



**Homeland Security  
and Emergency Services**

# **BUILDING INFORMATION AND LANDUSE DATASET (BILD)**

**BILD-TWG Meeting**

*June 25, 2024*



MitigateNY

## BILD-TWG Kickoff Meeting Recap

### Objectives of the Buildings TWG

#### Create Awareness – Share Out

Ensure understanding and ground truthing of data processing  
Consult technical experts for review  
Ensure availability of data for use, update, and analysis by all agencies

#### Discovery and Feedback

Gather information about data and operations to consider for inclusion  
Ensure consistent open feedback loop during future development

#### Facilitate Statewide Adoption

Identify users, use-cases, opportunities to integration – state and local  
Identify next steps for enhancement, ownership, and maintenance

#### Minimize Duplication – Maximize Coordination

Ensure overlapping needs and future projects across state agencies are considered  
Shared effort towards a common process = higher value for all

➤ **58** Participants

➤ **16** Agencies  
Represented

➤ **27** Survey  
Responses

# BILD-TWVG Survey Results:

## Focus Areas

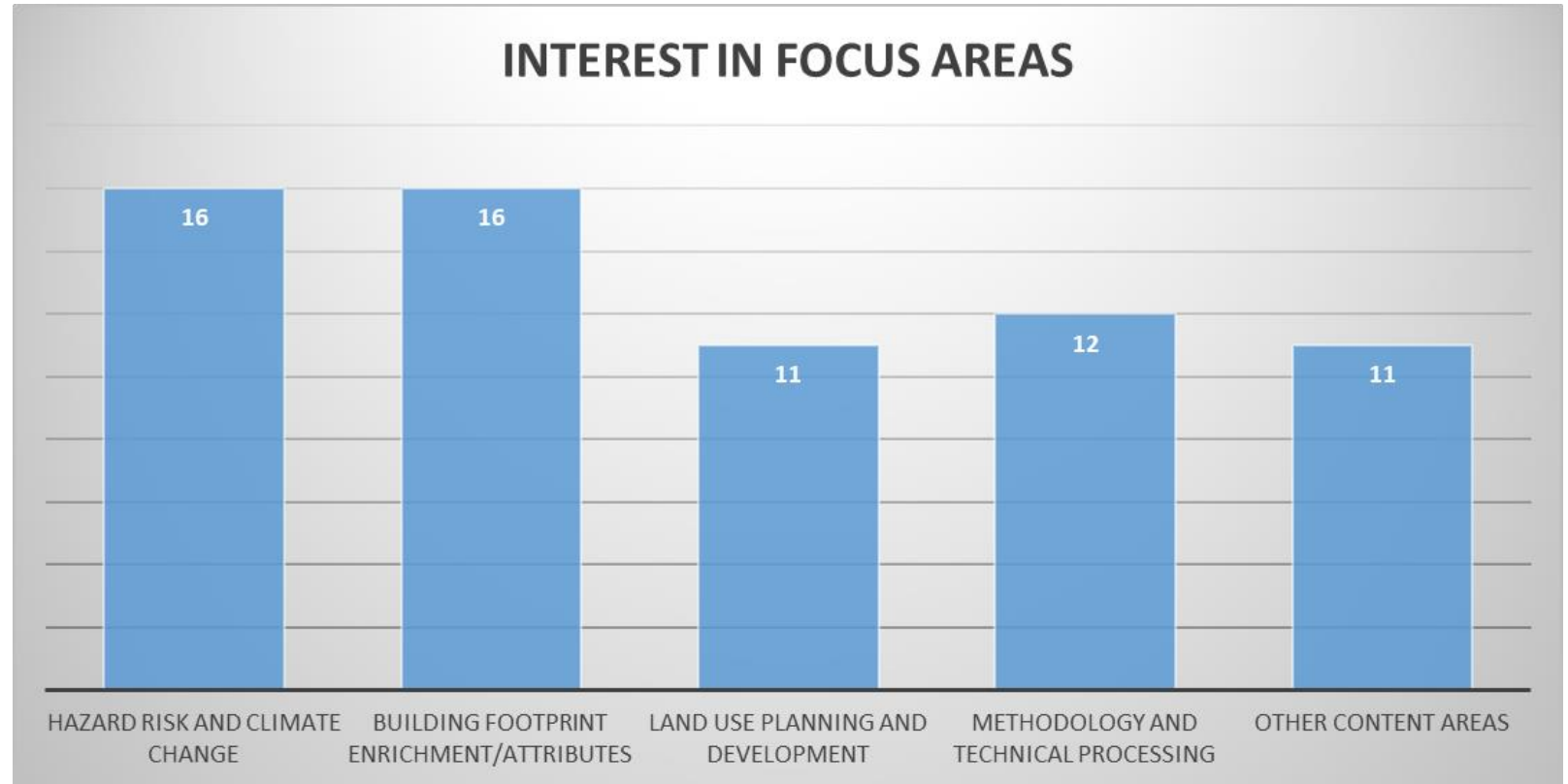
**Hazard Risk and Climate Change:** *flood risk, wind risk, coastal erosion, heat island effect*

