Open Geospatial Data

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

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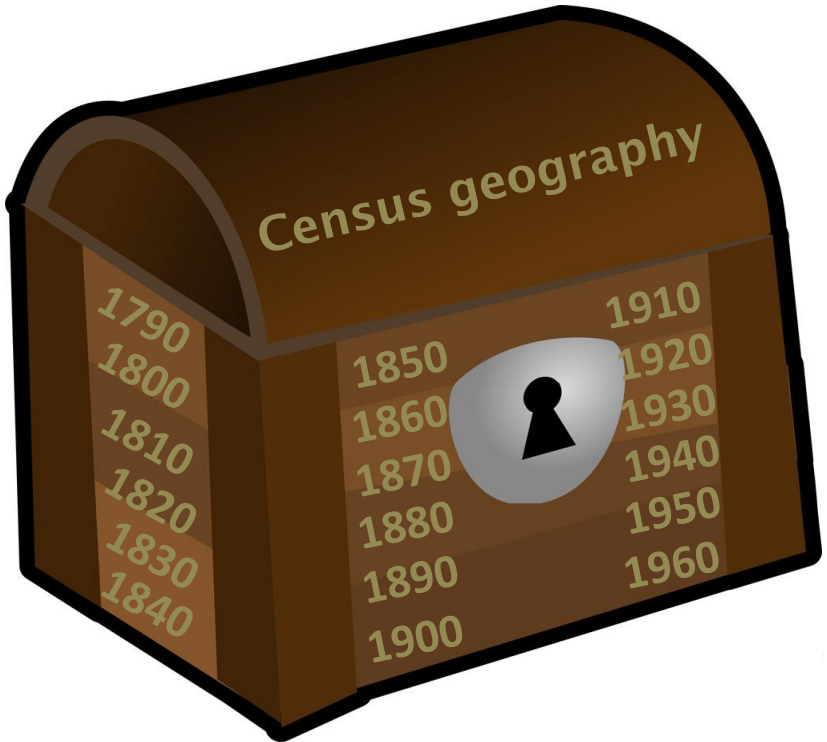
Charles Spicer
Geography Division
Federal Geographic Coordination Branch
March 15, 2017

Census geography is

a National Treasure.

"…wealth or riches stored or accumulated" (that are sometimes hard to access).



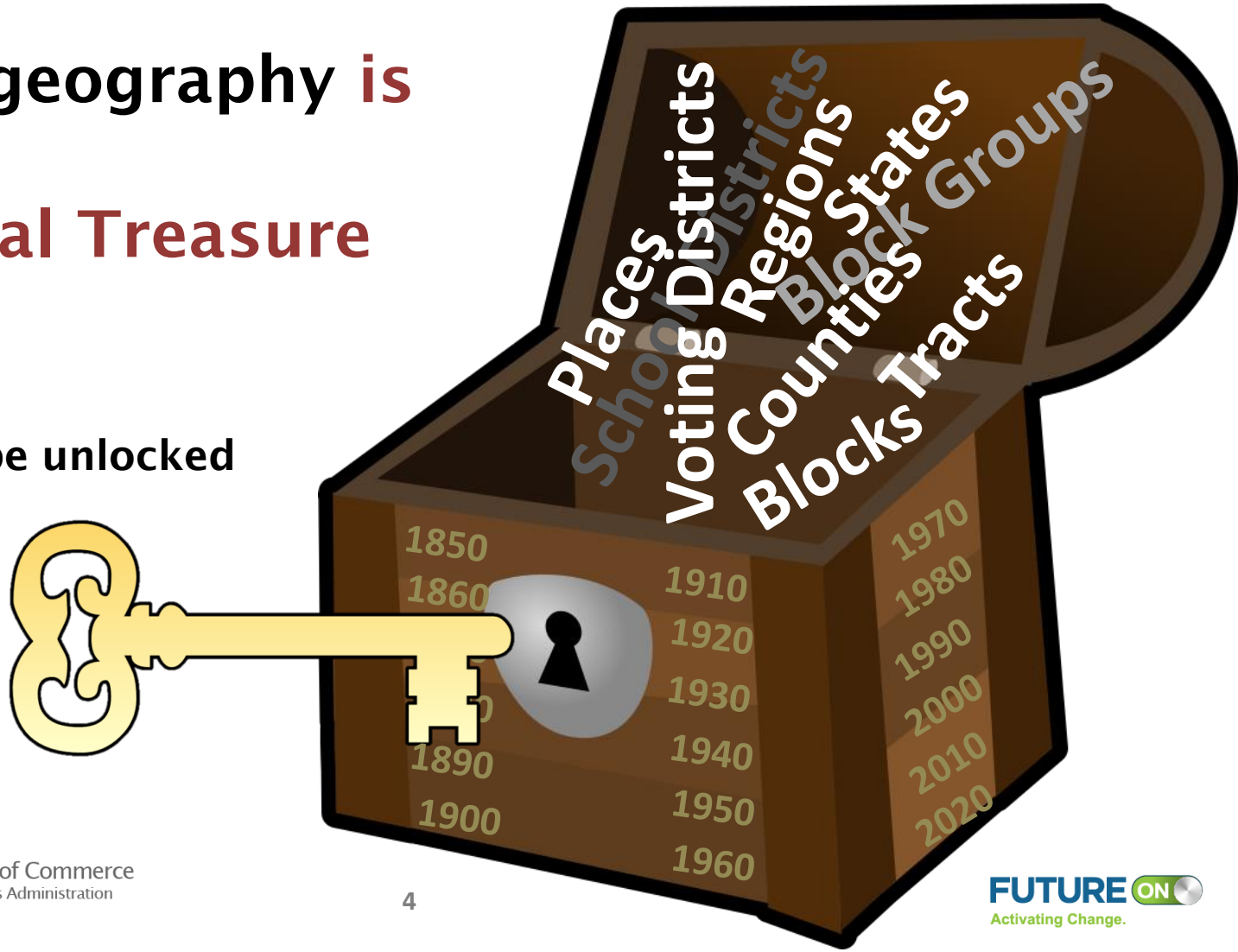
Abe Lincoln liked Census geography…

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.

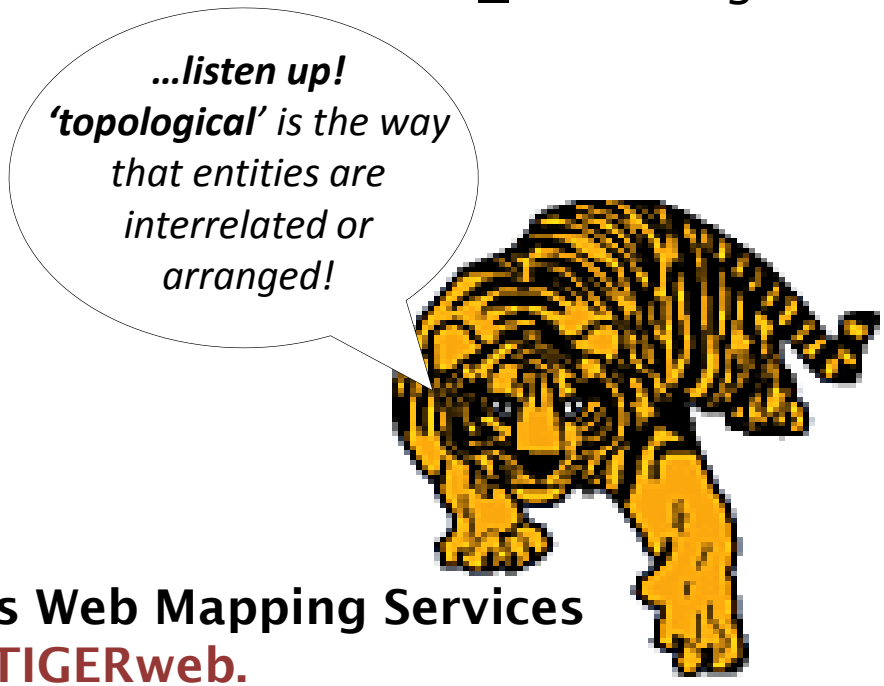
Topologically

Integrated

Geographic

Encoding

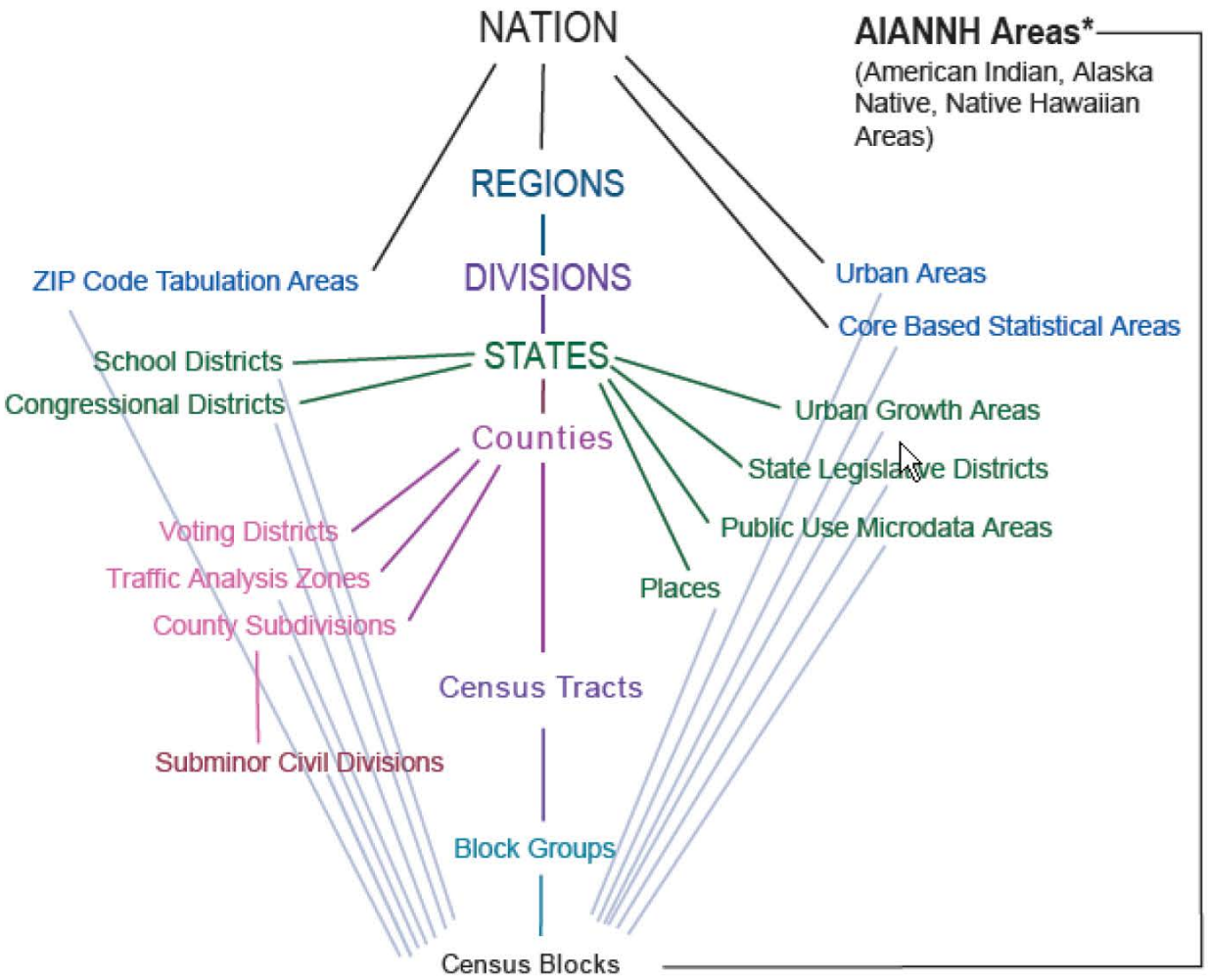
and Referencing



...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:

- 115th 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
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- County Subdivision
- Elementary School Districts
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- 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

U.S. Department of Commerce | Blogs | Index A-Z | Glossary | FAQ

United States Census Bureau

Search

Topics (Population, Economy) | Geography (Maps, Products) | Library (Infographics, Publications) | Data (Tools, Developers) | Surveys/Programs (Respond, Survey Data) | Newsroom (News, Blogs) | About Us (Our Research)

You are here: Census.gov › Geography › Reference › Federal Register Notices

Geography

Main | About | Maps & Data | Reference | Partnerships | Education | Research | GIS-I | 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 Upda (LUCA) Program
Final Procedures for Participation in the 2010 Census Local Update of Census Addresses Progr
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 (PSAP)
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)
TSAP/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.

