

An aerial photograph of a city skyline at dusk. The sky is a mix of dark blue and orange, with scattered clouds. The city is densely packed with skyscrapers, many of which are illuminated with warm yellow lights. A body of water is visible on the left side of the image, reflecting the city lights. The overall scene is a vibrant and detailed representation of a major urban center.

# Roundtable on Interdisciplinary and Inter-organizational Research and Innovation in Geospatial

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U.S. Census Bureau

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## Development of the 2021 - 2031 Vision for the Geographic Support Program

- Continue the programs, data offerings, methodologies, and procedures that work well.
- Capitalize on our use of automated methods and technology.
- Perform continuous assessment of our data and products – are they still relevant?
- Improve and expand data in the MAF/TIGER System.
- Expand use of our data by partners inside and outside the Census Bureau.

However, we recognized that this Vision was incomplete without hearing directly from our external stakeholders.



# Geographic Support Program Listening Tour

## **Geospatial Data**

Provide geospatial data and tools to data users and citizens to increase decision-making ability.

## **Automated Processes**

Utilize automated change detection for decision-making and sharing results with partners to track landscape changes.

## **Collaboration**

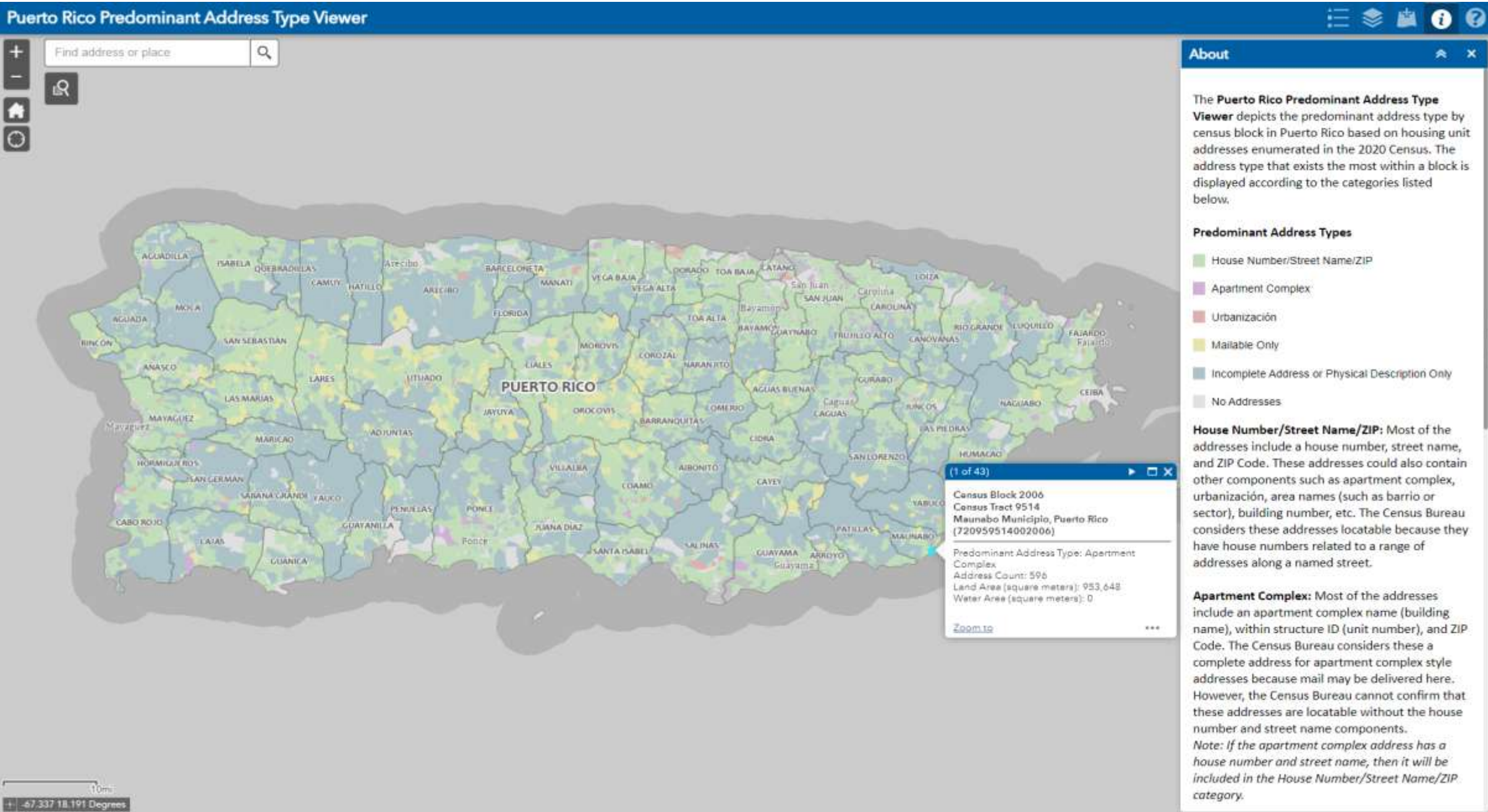
Partner with state and higher-level governments for more efficient geospatial data updates, reducing the burden on local governments.