**Building Footprint Enrichment/Attributes:** *data to collect and assign to a building: value, building type, age*

**Land Use Planning and Development:** *zoning, building codes, revitalization*

**Methodology and Technical Processing:** *BILD methodology, detailed technical review, parcel processing*

**Other Content Areas:** *state-owned buildings, historic properties, affordable housing, manufactured homes, acquisitions, etc.*



# TWG Survey Responses - Other Content Areas



STATE-OWNED BUILDINGS  
AND LAND



RESILIENCE PLANNING



MAPPING UNDERGROUND  
INFRASTRUCTURE  
(WATER/SEWER LINES,  
ELECTRIC)



DISADVANTAGED  
COMMUNITIES AND  
ENVIRONMENTAL JUSTICE  
AREAS

# TWG Survey Responses - Dataset Considerations



Vacant Land



Historic Properties: National Register Buildings  
Listings and Districts



State-owned land including State Parks, DEC Lands



Coastal Erosion Hazard Areas



Emerging Wetland Delineations and Maps



Parcel Assessment



SFS

# TWG Survey Responses - Potential Use Cases

Project Planning,  
Permitting

Vulnerability Analysis and  
Assessments

Climate change adaptation planning  
(state and local level); program and  
intervention targeting (e.g.,  
prioritization of adaptation efforts)  
(Leo B. - DEC)

Mapping unassessed areas  
(DEC)

Oversight and management  
support of building and land  
assets held by the People of  
the State of New York  
(POSNY)  
(Chris L. - OGS)

Collaboration with HCR's  
RHC on buyouts  
(DEC)

State-owned real property  
inventory and  
management program  
(Ralph Hill – OGS)

Linking into existing datasets - use  
the data as the authoritative source  
of building footprints; FEMA/HUD  
grants or projects, developing  
inventories for projects, planning,  
storm response and rebuilding  
(Christina C. - Parks)

# TWG Survey Responses - Potential Use Cases

Reimagine (program) to find areas to rehabilitate and we also do Canal Land assessments based on the parcel codes that the assessors populate  
(Stephanie R. - Canal Corp)

Enriching global data products for NASA SEDAC  
(Kytt M – CIESIN)

For the DFS's climate team: identifying buildings that are at highest risk from the different climate risks or perils and the financial implications from an insurability (e.g. availability and affordability) and banking services and investments in particular neighborhoods (Cherry M – DFS)

Market Characterization of buildings, uses and demographics to guide our program development to spur clean energy and building electrification statewide  
(Matt M – NYSERDA)

Support planning and compliance with Executive Order No. 22 on sustainability and decarbonization (NYSERDA)

# Current BILD Footprint Attributes



Address
Agricultural District Name
Building Assessed Value
Building Full Market Value
Building Style
Building Value
County
Heat Type
Municipality

Name Source
Number of Buildings
Number of Parcels
NYS Agency Owner Name (and source)
Object Geometry
Open Geospatial Consortium Feature ID
Owner ID
Parcel ID
Property Class

Property Class Code
School District Where Parcel is Located
Sewer Type
Total Assessed Value
Use Type
Utilities
Water Type
Year Built
Year of Parcel



# Opportunity for Real Time Feedback

Other Focus Areas?

Datasets?

