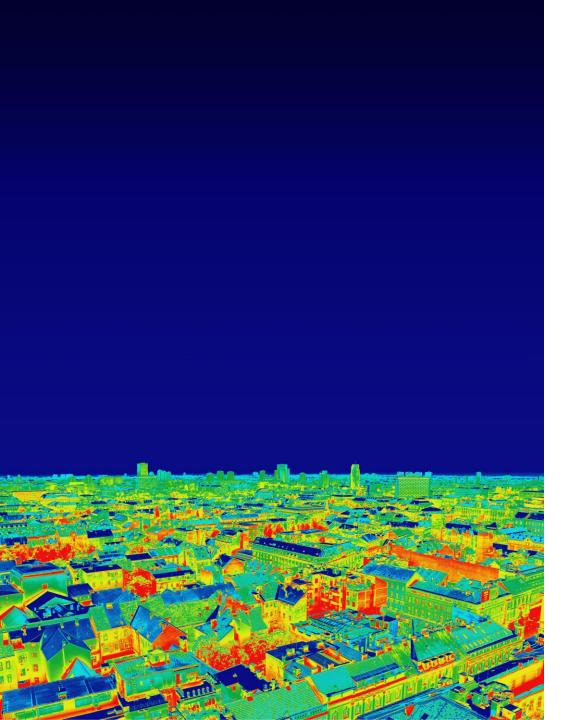


3rd EDITION 2023-2026

... Better data for better buildings

# THE NEW CENTRAL REPOSITORY FOR BUILDING STOCK DATA IN THE EU: THE EUROPEAN BUILDING STOCK OBSERVATORY (BSO)

Dr. Andreas H. Hermelink | Coordinator BSO 18.10.2024



### CONTENT

- 1. What is the BSO and why is it more relevant than ever?
- 2. The new BSO: Features and demo
- 3. Keep it going!



WHAT IS THE BSO?

### **BSO** FACTS



Web platform



Open to all stakeholders (Member States, industry, NGO, research ...)



Facilitate better energy performance and climate neutrality of EU's building stock



Support whole policy cycle



The central data hub on the European building stock



# NEW EED AND EPBD DOUBLE BOOST THE BSO'S RELEVANCE

# EED BOOSTER: BSO AS AGGREGATOR FOR DATA ON PUBLIC BUILDINGS

(ART. 6 EED)

'Publicly available and accessible data about building stock characteristics, buildings renovation and energy performance may be aggregated by the **EU Building Stock Observatory** to ensure a better understanding of the energy performance of the building sector through comparable data.'

By 11 October 2025, Member States shall ... establish and make publicly available and accessible an inventory of heated and/or cooled buildings that are owned or occupied by public bodies .... update ... at least every two years. The inventory shall be linked to the building stock overview ...

### EPBD BOOSTER: NATIONAL DATABASE

(ART. 22 EPBD)

'Each Member State shall set up a national database for energy performance of buildings' ...

At least once per year, Member States shall ensure the transfer of the information from the national database to the **Building Stock Observatory.'** 



