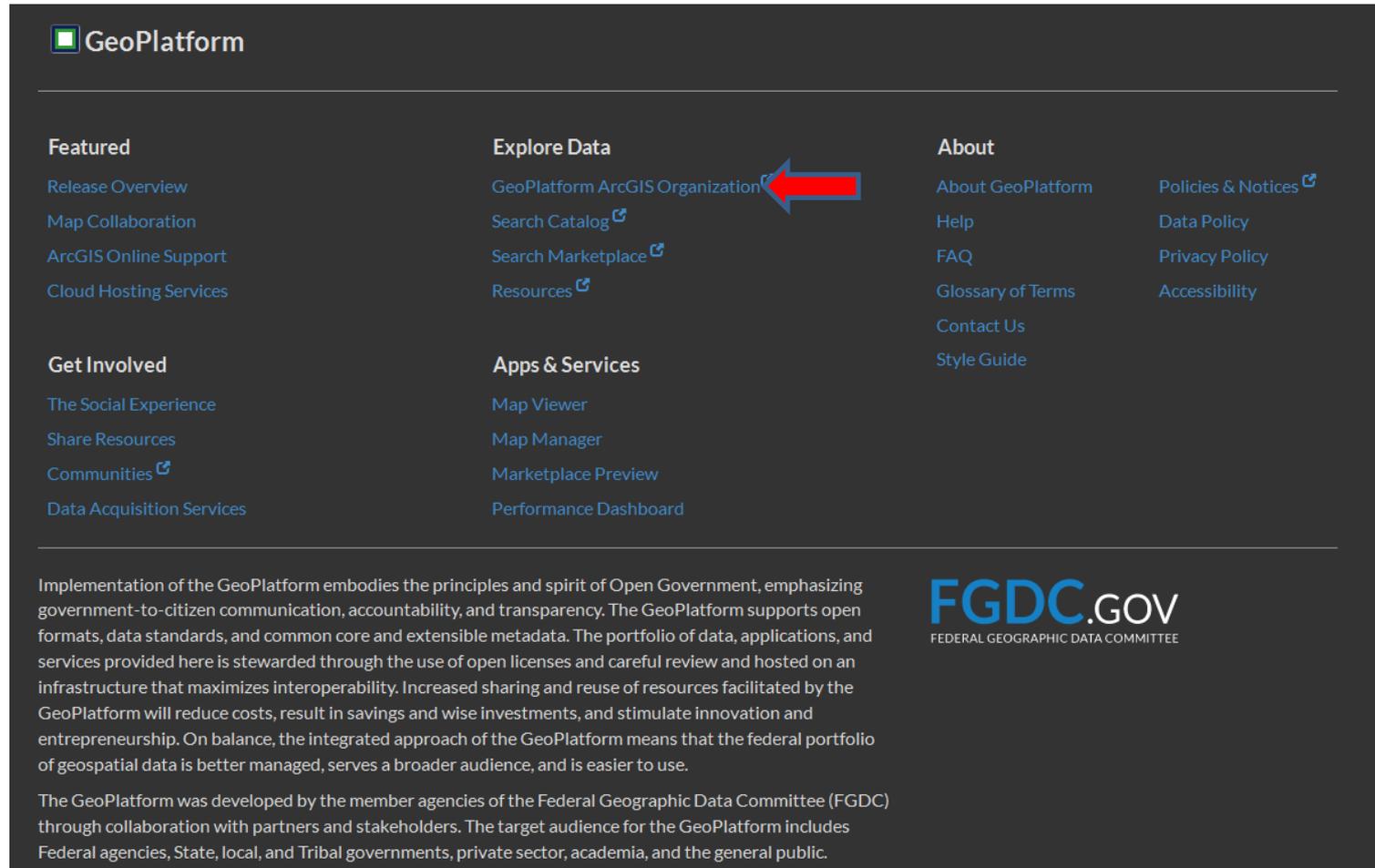
General	Define	Inventory Evaluation	Obtain	Access	Maintain	Use Evaluation	Archive	Overall
4/5	4/5	5/5	5/5	5/5	4/5	4/5	4/5	4/5
4/5	5/5	5/5	3/5	5/5	4/5	5/5	3/5	4/5
4/5	5/5	5/5	4/5	5/5	4/5	5/5	3/5	4/5
5/5	5/5	5/5	5/5	5/5	5/5	5/5	5/5	5/5
5/5	5/5	5/5	5/5	5/5	5/5	5/5	5/5	5/5
5/5	5/5	5/5	5/5	5/5	5/5	5/5	5/5	5/5