ACTION: No
Program In

SUMMARY: (
permanent
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equivalent
tabulation
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statistical p
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estimates f
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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)[1] after 2010. Block groups provide

Census geography is open geospatial data POP QUIZ!

UNCLE SAM AND HIS SEARCH LIGHT.
LOOKING OVER THE "PORT ARTHUR ROUTE."

Library of Congress. Geography and Map Division.

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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b. When TIGER was born (around 1970)
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 21st 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)

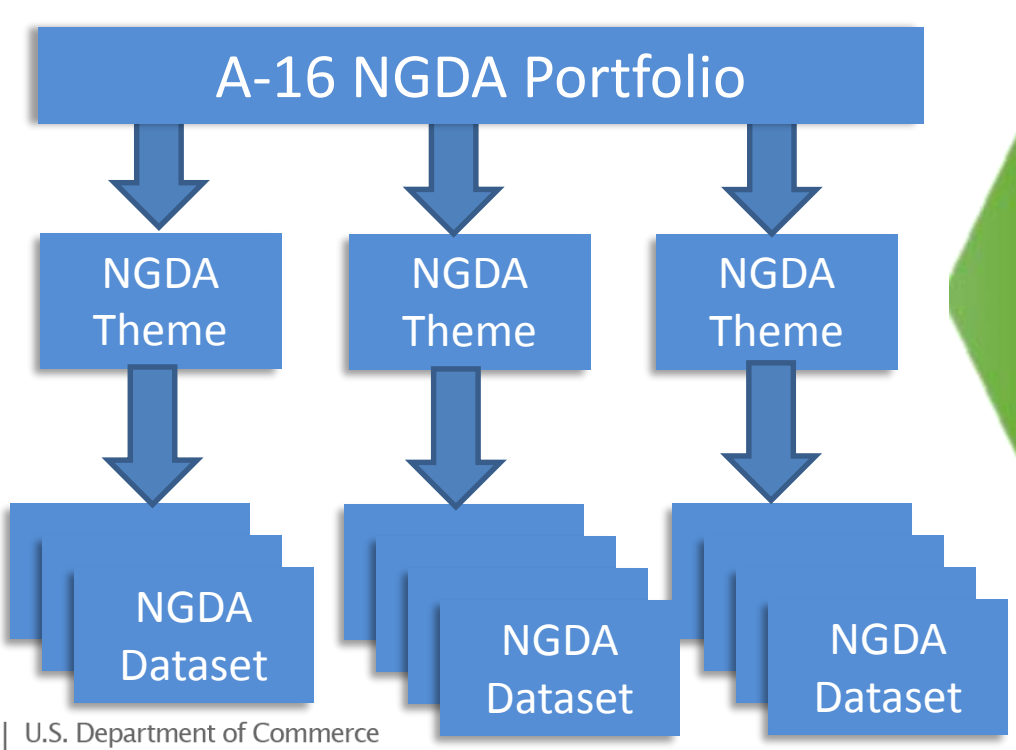
National Assets + Geospatial Data =

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



- Address
- Biodiversity and Ecosystems
- Cadastre
- Climate & Weather
- Cultural Resources
- Elevation
- Geodetic Control
- Geology
- Governmental Units
- Imagery
- Land Use – Land Cover
- Real Property
- Soils
- Transportation
- Utilities
- Water – Inland
- Water – Oceans & Coasts

Framework themes are noted in yellow

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

115th Congressional District
State Legislative District (SLD) Lower Chamber
Estate (U.S. Virgin Islands)
Governmental Units
American Indian Tribal Subdivision
County and equivalent
2010 Census Public Use Microdata Area
Combined NewEngland City and Town Area
2010 Census Urban Area
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Alaska Native Regional Corporation (ANRC)
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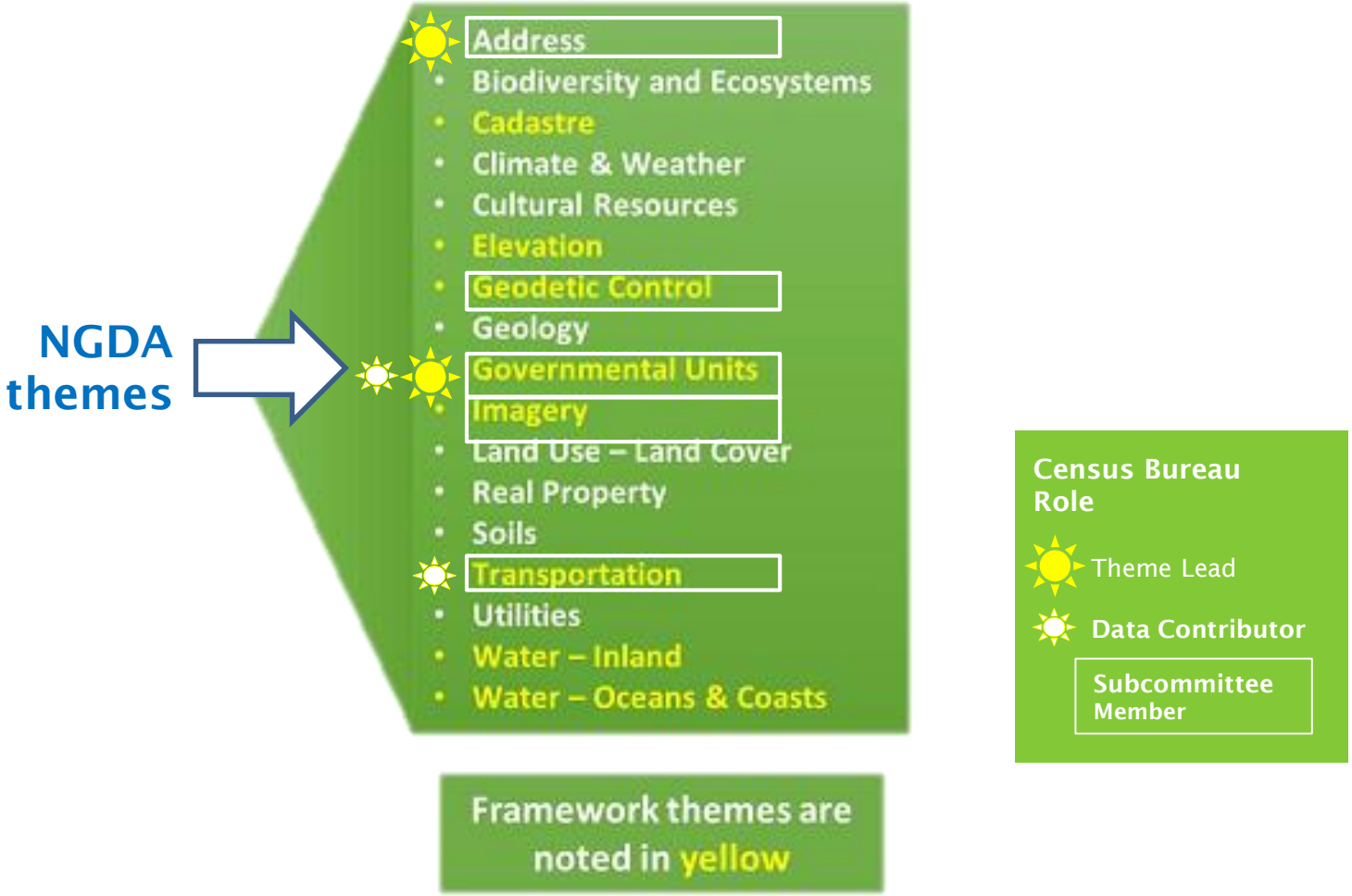
State and Equivalent

https://www.whitehouse.gov/omb/circulars_a016_rev/#2b1

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:

- 115th Congressional District
- 2010 Census 5-digit ZIP Code Tabulation Area
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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