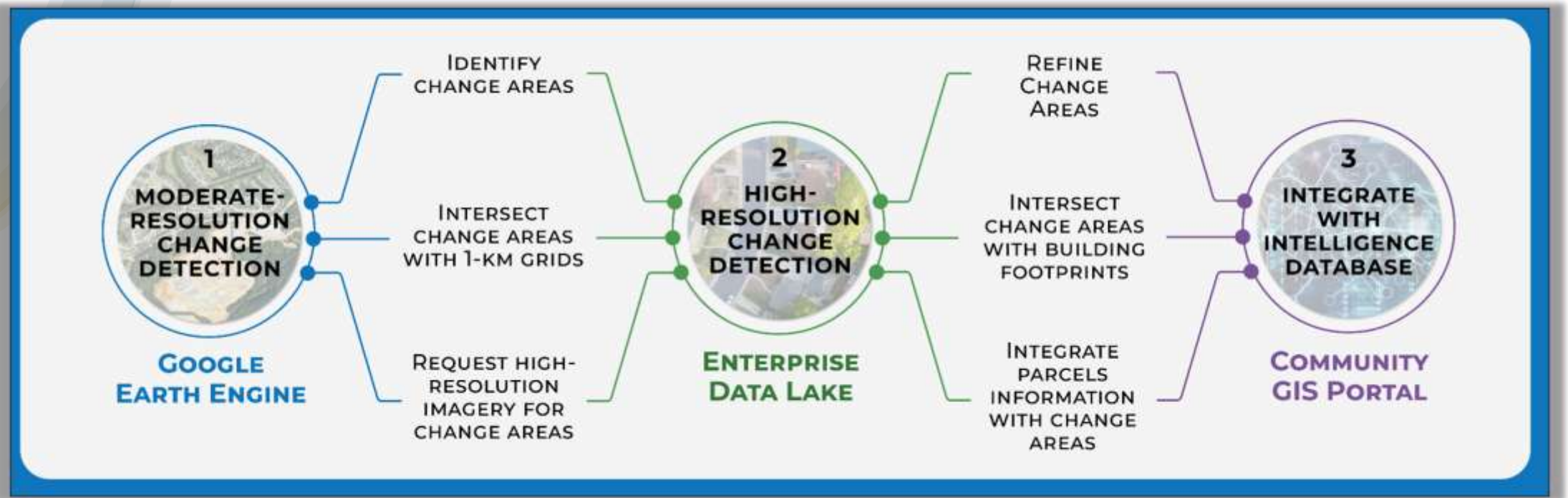
## **Partnerships and Communication**

Develop a "one-stop shop" Partner Portal for boundary, feature, and address updates, enabling access to participation info, data, and communication with Census Bureau staff.