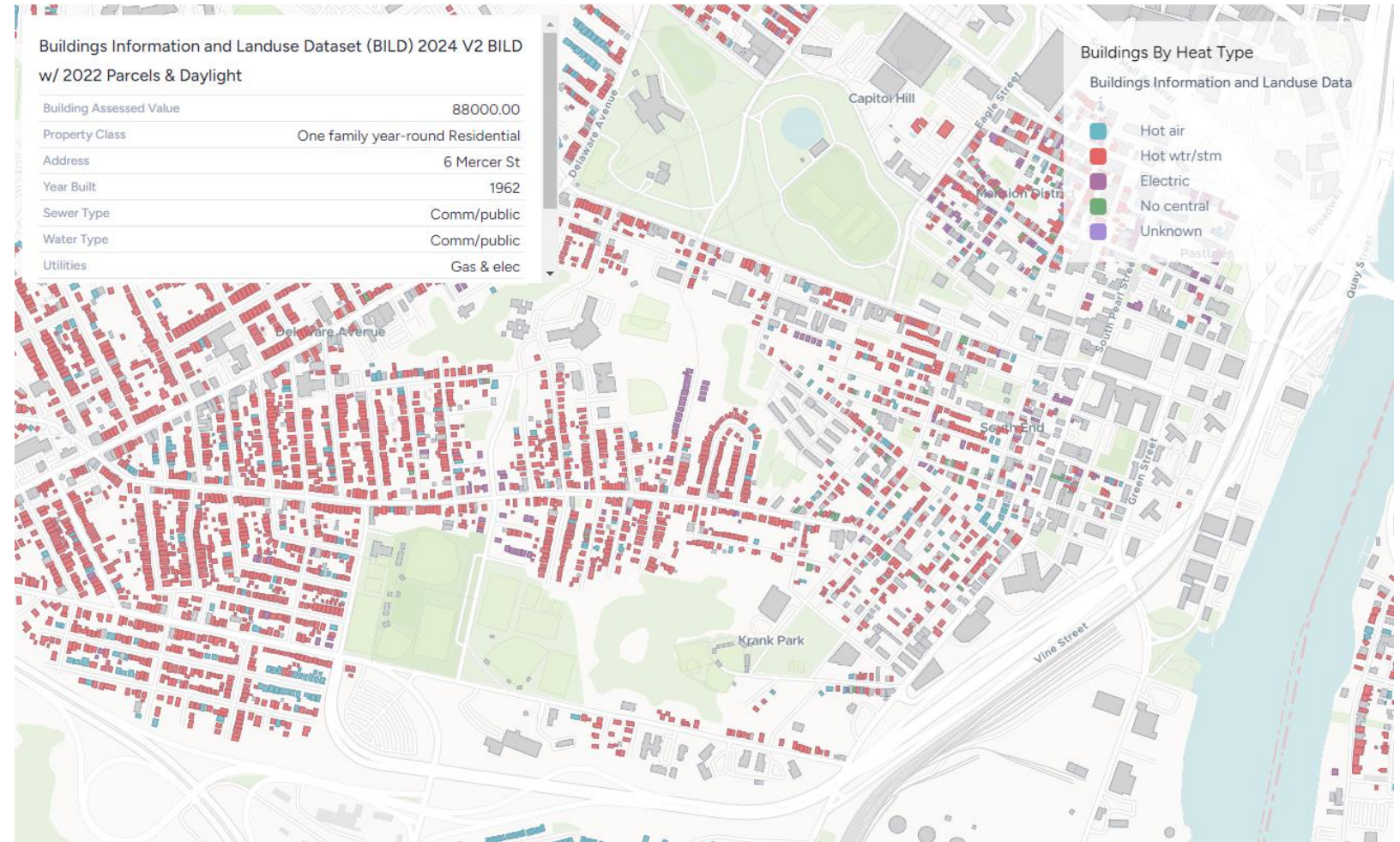
Use Cases?

Footprint Attributes?