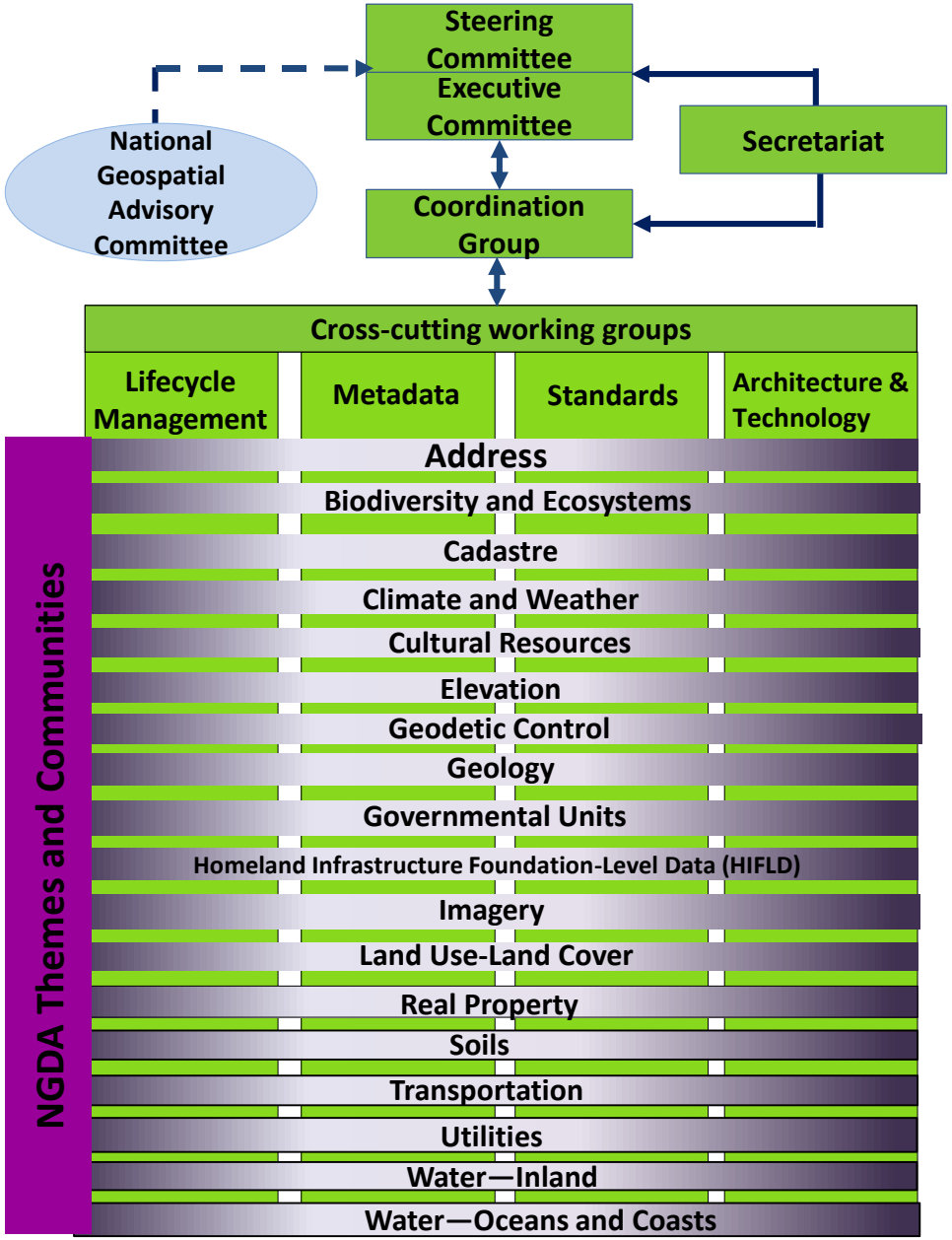
Tennessee Valley Authority

U.S. Agency for International Development

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



Adapted fFrom Ivan DeLoatch (FGDC). Geospatial World Forum, May 5, 2014

Department of Commerce:
Geospatial Leadership, Partnerships, and Platforms

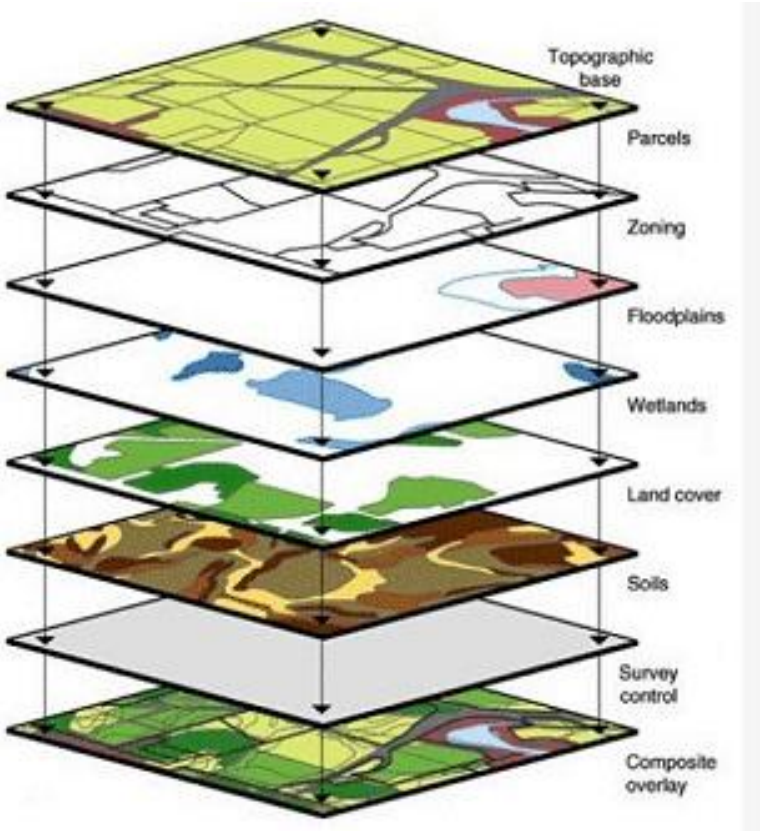
- **Federal Geographic Data Committee (FGDC) Leadership**
  - **Address Subcommittee** (Census Bureau; co-lead)
  - **Climate and Weather Theme** (NOAA; theme lead)
  - **Elevation Theme** (NOAA; co-lead)
  - **Federal Geodetic Control Subcommittee** (NOAA; chair)
  - **Governmental Units** (Census Bureau; 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)

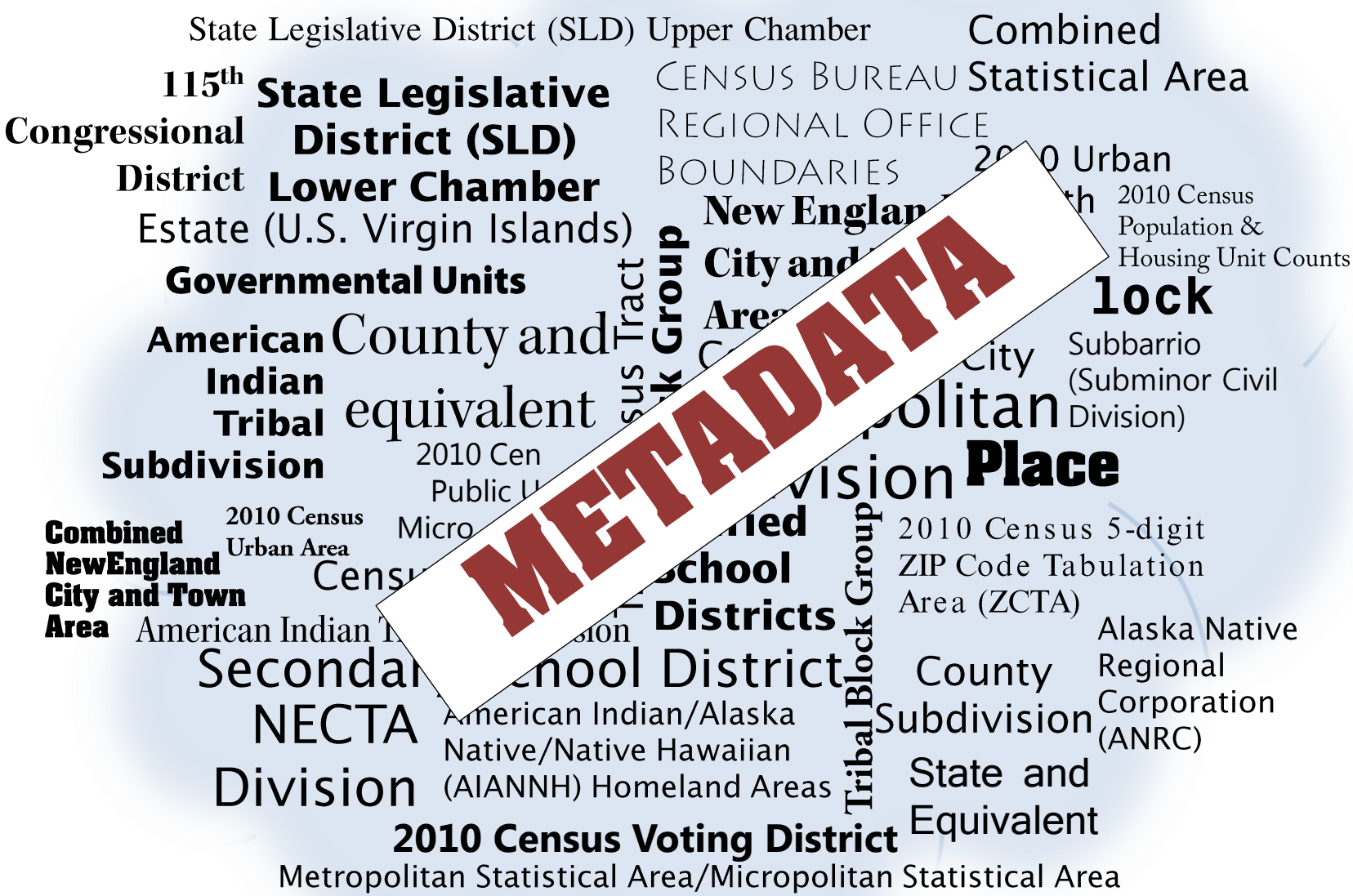
Where do you find the NGDAs?

You can find all of the NGDAs



…on the Geospatial Platform (or GeoPlatform)!

How do you find the NGDAs?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State and Equivalent
2010 Census Voting District
Metropolitan Statistical Area/Micropolitan Statistical Area
METADATA