# ArcGIS Online

# Using ArcGIS within the GeoPlatform

- The GeoPlatform integrates with ArcGIS in three primary ways:
  - Complete and seamless access to the Geoplatform ArcGIS organization
  - Data can be integrated with the GeoPlatform through web services
  - Maps built with ArcGIS Online can be organized and shared through the GeoPlatform's map galleries

# Using ArcGIS within the GeoPlatform



The screenshot shows the GeoPlatform website navigation menu. A red arrow points to the 'GeoPlatform ArcGIS Organization' link in the 'Explore Data' section. The menu is organized into several columns:

- Featured**
  - [Release Overview](#)
  - [Map Collaboration](#)
  - [ArcGIS Online Support](#)
  - [Cloud Hosting Services](#)
- Explore Data**
  - [GeoPlatform ArcGIS Organization](#) ←
  - [Search Catalog](#)
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- Get Involved**
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  - [Communities](#)
  - [Data Acquisition Services](#)
- Apps & Services**
  - [Map Viewer](#)
  - [Map Manager](#)
  - [Marketplace Preview](#)
  - [Performance Dashboard](#)
- About**
  - [About GeoPlatform](#)
  - [Help](#)
  - [FAQ](#)
  - [Glossary of Terms](#)
  - [Contact Us](#)
  - [Style Guide](#)
  - [Policies & Notices](#)
  - [Data Policy](#)
  - [Privacy Policy](#)
  - [Accessibility](#)

Implementation of the GeoPlatform embodies the principles and spirit of Open Government, emphasizing government-to-citizen communication, accountability, and transparency. The GeoPlatform supports open formats, data standards, and common core and extensible metadata. The portfolio of data, applications, and services provided here is stewarded through the use of open licenses and careful review and hosted on an infrastructure that maximizes interoperability. Increased sharing and reuse of resources facilitated by the GeoPlatform will reduce costs, result in savings and wise investments, and stimulate innovation and entrepreneurship. On balance, the integrated approach of the GeoPlatform means that the federal portfolio of geospatial data is better managed, serves a broader audience, and is easier to use.

The GeoPlatform was developed by the member agencies of the Federal Geographic Data Committee (FGDC) through collaboration with partners and stakeholders. The target audience for the GeoPlatform includes Federal agencies, State, local, and Tribal governments, private sector, academia, and the general public.

**FGDC.GOV**  
FEDERAL GEOGRAPHIC DATA COMMITTEE

# ArcGIS Online (AGOL)



Home Gallery Map Scene Groups My Content My Organization

spicerc



Four featured map layers are displayed in a row, each with a thumbnail image and a caption:

- USA National Wetlands Inventory**: A map showing wetlands in various colors (green, blue, purple) over a white background.
- U.S. Geological Survey - Stream Gauges and Weather**: A photograph of a stream gauge station with a USGS logo.
- Federal Investments in The BRAIN Initiative**: A map showing blue and orange circular markers on a light gray background.
- Sea Level Rise Planning Tool - New Jersey and New York**: A map showing a coastal area with yellow and orange markers indicating sea level rise projections.