# Dataset Considerations - Tax Parcels + Daylight Attributes

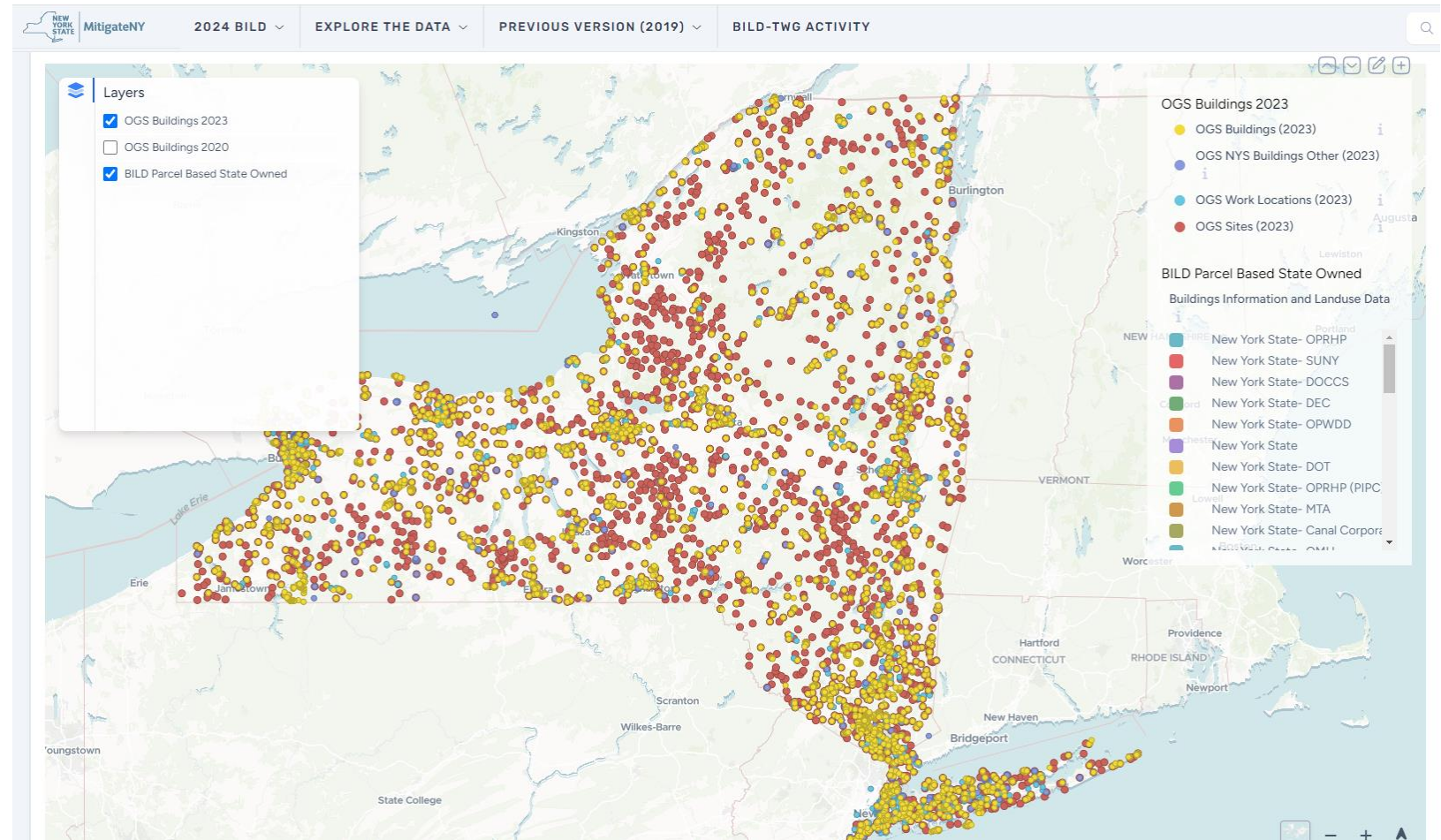
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- NY Tax Parcels Attributes
  - Landuse by Property Class, Ownership Types
  - Assessed and Market Value
  - Attributes about property: Utilities, Heat Type, Water Type, Sewer Type
  - Vacant Land
    - Problems with State as Ownership Type.