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 oPlatform

OPEN GEOSPATIAL DATA

Census geospatial products are available as

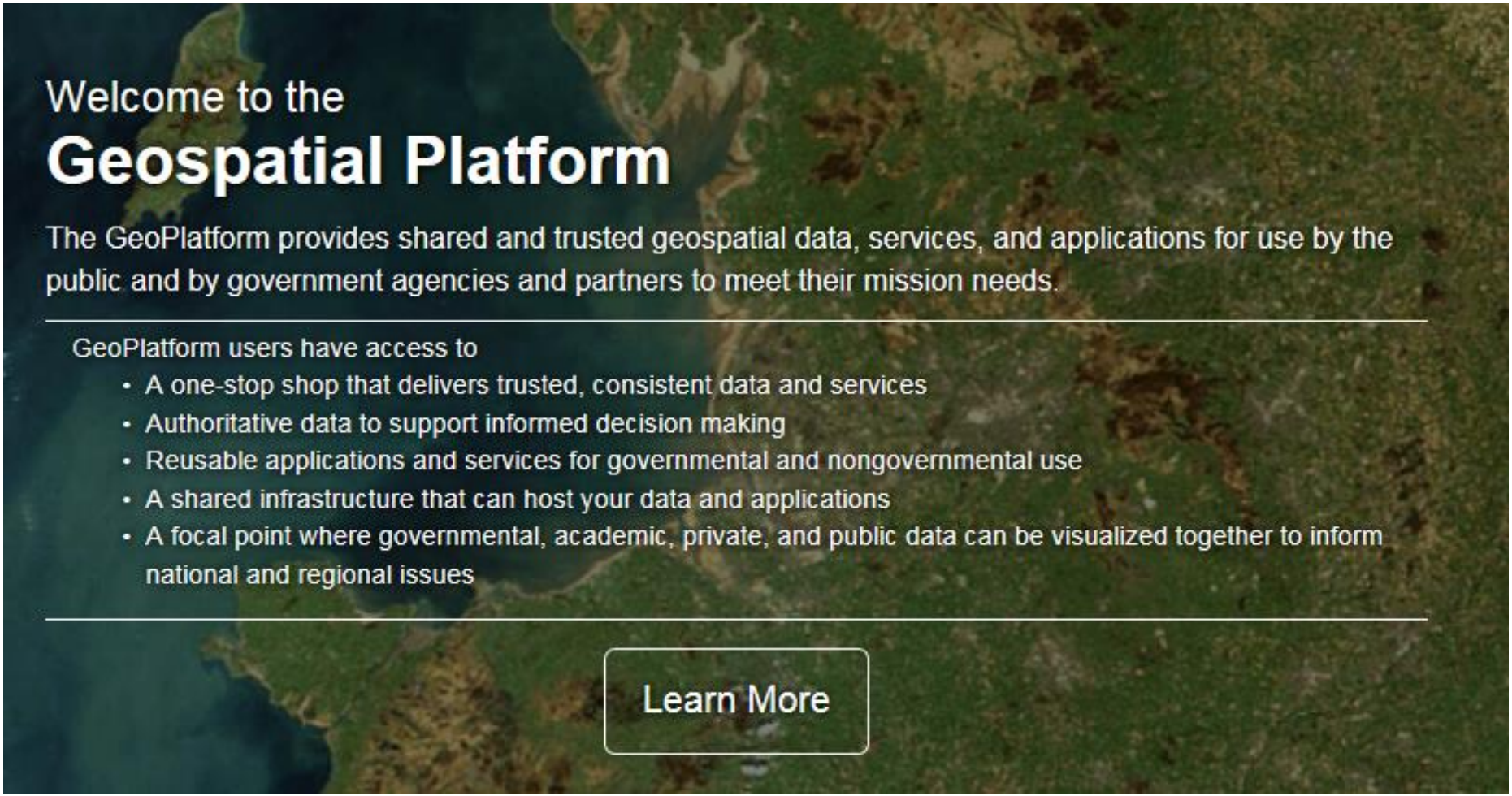
OPEN

National Geospatial Data Assets

for the public on the GeoPlatform

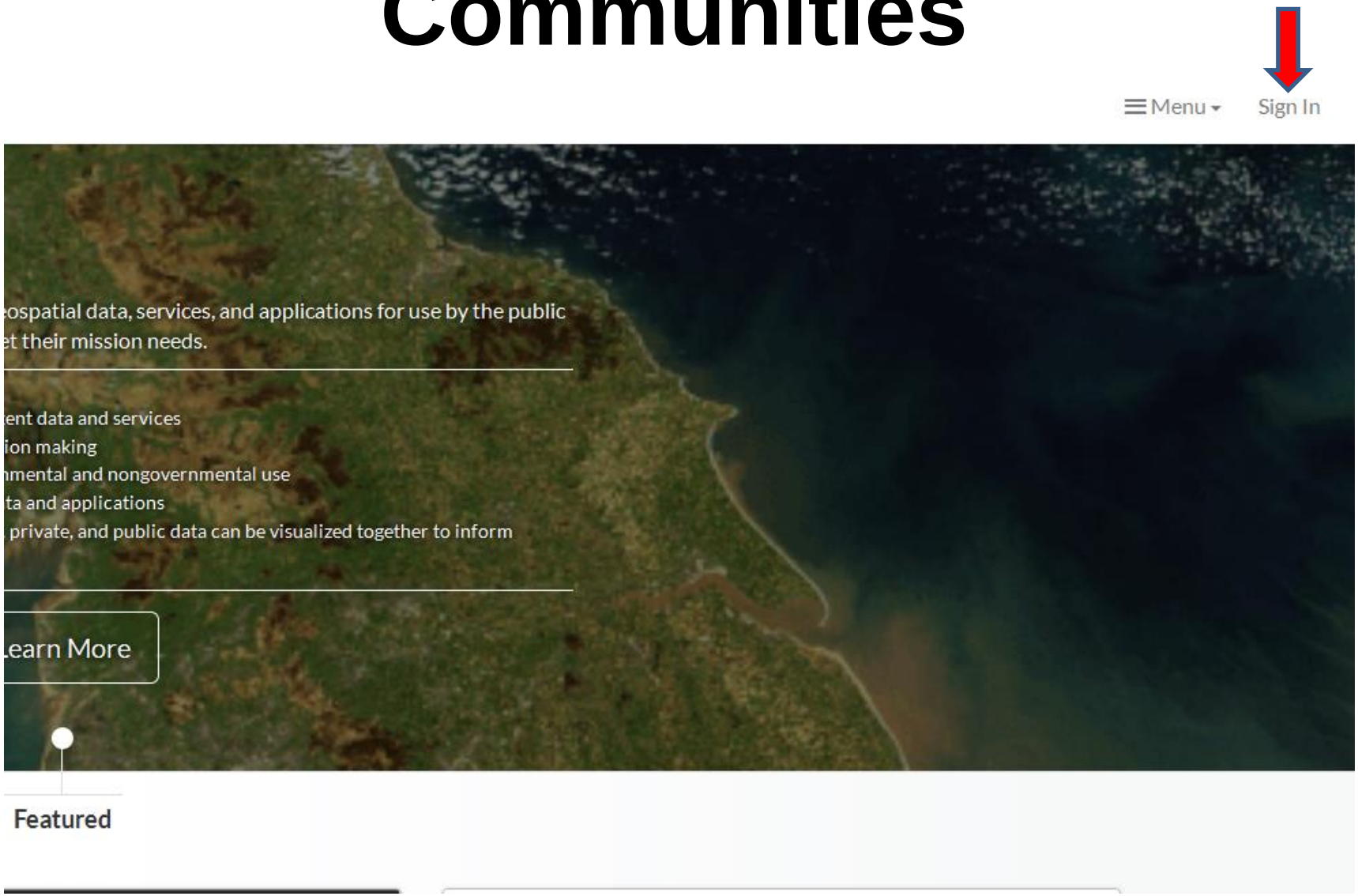
What's under the GeoPlatform's hood?

GEOPLATFORM.gov



Communities

Communities



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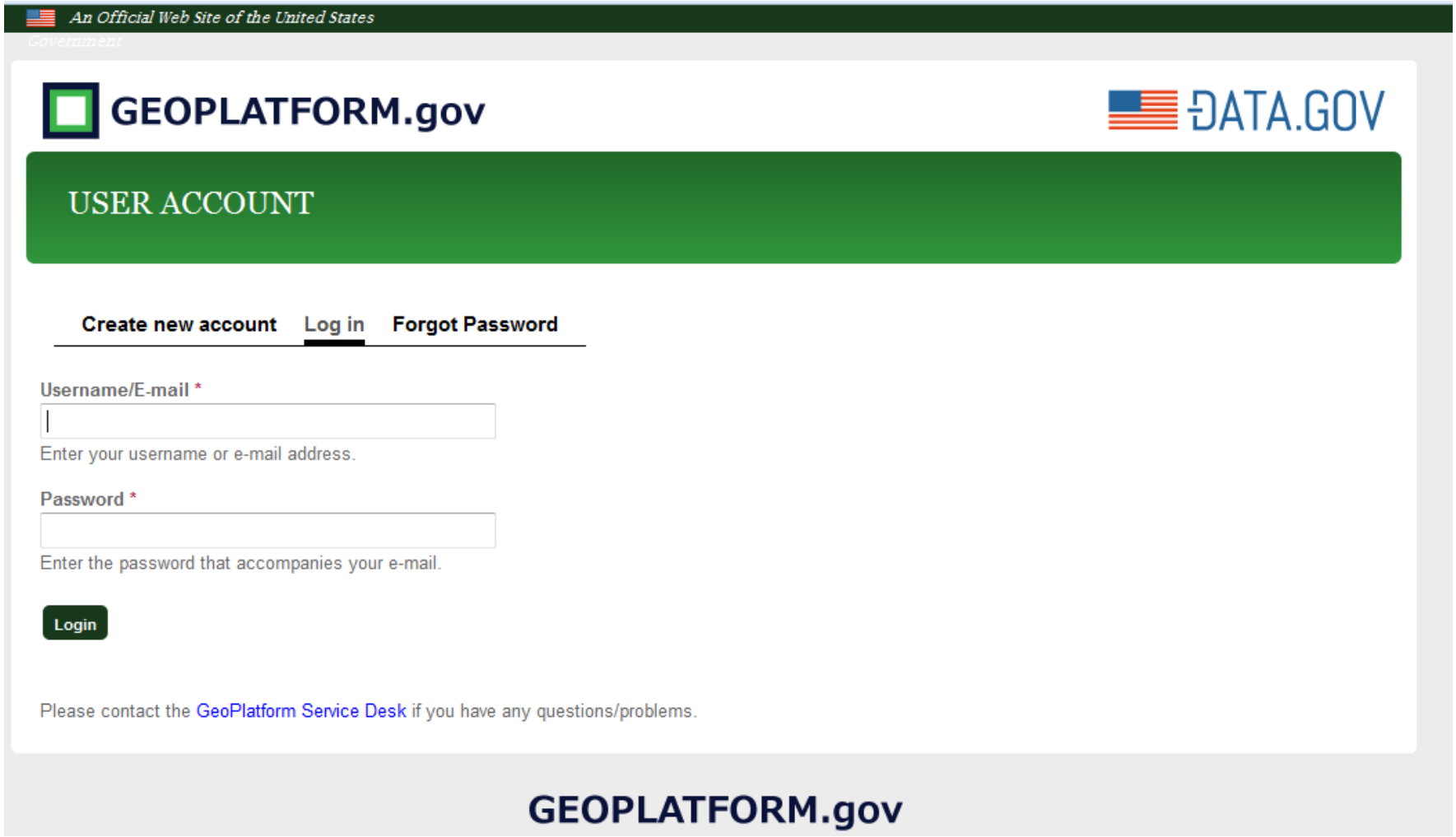
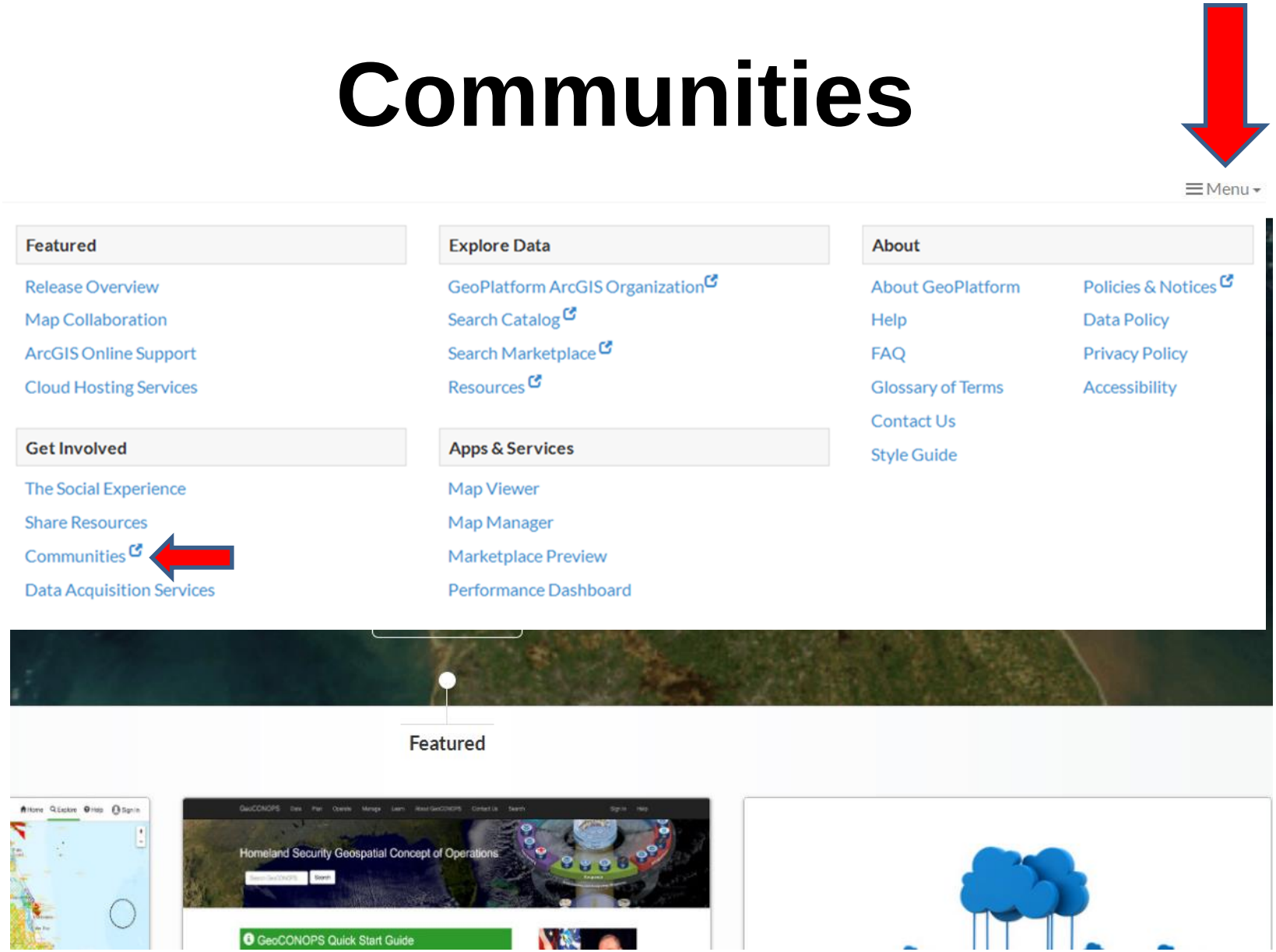


