Roundtable on Interdisciplinary and Interorganizational Research and Innovation in Geospatial

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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**

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Find address or place

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#### The Puerto Rico Predominant Address Type

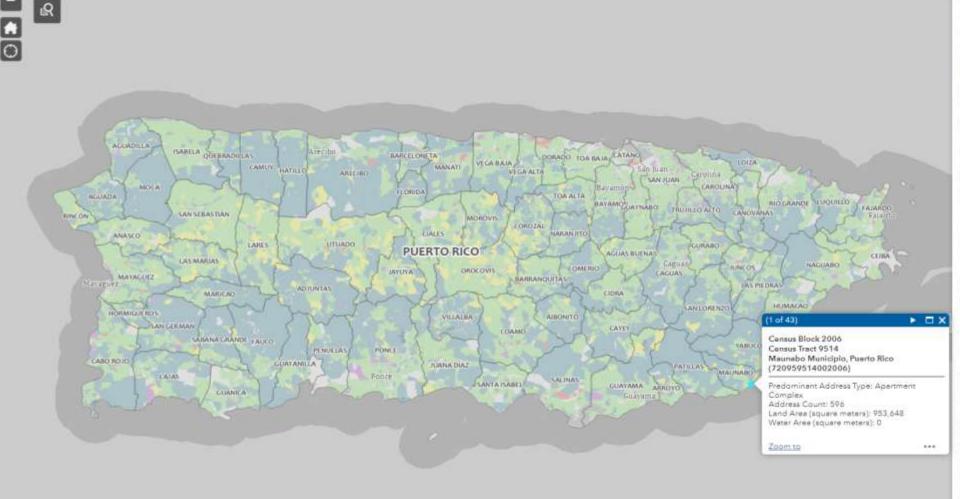
Viewer depicts the predominant address type by census block in Puerto Rico based on housing unit addresses enumerated in the 2020 Census. The address type that exists the most within a block is displayed according to the categories listed below.

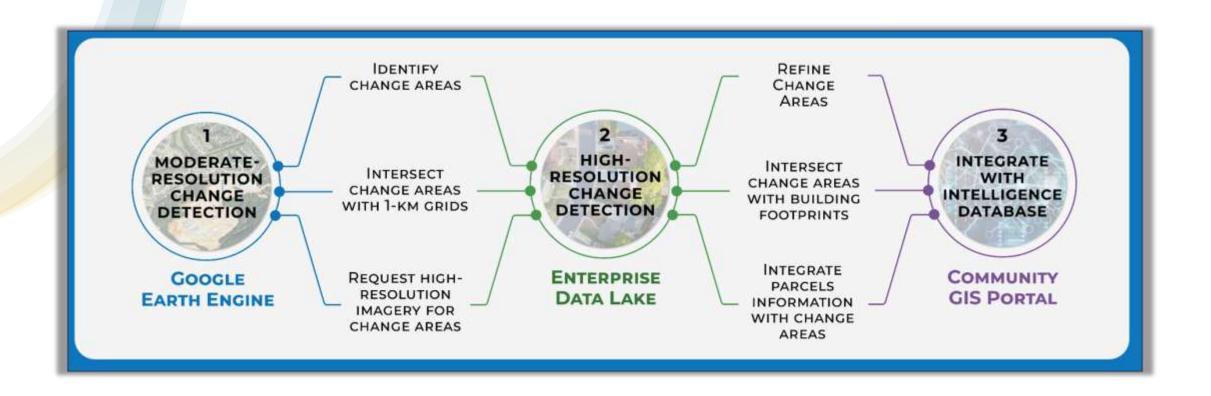
#### Predominant Address Types

- House Number/Street Name/ZIP
- Apartment Complex
- Urbanización
- Mailable Only
- Incomplete Address or Physical Description Only
- No Addresses

House Number/Street Name/ZIP: Most of the addresses include a house number, street name, and ZIP Code. These addresses could also contain other components such as apartment complex, urbanización, area names (such as barrio or sector), building number, etc. The Census Bureau considers these addresses locatable because they have house numbers related to a range of addresses along a named street.

Apartment Complex: Most of the addresses include an apartment complex name (building name), within structure ID (unit number), and ZIP Code. The Census Bureau considers these a complete address for apartment complex style addresses because mail may be delivered here. However, the Census Bureau cannot confirm that these addresses are locatable without the house number and street name components. Note: If the apartment complex address has a house number and street name, then it will be included in the House Number/Street Name/ZIP category.