# Geospatial Data Tools





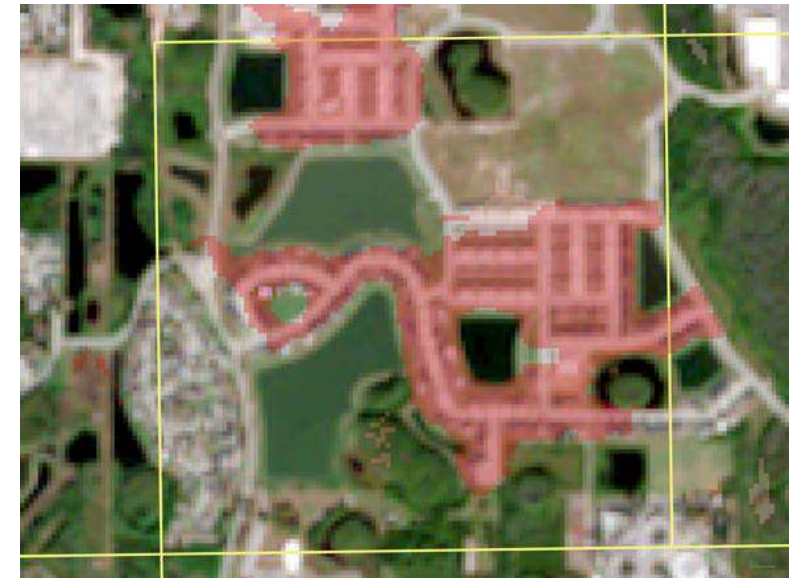
## Automated Change Detection

# Automated Change Detection

## Moderate-Resolution Imagery

*Top:* Moderate-resolution imagery tile from ESA Sentinel-2, captured 04/03/2020.

*Bottom:* Moderate-resolution imagery tile from ESA Sentinel-2, captured 11/04/2023 and overlaid with areas of change.







# Automated Change Detection

## High-Resolution Imagery

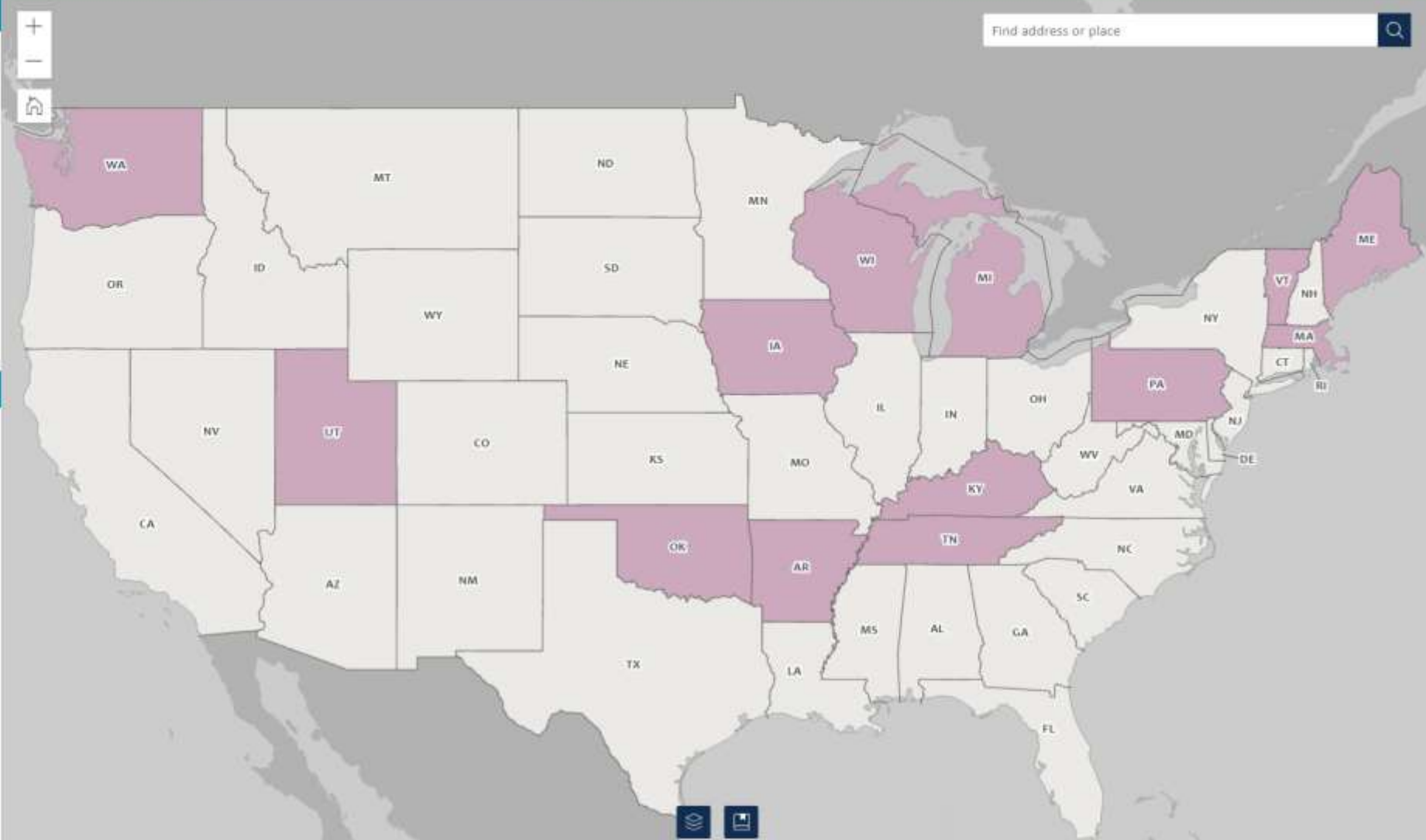
Top: High-resolution imagery tile from Maxar Global Enhanced GEOINT Delivery (G-EGD), captured 3/12/2023.