*The GeoPlatform enables you to view map layers and a whole lot more. Follow the links below to find useful, authoritative data layers that you can use to make your own mashups, run analysis, and view in 3D. Also, check out the [ArcGIS Online blog](#) for great ideas, tips and tricks and the [ArcGIS Online help](#) for detailed how-tos.*

# ArcGIS Online (AGOL)

Home Gallery Map Scene Groups

Sign In



Gallery



## GEOPLATFORM.gov Featured Content

Sort By: Most Recent



Show

All

Maps

Layers

Scenes

Apps

Tools

Files

Search the website or visit the ArcGIS Marketplace



Northwest Atlantic Marine Ecological



Active Renewable Energy Leases in U.S.



Agriculture and Fire Danger



BOEM Wind Planning Areas



Federal OCS Sand and Gravel Borrow (Lease)



West Coast Canopy-Forming Kelp



Considering Atlantic Shipwrecks when



Predicting Cetacean Density with Geospatial



Understanding Ocean Wind Energy



Offshore Seabird Dataset Catalog



US Atlantic Coast Fishing Atlas



South Carolina Offshore Renewable Energy

# ArcGIS Online (AGOL)

ArcGIS ▾ My Map

Details + Add Basemap

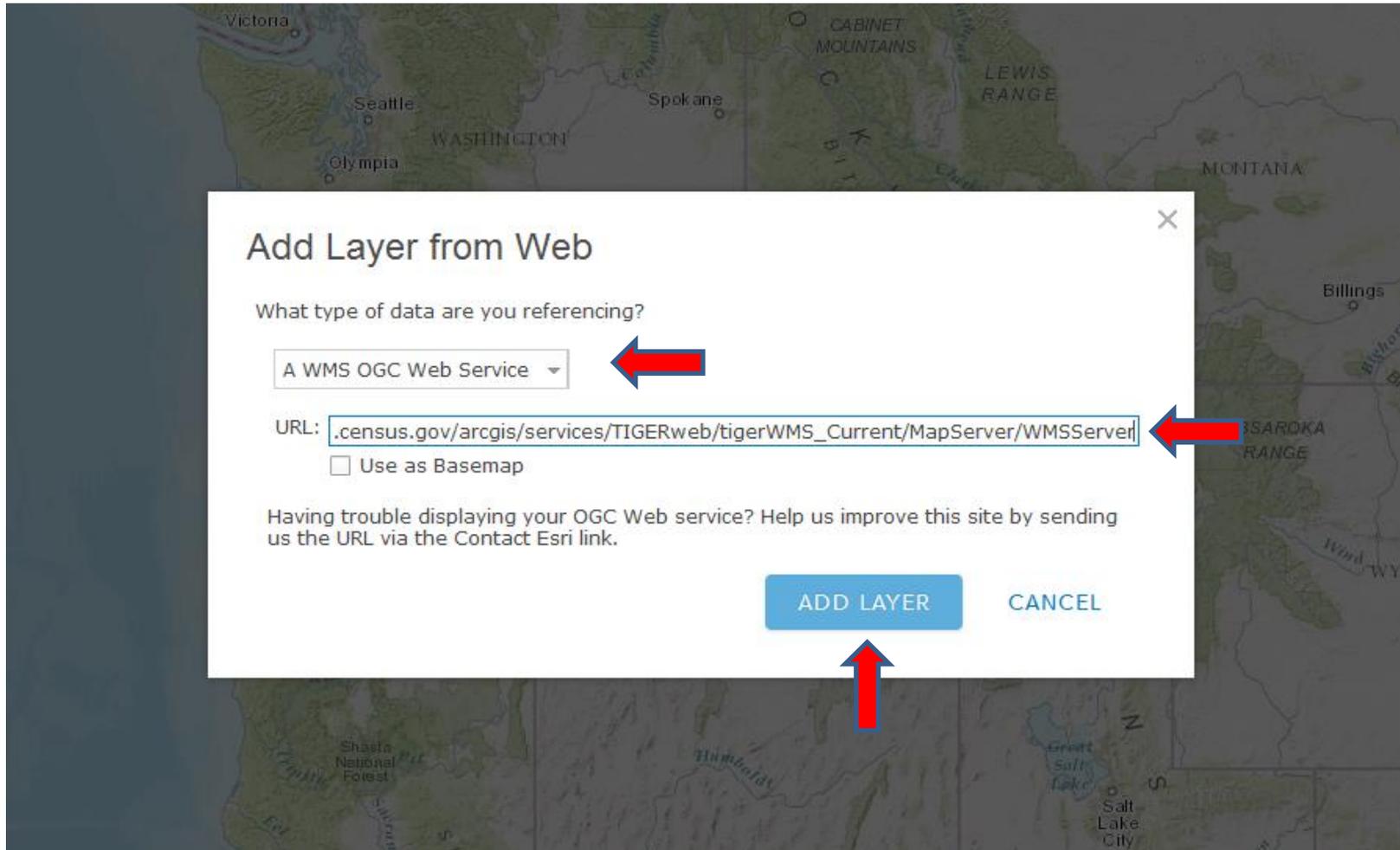
About Content Legend

## Make your own map

It's easy to make your own map. Just follow these steps:

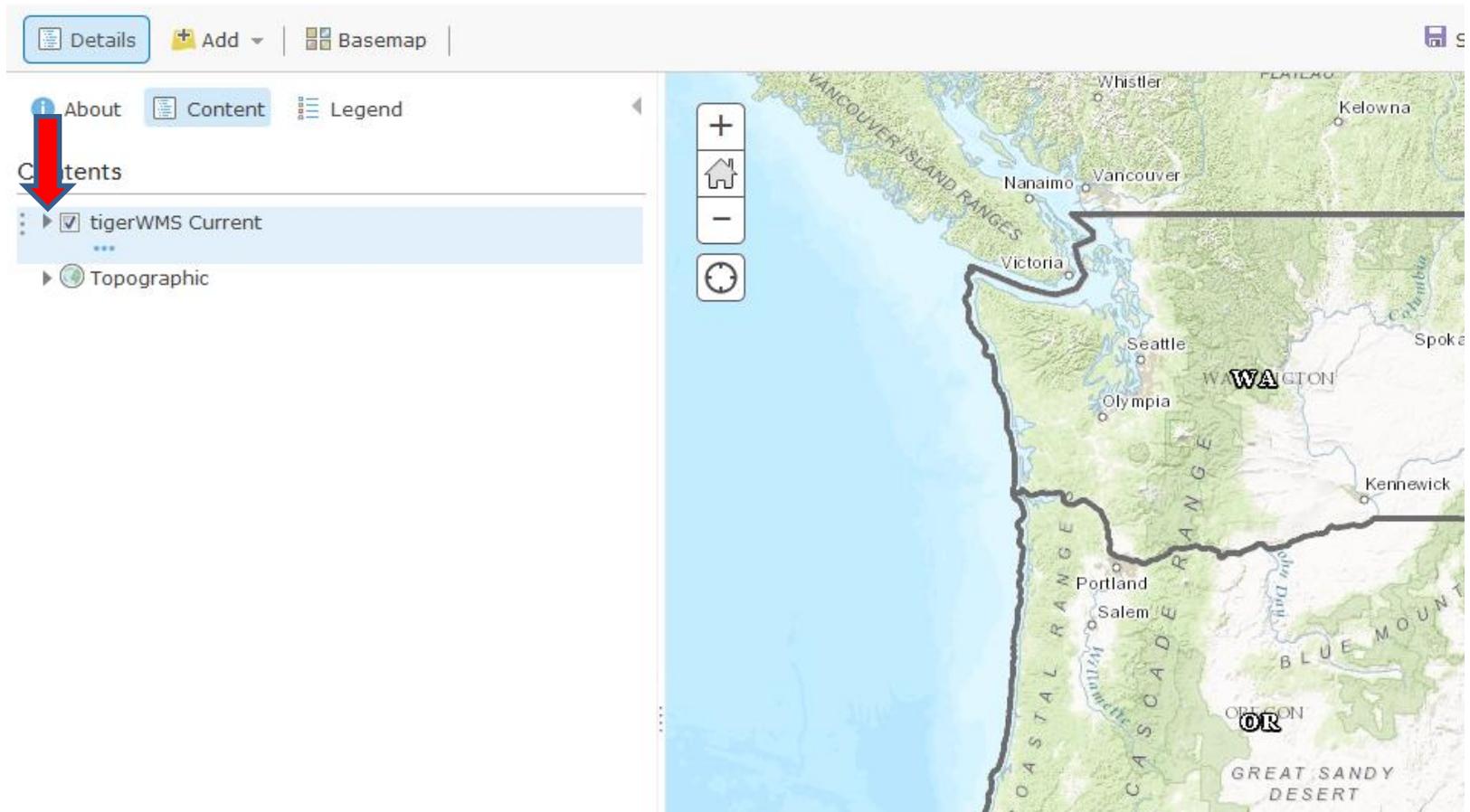
- 1. Choose an area.**  
Pan and zoom the map to an area or search by its name or address.
- 2. Decide what to show.**  
Choose a Basemap then Add layers on top of it.
- 3. Add more to your map.**  
Add map notes to draw features on the map.  
Display descriptive text, images, and charts for map features in a pop-up.
- 4. Save and share your map.**  
Give your map a name and description then share it with other people.