### **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 overlayed 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

#### Census 8 ? 2024 Boundary and Annexation Survey (BAS) Viewer PARTICIPATION MAP **RESPONSE STATUS MAP** ABOUT THIS MAP + Q Find address or place This viewer contains BAS participation information displayed with \_ generalized boundaries. To review official boundaries prior to responding to BAS, visit the TIGERweb application. a This participation map identifies the government responsible for responding to BAS. Zoom to display county, minor civil division (MCD), WA ND. place, and tribal geographies, and click on a government in the map MT for additional information. MN To learn more about using this viewer, click the Help (?) button in the ME upper right corner. W/I 1D SD AA1 VT OR To learn more about BAS and Consolidated BAS (CBAS) agreements, ND visit the BA5 website. WY. NV MA IA. For questions or comments, contact geo.bas@census.gov. CT NE PA LEGEND OH 11. IN. 2024 BAS Participation NV MD. CO WV KS MO State (or state equivalent) -KV VA: State has BAS agreement No state agreement CA. TN OK: NC AR State (or state equivalent) boundary NM AZ SC. M5 AL. GA TX. LA FI. 8 🛛

## **Partnership and Communication**

B U.S. Census Bureau Geography Division Partner Portal

#### Contact Us Log in

#### 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.

Continue as Guest

· Contact information.





Have questions? We're here to help.

#### B U.S. Census Bureau Geography Division Partner Portal Contact Us Log in Register 💷 Jefferson County, ID Entity ID: CO16051 2020 Population: 30.891 2020 HU Count: 10,134 BAS ID: 21605100000 . For more information about the displayed counts, please visit the PL 94 171 wabsite of GEO HOME BAS SORP O // Geo Home / BAS Module 22 **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 Downloads data to ensure the Census Buteau has the correct boundary, name, and status information. BAS also allows participants to review and provide updates to census designated places. Read More. . Links to External Sites **Response Information** UN 15 9 10011 Boundary and Annexation Skithely (BAS) of BAS Schedule **BAS Agreements** Respond to EAS. Boundary and Annexation Survey (BAS) Important dates to know for the Boundary Complete the Boundary and Annexation Agreements help coordinate information and Annexation Survey (BAS). Survey (BAS) Annual Response Form. sharing between state and county governments and the Census Bureau. .... Submission BAS Videos rd IIAS Partnership Toolbox Geographic Updates Partnership Software (GUPS) Create changes using the BAS Partnership This optiection of videos provides an overview of the BAS and information Toolbox for ArcGIS Desktop or ArcGIS Pro. A customized GIS software provided by needed to get started with a program. the Census Bureau based on the opensubmission. source platform QGIS. GUPS is tailored to meet the needs of participants without extensive GIS experience. **Reference Tools** Legal Boundary Change/Annexation New incorporations, Mergers, and 2023 8AS Maps Consolidations Data The 2023 Boundary and Annexation View previously submitted legal changes Survey (BAS) maps display legal for your government. boundaries and names for all

governments, as reported through the

2022 BAS.

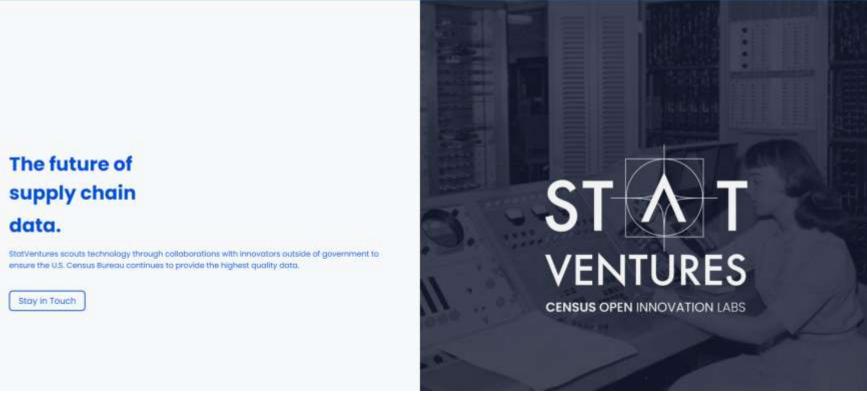
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I An official website of the United States government Here's how you know \*





Address Geolocation Phase I Applications Now Closed



### **Recent Collaborations – Address Geolocation Challenge**

# Interdisciplinary and Inter-organizational Collaborations



### Geospatial World Forum 2024

U.S Summit and Pavilion

### **GeoGov 2023**

National Spatial Data Infrastructure Strategic Plan





### 2024 Esri User Conference

Continued discussions with key national stakeholders

### GeoGov 2024

Discussion on advancing the national geospatial ecosystem – strategy to implementation







# Thank You

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To be the trusted source for timely and relevant statistical information, and the leader in data-driven innovation. To serve as the nation's leading provider of quality data about its people and economy.