Communities



Communities

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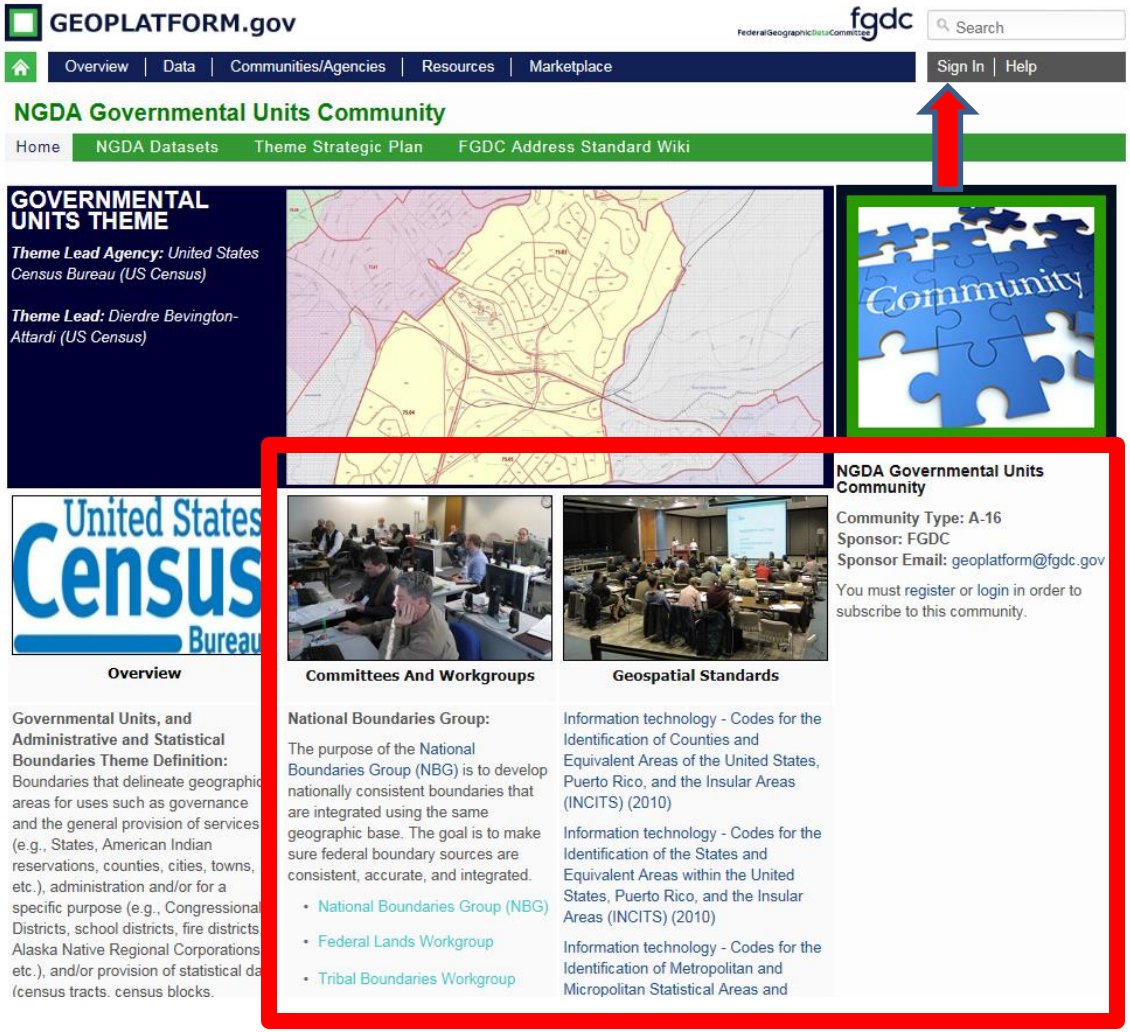

Communities

Committees And Workgroups

Geospatial Standards

Community

Community Type: A-16
Sponsor: FGDC
Sponsor Email: geoplatform@fgdc.gov

Unsubscribe from group
Add Community Content

- Announcements
- Blog Post
- Community Event
- Community FAQs
- Discussion Topic
- Forum topic
- Poll
- Web Page - Announcement List
- Web Page - Blank
- Web Page - Blog List
- Web Page - Discussion List
- Web Page - Event List
- Web Page - FAQ List
- Web Page - Forum Topics
- Web Page - Poll List
- Wep Page - Wiki Page List
- Wiki Page

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

How to Join This Community

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 Related Statistical Areas of the United States and Puerto Rico (INCITS)

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

Lisajjohnson@boisestate.edu

PAD-US Action Plan

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

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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

ISO-19139 Metadata

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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. C
(MTDB). The MTDB represents a seamless national file with no overlaps or gaps between parts, however, each TIGER/Line shapefile is designed to stand
areas from which people are elected to the U.S. House of Representatives. After the apportionment of congressional seats among the States based on ce
representatives. Each congressional district is to be as equal in population to all other congressional districts in a State as practicable. The 115th Congres
Areas (American Samoa, Guam, the Commonwealth of the Northern Mariana Islands, and the U.S. Virgin Islands) each contain a single record for the nor
Bureau 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
Language: eng
Thumbnail:

Browse Graphic: https://tigerweb.geo.census.gov/arcgis/services/TIGERweb/tigerWMS_Current/MapServer/WmsServer?REQUEST=GetMap&SERVIC
Labels&STYLES=default,default&FORMAT=image/svg+xml&BGCOLOR=0xFFFFFF&TRANSPARENT=TRUE&CRS=EPSG:4326&BBOX=32.860571,-113.50
Browse Graphic Type: URL for the TigerWeb Web Mapping Service
Browse Graphic Caption: URL for the TigerWeb Web Mapping Service

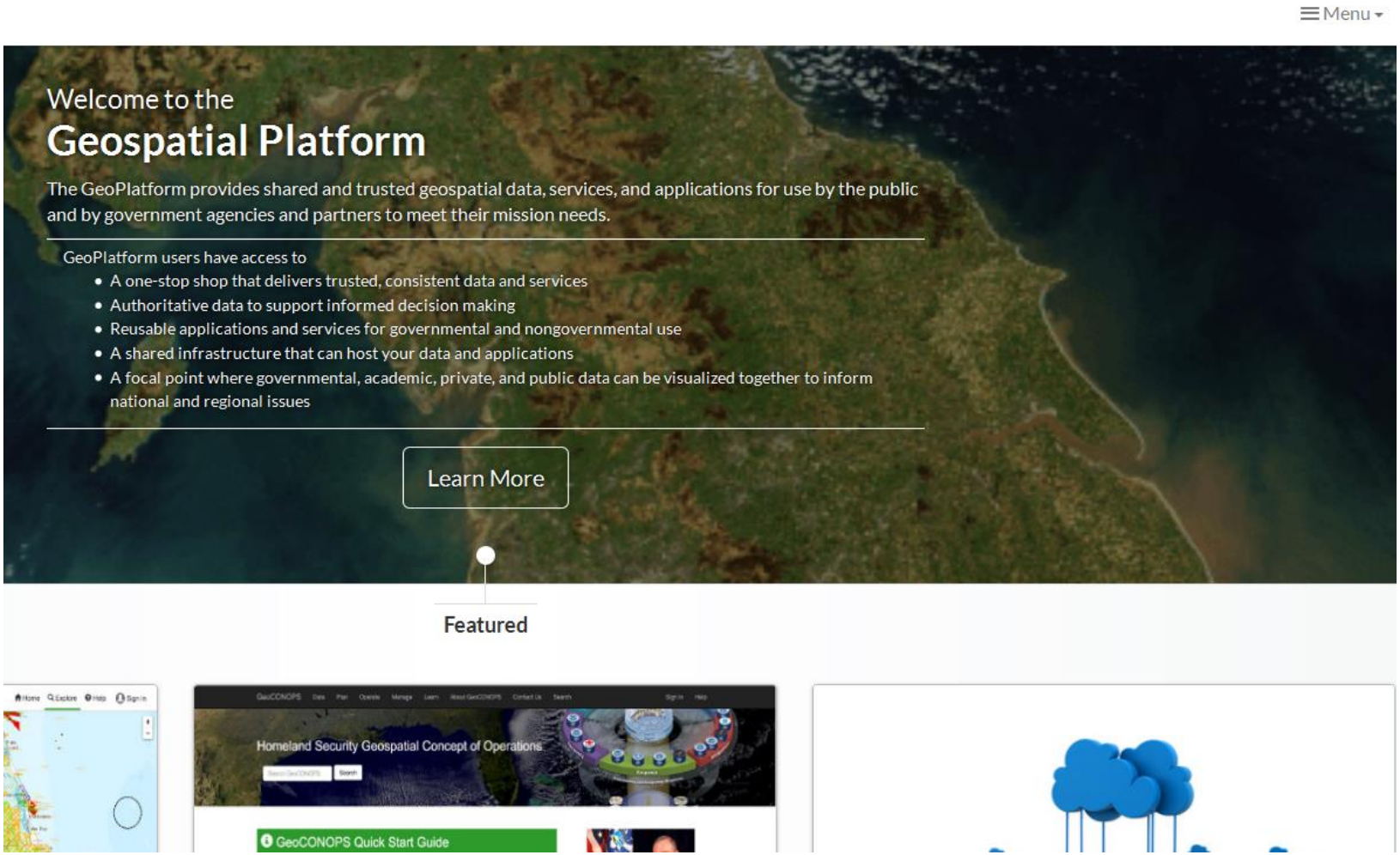
Citation:

Title: TIGER/Line Shapefile, 2016, nation, U.S., 115th Congressional District National
Alternate Title: National Geospatial Data Asset (NGDA) 115th Congressional District
Date:

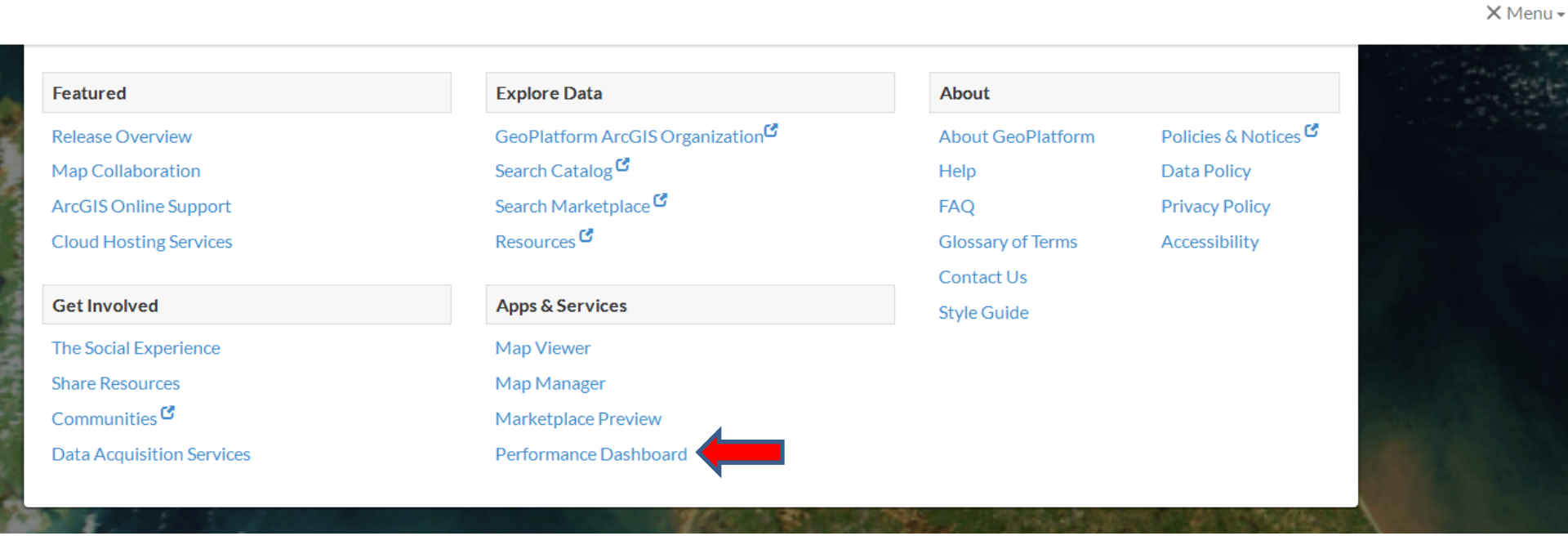
Date: 2016
Date Type: Publication Date

NGDA Lifecycle Maturity Assessment Dashboard

NGDA Lifecycle Maturity Assessment Dashboard



NGDA Lifecycle Maturity Assessment Dashboard



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 Datase
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 unc
NGDAs.

Survey: 2015 Final Survey Results

Themes: 0 Selected

Agencies: 0 S

Dataset	General	Define	Inventory Evaluation	Obtain	Access	Maintain
Rollup	4/5	4/5	5/5	5/5	5/5	4/5
1 meter Digital Elevation Models (DEMs) - USGS National Map 65.00 45s	4/5	5/5	5/5	3/5	5/5	4/5
1/3rd Arc-second Digital Elevation Models (DEMs) - USGS National Map 59.00 36s	4/5	5/5	5/5	4/5	5/5	4/5
114th Congressional District 99.58 0.53s	5/5	5/5	5/5	5/5	5/5	5/5
2010 Census 5-digit ZIP Code Tabulation Area 99.00 1.28s	5/5	5/5	5/5	5/5	5/5	5/5
2010 Census Population & Housing Unit Counts 98.69 1.68s	5/5	5/5	5/5	5/5	5/5	5/5

NGDA Lifecycle Maturity Assessment Dashboard

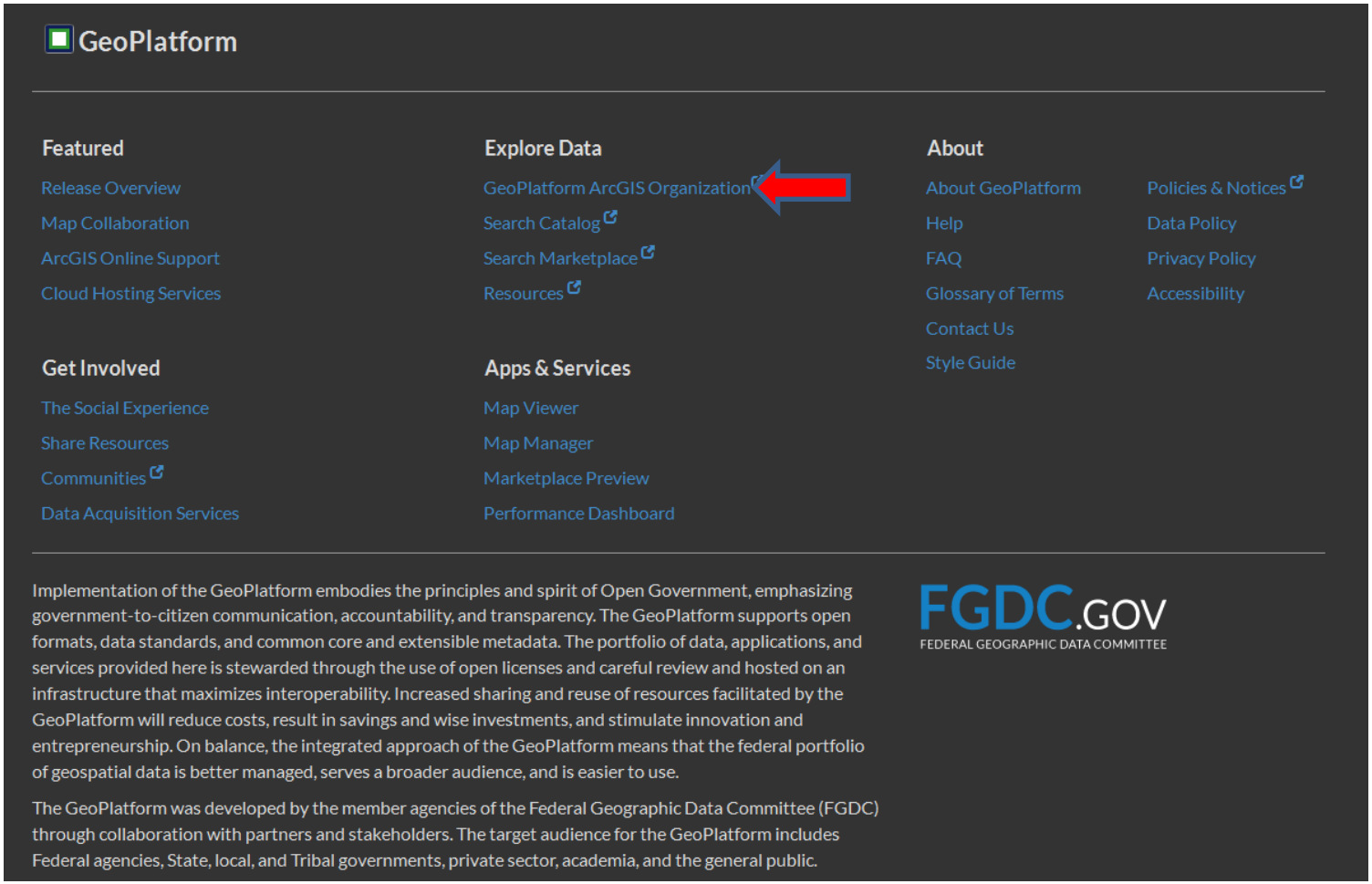
General	Define	Inventory Evaluation	Obtain	Access	Maintain	Use Evaluation	Archive	Overall
4/5	4/5	5/5	5/5	5/5	4/5	4/5	4/5	4/5
4/5	5/5	5/5	3/5	5/5	4/5	5/5	3/5	4/5
4/5	5/5	5/5	4/5	5/5	4/5	5/5	3/5	4/5
5/5	5/5	5/5	5/5	5/5	5/5	5/5	5/5	5/5
5/5	5/5	5/5	5/5	5/5	5/5	5/5	5/5	5/5
5/5	5/5	5/5	5/5	5/5	5/5	5/5	5/5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