Bottom: High-resolution imagery tile from Maxar Global Enhanced GEOINT Delivery (G-EGD), captured 3/12/2023, with existing base building footprint layer shown in blue and new building footprints extracted on 11/06/2023 shown in red.

# Collaboration


### RESPONSE STATUS MAP

## State (or state equivalent) boundary





# Partnership and Communication

 U.S. Census Bureau Geography Division Partner Portal [Contact Us](#) [Log In](#) [Register](#)

## Welcome to the Geography Division Partner Portal!


The Geography Division Partner Portal (GDPP) is the centralized information hub for Geographic Partnership Programs. Within the GDPP, participants will find streamlined access to:


- Census Bureau geographic and statistical data.
- Program invitations.
- Historical participation information.
- Correspondence with Census Bureau geographers.
- Contact information.


[Log In](#) [Register](#) [Continue as Guest](#)

### New Updates

Have questions? We're here to help.




 U.S. Census Bureau Geography Division Partner Portal [Contact Us](#) [Log In](#) [Register](#)



**Jefferson County, ID**  
Entity ID: 0016051    BAS ID: 21605100000    2020 Population: 30,891    2020 HU Count: 10,134  
For more information about the displayed counts, please visit the PL 94-171 website.

[GEO HOME](#) [BAS](#) [SORP](#)

[Geo Home](#) / [BAS Module](#)




**Boundary and Annexation Survey**  
BAS Contact: Mickey Mouse    2024 BAS Response: Responded with no changes    BAS Partnership Type: 1  
Highest Elected Official (HEO) Contact: Donald Duck

The Boundary and Annexation Survey (BAS) provides tribal, state, and local governments an opportunity to review the Census Bureau's legal boundary data to ensure the Census Bureau has the correct boundary, name, and status information. BAS also allows participants to review and provide updates to census designated places.


[Read More](#)

### Response Information




**BAS Agreements**

Boundary and Annexation Survey (BAS) Agreements help coordinate information sharing between state and county governments and the Census Bureau.



**BAS Schedule**


Important dates to know for the Boundary and Annexation Survey (BAS).



**Respond to BAS**


Complete the Boundary and Annexation Survey (BAS) Annual Response Form.

### Submission




**BAS Videos**

This collection of videos provides an overview of the BAS and information needed to get started with a program submission.



**BAS Partnership Toolbox**


Create changes using the BAS Partnership Toolbox for ArcGIS Desktop or ArcGIS Pro.



**Geographic Updates Partnership Software (GUPS)**


A customized GIS software provided by the Census Bureau based on the open-source platform QGIS. GUPS is tailored to meet the needs of participants without extensive GIS experience.

### Reference Tools




**Legal Boundary Change/Annexation Data**

View previously submitted legal changes for your government.