# ArcGIS Online (AGOL)



# ArcGIS Online (AGOL)

Home ▾ My Map



# ArcGIS Online (AGOL)

Home ▾ My Map

The screenshot displays the ArcGIS Online interface. At the top, there are navigation options: 'Home ▾ My Map', 'Details', 'Add ▾', 'Basemap', 'Save ▾', 'Share', 'Print', and 'Directions'. Below this is a sidebar with 'About', 'Content', and 'Legend' tabs. The 'Content' tab is active, showing a list of layers under the heading 'Contents'. Two layers are checked and highlighted with red arrows: '115th Congressional Districts' and '115th Congressional Districts Labels'. The main map area shows a map of Washington state with 11th Congressional Districts (CD 1 through CD 10) outlined in blue. The map includes labels for cities like Nanaimo, Victoria, Seattle, and Tacoma, and geographical features like the Strait of Georgia and Strait of Juan de Fuca. The text 'WASHINGTON' is prominently displayed across the state.

# Governmental Unit and Administrative and Statistical Boundary Theme NGDAs

- 115<sup>th</sup> Congressional District
- 2010 Census 5-digit ZIP Code Tabulation Area
- 2010 Census Population & Housing Unit Counts
- 2010 Census Public Use Microdata Area
- 2010 Census Urban Area
- 2010 Urban Growth Area
- 2010 Census Voting District
- American Indian/Alaska Native/Native Hawaiian (AIANNH) Homeland Areas
- American Indian Tribal Subdivision
- Alaska Native Regional Corporation (ANRC)
- BLM Administrative Unit Boundary Polygons
- BLM Administrative Unit Office Points
- Census Block
- Block Group
- Census Bureau Regional Office Boundaries
- Census Tract
- Combined New England City and Town Area
- Combined Statistical Area
- Consolidated City
- County and Equivalent
- County Subdivision
- Elementary School Districts
- EPA Facility Locations and Regional Boundaries
- Estate (U.S. Virgin Islands)
- HUD Entitlement Grantee Jurisdiction
- International Boundary United States Mexico Minute 3
- Metropolitan Division
- Metropolitan Statistical Area / Micropolitan Statistical Area
- National Weather Service County Warning Area Boundaries
- NECTA Division
- New England City and Town Area
- Place
- Secondary School District
- State and Equivalent
- State Legislative District (SLD) Lower Chamber
- State Legislative District (SLD) Upper Chamber
- Subbarrio (Subminor Civil Division)
- Tribal Block Group
- Tribal Census Tract
- Unified School Districts
- U.S. Canadian Boundary



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