ArcGIS Online

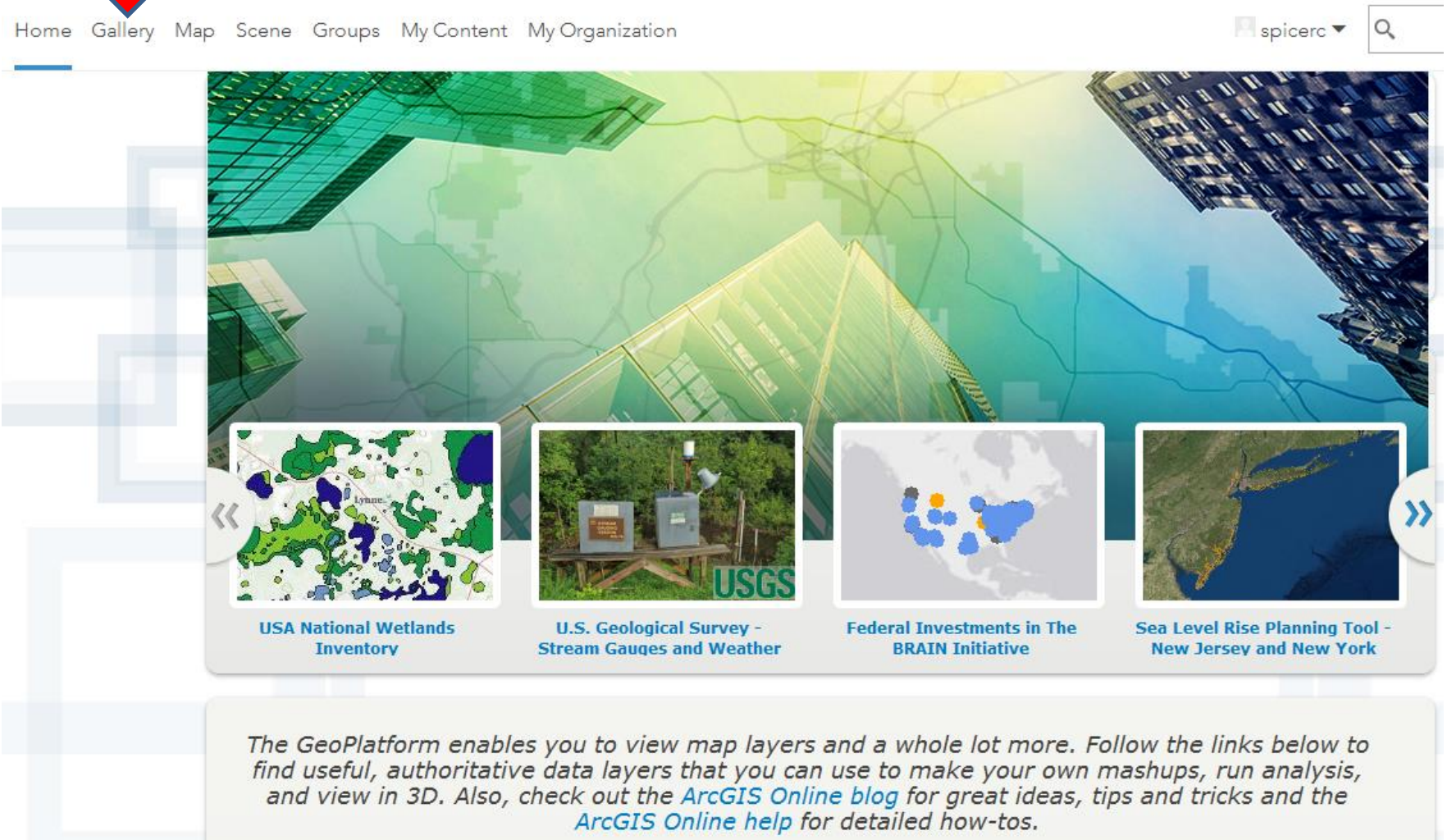
Using ArcGIS within the GeoPlatform

- 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

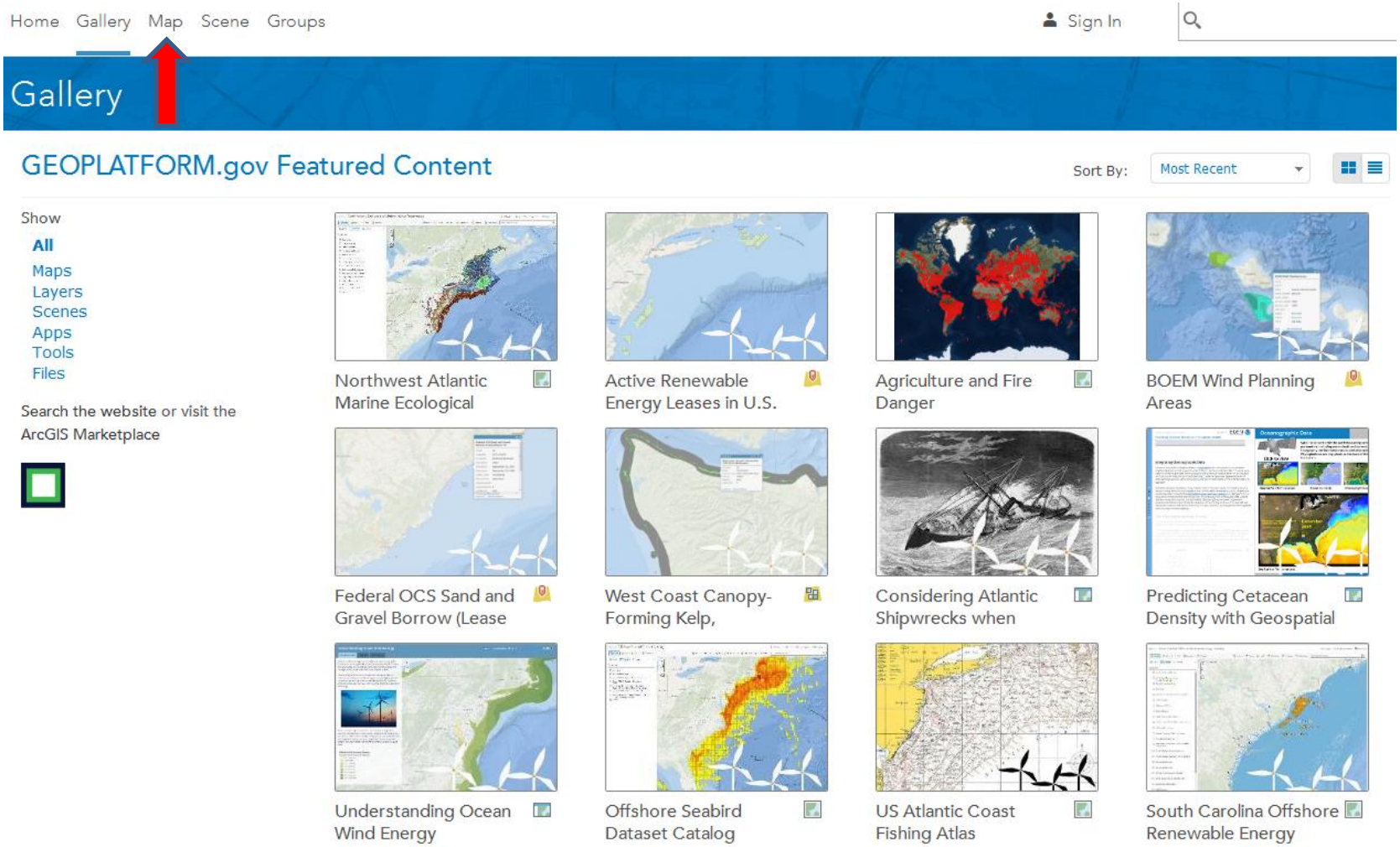
Using ArcGIS within the GeoPlatform



ArcGIS Online (AGOL)



ArcGIS Online (AGOL)