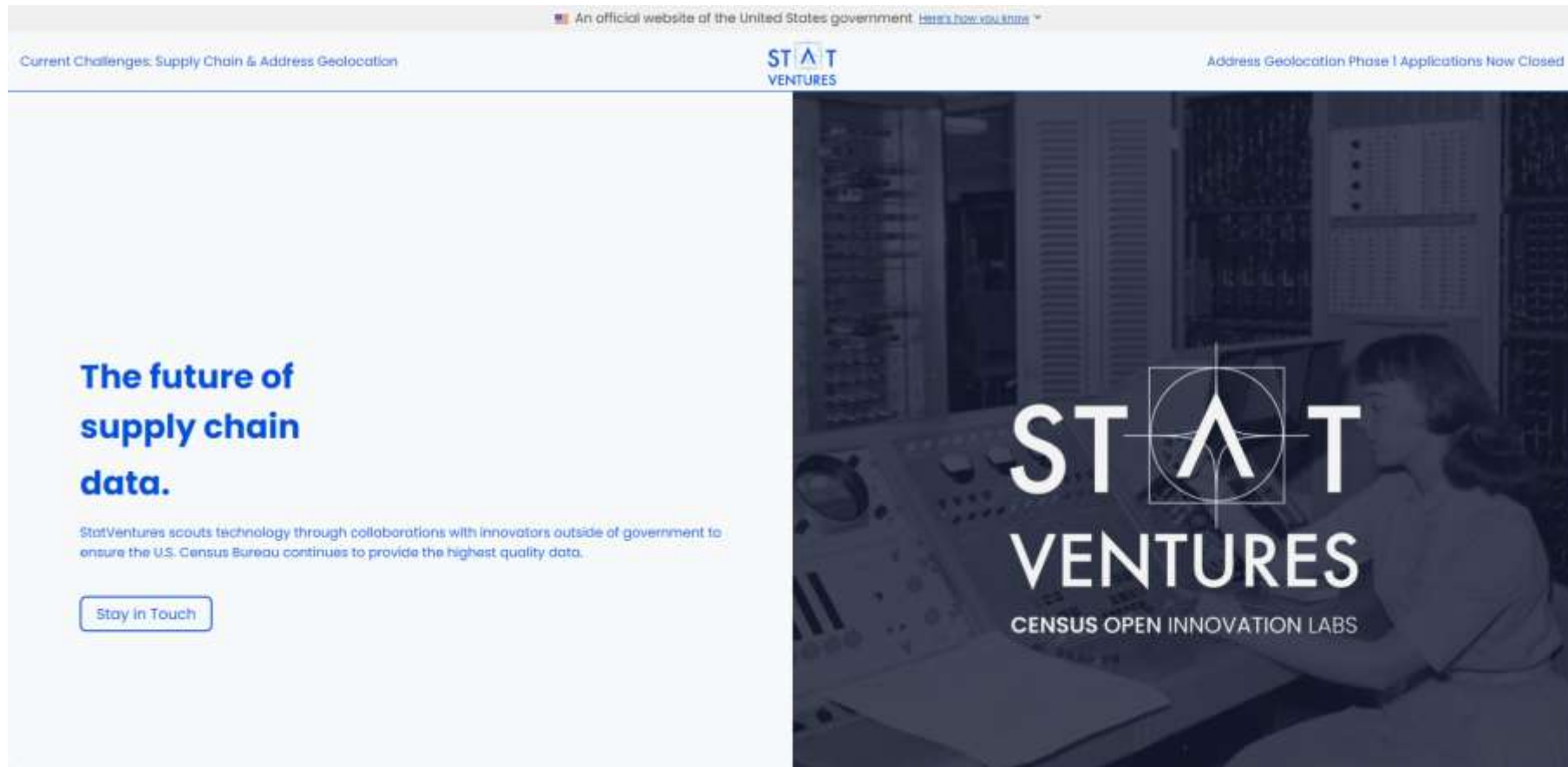


**New Incorporations, Mergers, and Consolidations**



**2023 BAS Maps**

The 2023 Boundary and Annexation Survey (BAS) maps display legal boundaries and names for all governments, as reported through the 2022 BAS.



## Recent Collaborations – Address Geolocation Challenge



# Interdisciplinary and Inter-organizational Collaborations



## GeoGov 2023

National Spatial Data  
Infrastructure Strategic  
Plan

## Geospatial World Forum 2024

U.S Summit and Pavilion



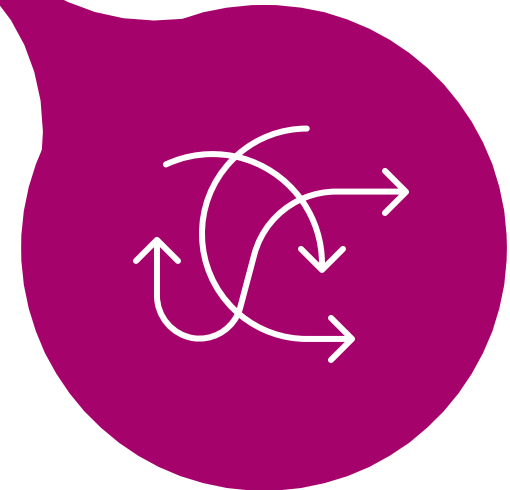
## GeoGov 2024

Discussion on advancing  
the national geospatial  
ecosystem – strategy to  
implementation



## 2024 Esri User Conference

Continued discussions  
with key national  
stakeholders



# Thank You

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