Buildings Information & Land use Dataset (BILD)
Technical Working Group

April 8, 2025
10:00-11:00

Attendees: Julia McWest, Richard Russell, Amar Kakirde, Ana Moura-Cook, Stephanie Notar, Peter Lauridsen, Lori DuBord, Nathaniel opare darko Asare, Christine Zampa, Adam Tobey, Dr. Catherine Lawson, Michael Saliani, Abigail Cooper, Alexander Hajek, Eric Krans, Alex Pennington, Beth O'Reilly, Sanjaya kumar, John Lee, Nilus Klingel, Erika Jozwiak, Matthew Minner, Elizabeth Mogus Garcia, Kyle Monsees, Heather Ipsen, Christina Croll, Alex Muro, Juan Junca, Cherry Mui, Peter Hoffman, Brandon Ostiguy, Catherine Adler, Sean O'Connell, Nicholas Zimmermann, Jeffrey Langella, Chris Leo, Rebecca Newell, Gwen LaSelva, Jennifer Singh, Kenneth Kemp, Ted Fisch, Christa Hay, Andrew Blancero, Paul Hoole, Dean Chuang

Objective: Review and accept the final version of BILD 1.0.

Availability

- Sign in on https://buildings.mitigateny.org and follow the **download** link.
  - CSV, ESRI Shapefile, or Geopackage
- BILD is a large dataset that cannot be pre-filtered before downloading. Sufficient hardware may be needed to open the file.

Dataset Inclusion, Attributes, and Format

- Data coverage is not 100%, often by design (e.g., critical infrastructure, risk values, etc.)
  - In some cases, it is difficult to know from the data source whether a value is intentionally null or missing.
- Tour of https://buildings.mitigateny.org
- BILD's methodology has not changed, but additional datasets have been incorporated since development began.

Final Report

- https://buildings.mitigateny.org/edit/about_bild/bild_1_0
- AVAIL's custom floodplains map was updated this year and used to assess building floodplain risk.
  - Only two counties are missing coverage – this is likely the most comprehensive floodplain map in the state.
  - The Floodplain map indicates the source data; the flood exposure attributes in BILD, however, do not.
  - AVAIL mapped FEMA's special flood hazard area codes (i.e., A, AE, V, E) to designate floodplains as 100-year or 500-year.
    - The data format is the same as a DFIRM.
- BILD contains structures, typically with at least three (3) walls and a roof. Infrastructure such as transmission lines are typically not included.

- o "Communication towers" are likely buildings with communication towers on them. AVAIL used point-based mapping to enrich building footprints with HIFLD critical infrastructure data.
- State ownership information is taken from county parcel data – these claims have not been verified by any state agencies and therefore should not be taken as authoritative.
- AVAIL cross-walked NYC Pluto codes to Property Class codes, allowing NYC buildings to be included in a way that they previously weren't.

Future of BILD

- Updates and Maintenance
  - o Annual updates are optimal to maintain data freshness and the continuity of a longitudinal data product. DHSES plans to update the BILD dataset once more in 2025. A maintenance plan for BILD beyond the *MitigateNY* project (2026) is currently under consideration. If your agency is interested in the future of BILD, please reach out to elizabeth.oreilly@dhses.ny.gov.
- Technical guidance
  - o As part of *MitigateNY 2.0*, AVAIL will develop scenario mapping tools which visualize BILD in relationship with other risk and vulnerability datasets at the county level. These tools are designed to support hazard mitigation planning. DHSES expects to launch this tool in Q3 2025; however, technical assistance for most users will likely be limited at this time. Technical guidance will be developed in 2026.