# Dataset Considerations - Statewide Financial System (SFS)

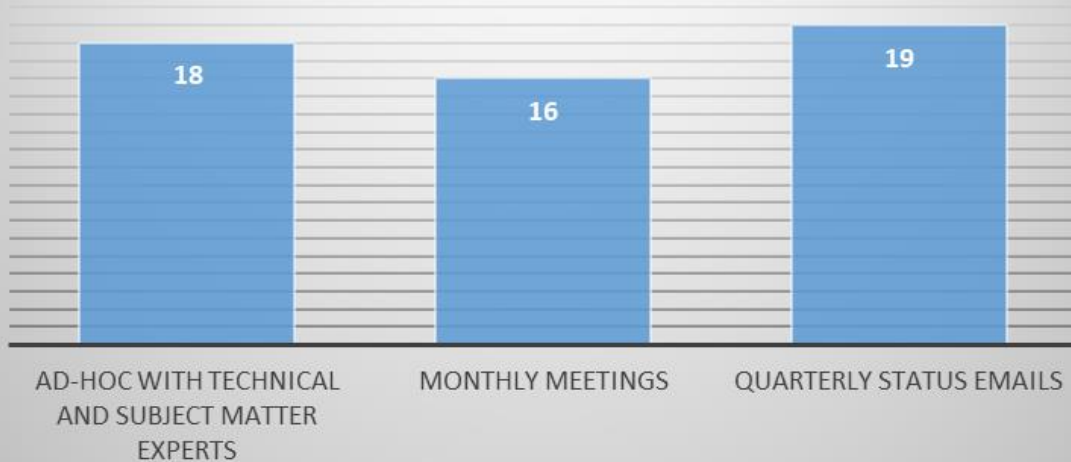
- In the 2019 dataset we used State-owned buildings from OGS
  - OGS Buildings
  - Buildings Other
  - OGS Sites
  - Work Locations
- Questions
  - What are other potential use-cases for SFS data in regards to building footprints?
  - How is access to SFS data granted?
  - Are there privacy considerations we should know about?





# Next Steps

## Communication and Participation Preferences



**JUNE 25, 2024**

At this meeting, we will briefly share the status of the Buildings Information and Landuse Dataset (BILD) and its website, introduce working group participants and interests, and begin an engaged discussion about how attributes support mission-critical work.

Agenda:

1. Survey Responses and Understanding Interagency Priorities
  - A. Use-cases
2. NY Tax Parcels Attributes
3. Statewide Financial System (SFS)

**BILD INTRODUCTORY MEETING - MAY 28, 2024**

**Summary**

*The main priority of this convening is to share the status and details of the data and its processing, minimize duplication of resources, and determine next steps for the utilization, stewardship and maintenance of this data. We want to ensure all state agencies and partners can leverage this data and visualization platform. We also hope to build a consortium of users to add value back (e.g., by determining the need for additional attributes that might contribute to risk assessment, resource/program prioritization, community-based valuation, policy development, etc.).*

**Meeting Slides**

**PDF: [240528 BILD Intro Presentation Slides](#)**



# Contact Info & Data Access



**MitigateNY**

**Corrina Cavallo**

Deputy Chief of Mitigation Programs  
[corrina.cavallo@dhses.ny.gov](mailto:corrina.cavallo@dhses.ny.gov)

**Shannon Clarke**

Lead Hazard Mitigation Planner  
[shannon.clarke@dhses.ny.gov](mailto:shannon.clarke@dhses.ny.gov)

**Shelby Meyers**

Hazard Mitigation Planner  
[shelby.meyers@dhses.ny.gov](mailto:shelby.meyers@dhses.ny.gov)

**Tiffany Campo**

Hazard Mitigation Planner  
[tiffany.campo@dhses.ny.gov](mailto:tiffany.campo@dhses.ny.gov)

**Julia McWest**

Project Management Lead  
[julia.mcwest@dhses.ny.gov](mailto:julia.mcwest@dhses.ny.gov)

**Samantha Peterson-Borins**

Hazard Mitigation Planner  
[samantha.peterson-borins@dhses.ny.gov](mailto:samantha.peterson-borins@dhses.ny.gov)

**Sam Horowitz**

Climate Policy Specialist  
[sam.horowitz@dhses.ny.gov](mailto:sam.horowitz@dhses.ny.gov)

## ACCESS MNY

SHMP: [mitigateny.org](https://mitigateny.org)

BILD: [buildings.mitigateny.org](https://buildings.mitigateny.org)

Email: your email address  
Password: BILD!



**Alex Muro**

Lead Developer  
[amuro@albany.edu](mailto:amuro@albany.edu)

**Eric Krans**

Program Manager  
[ekrans@albany.edu](mailto:ekrans@albany.edu)



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