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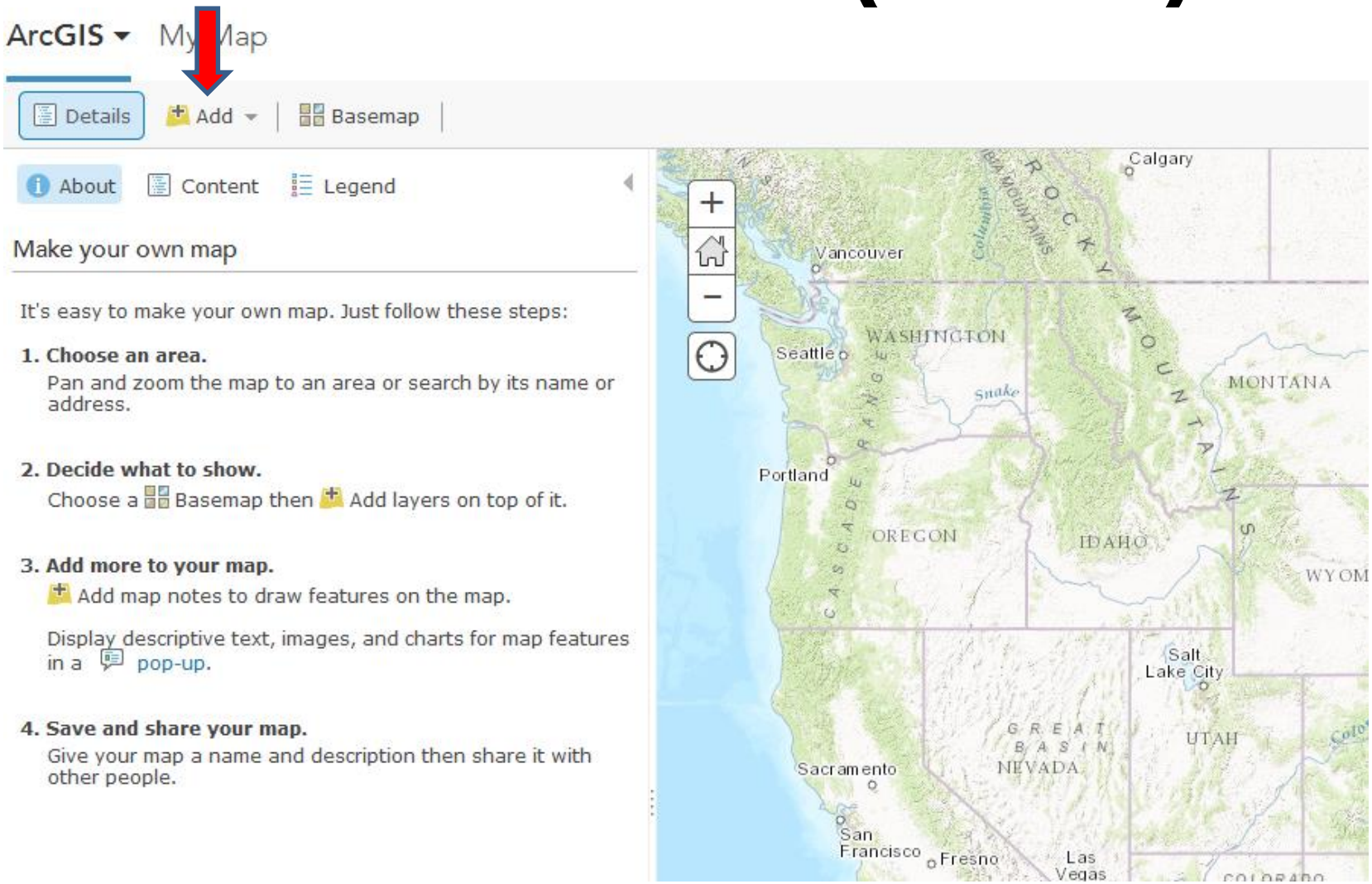
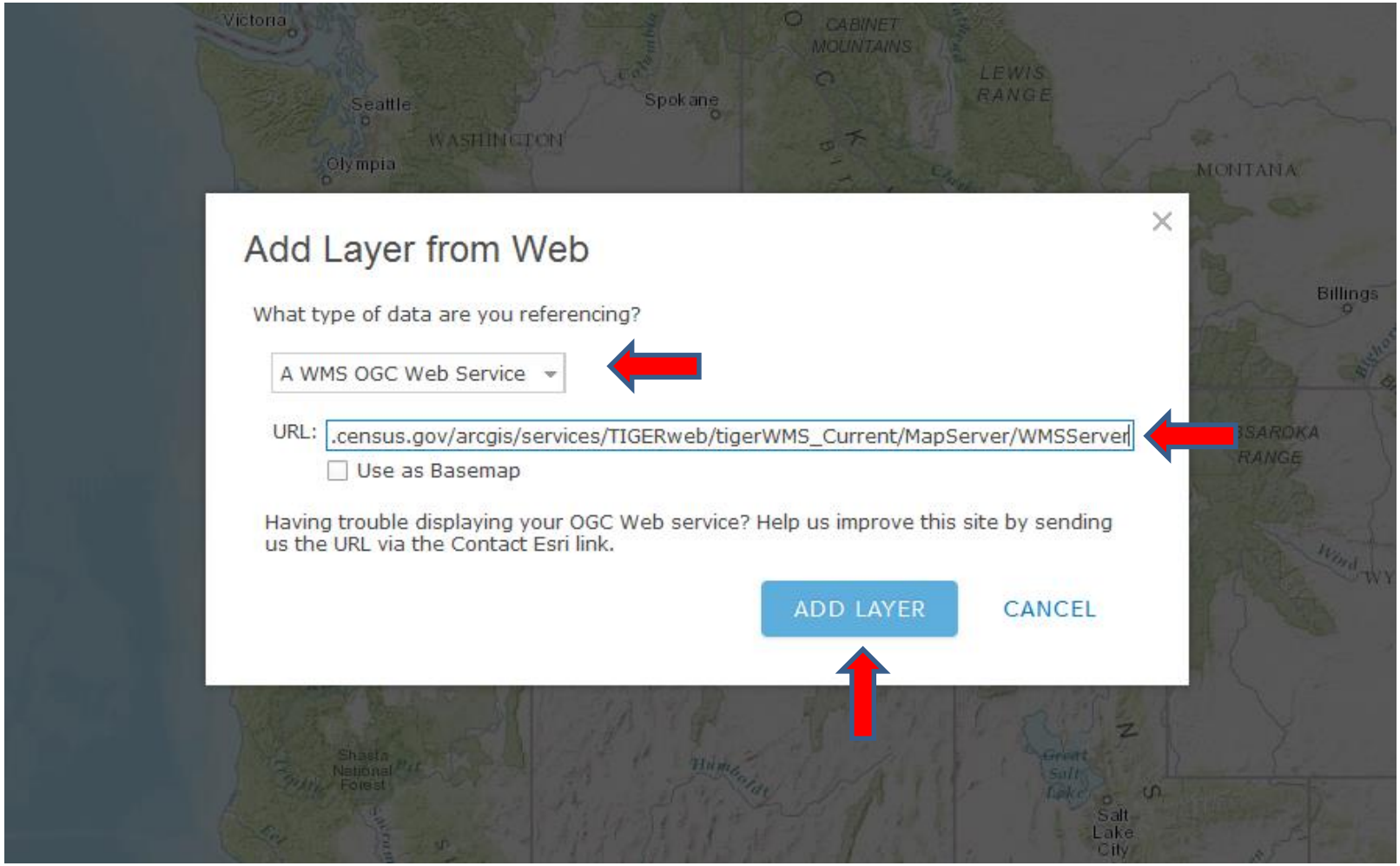
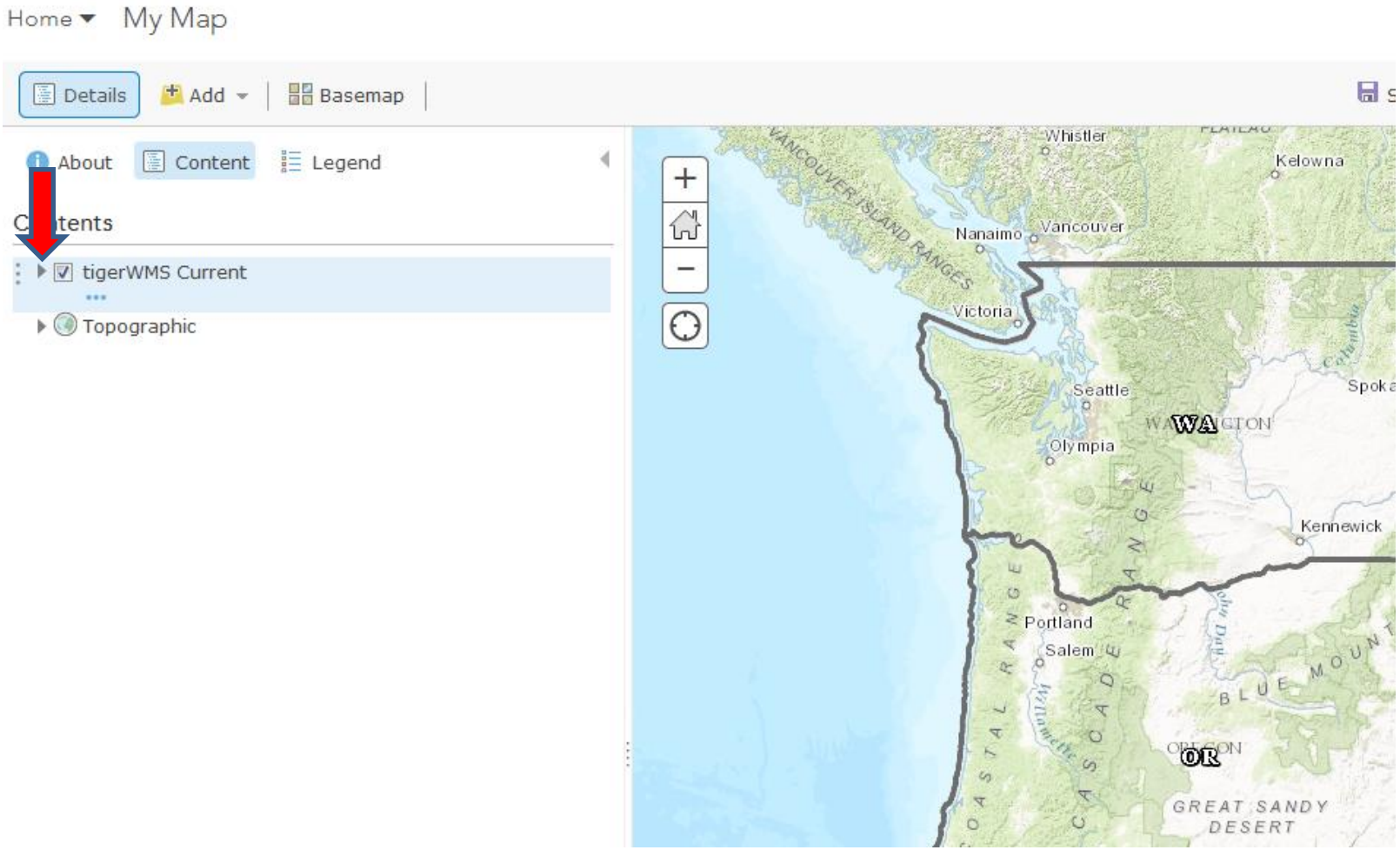


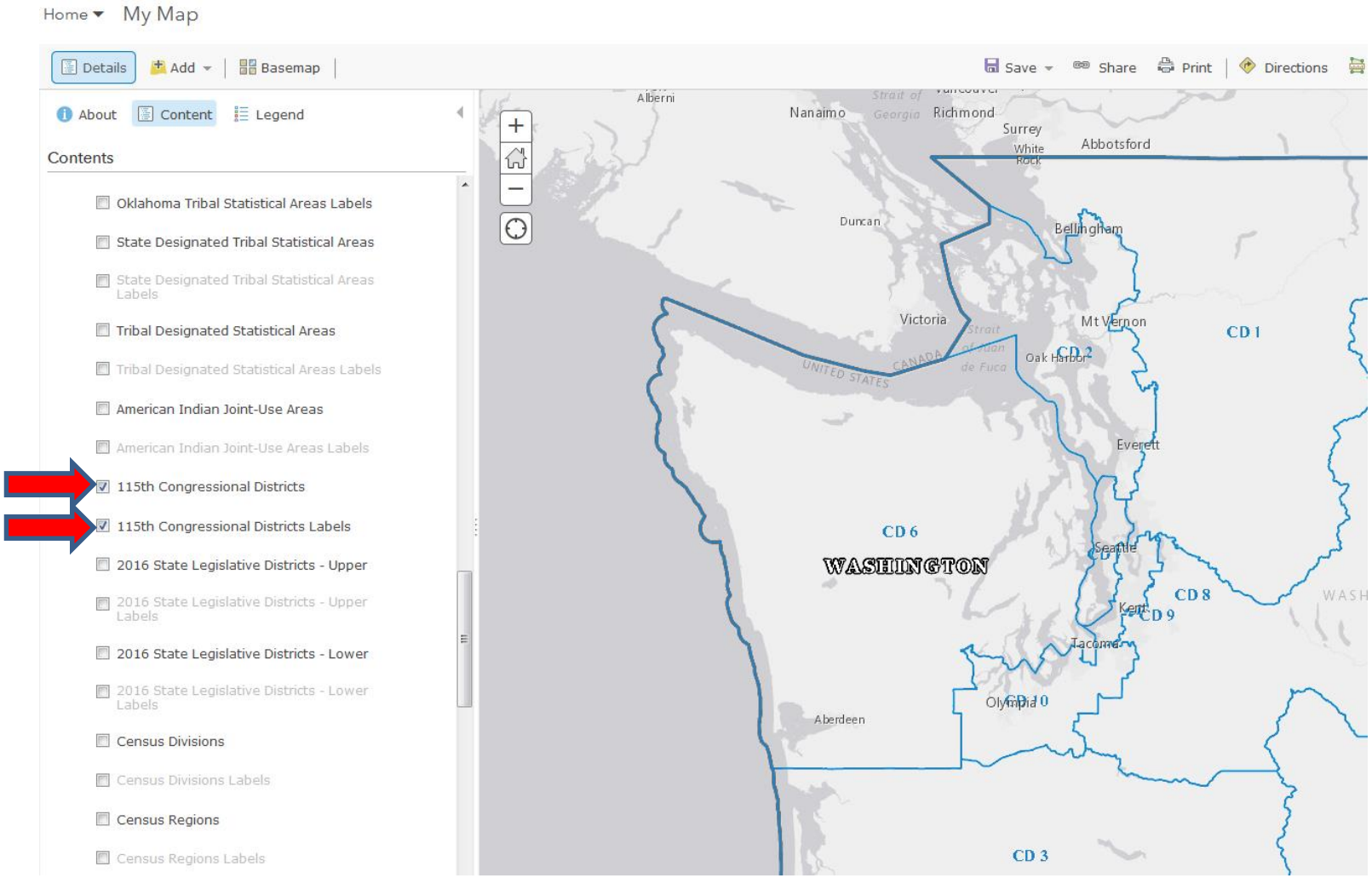
ArcGIS Online (AGOL)



ArcGIS Online (AGOL)



ArcGIS Online (AGOL)



Governmental Unit and Administrative and Statistical Boundary Theme NGDAs

- 115th 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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