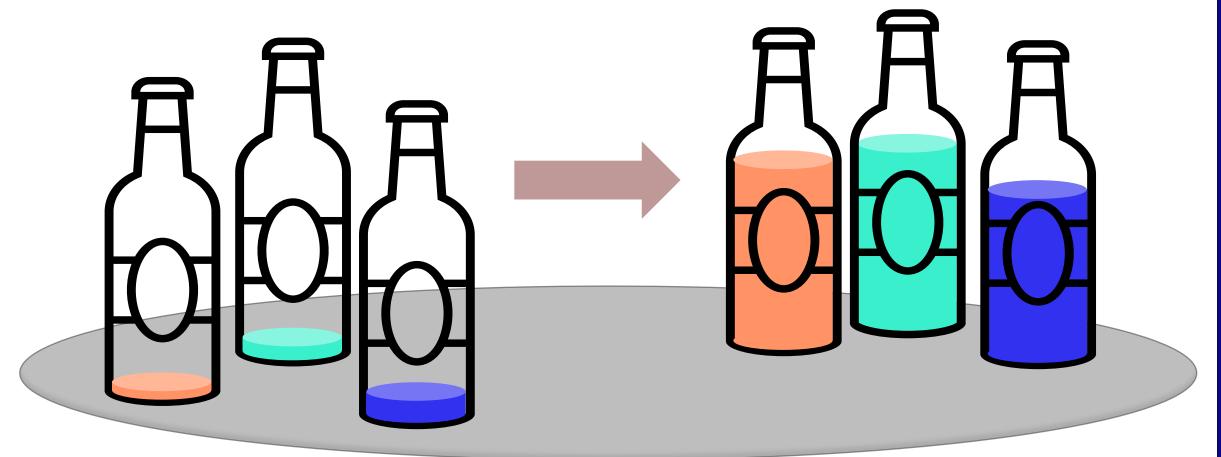
## NEW BSO PHILOSOPHY

## MADE BY THE USERS FOR THE USERS



BSO team facilitates these interactions and improvements

## NO MORE EMPTY BOTTLES





New Team

### CROSS-CUTTING COMPETENCIES



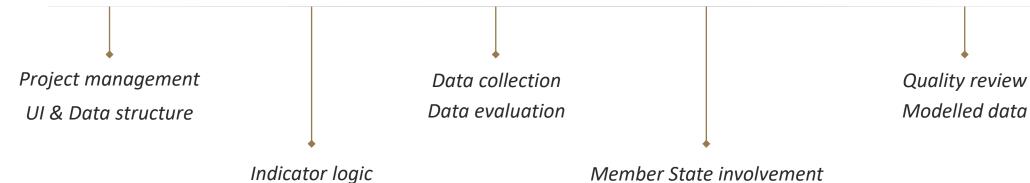










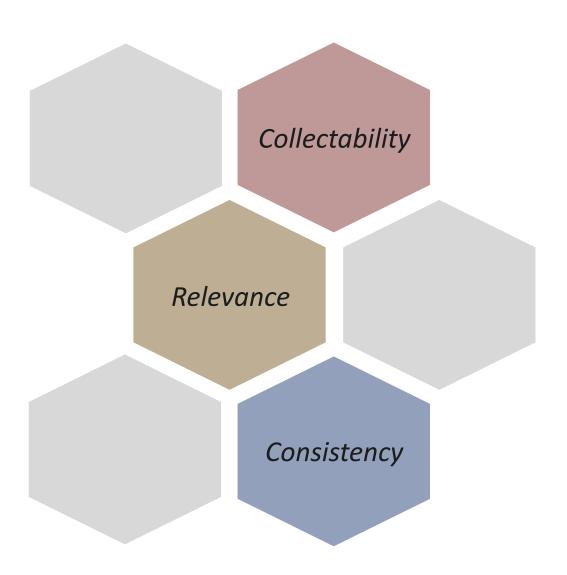


Stakeholder engagement

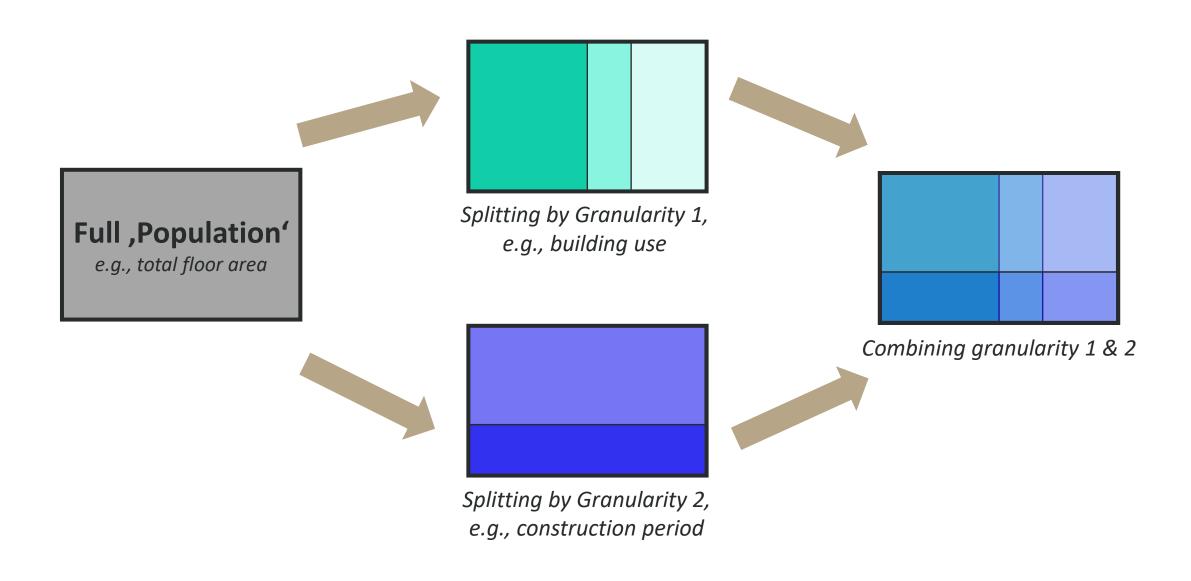


## New Logic

## PRINCIPLES FOR INDICATOR SELECTION



### MULTI-STAGE DATA GRANULARITY





## New Data and Their Link to EED

### DRASTICALLY INCREASED DATASET:

FROM 6,750 TO 65,000 DATA POINTS, MULTIPLE LINKS TO EED

# Current Indicators Number of buildings Useful floor area rates Total renovation rates Floor area renovated Number of buildings Final energy consumption in buildings



Link to: Art. 3 EED (EE1st), Art. 4 & 5 EED; Art. 6 EED; Art. 8 EED;



## New Relations

# (BSO)

## COLLABORATION WITH RELIABLE DATA SOURCES







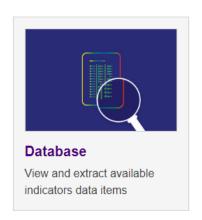


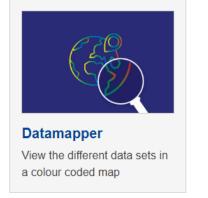
# NEW LOOK & FEEL... MEETING DIFFERENT USER NEEDS

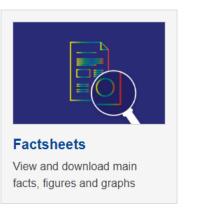
# A MORE INTUITIVE AND USER-FRIENDLY INTERFACE

### We listened to user-feedback

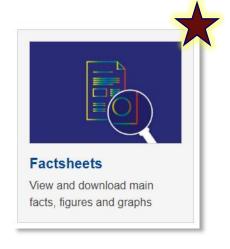
- Merge of Database and Datamapper
   => single entry point
- Flexibility to adjust graphs
- Selection of different chart types
- Redesigned country Factsheets













# USE CASE 1: QUICK FACTS



USE CASE 2:

LET'S PLAY WITH THE BSO



## USE CASE 3:

### KEEP IT GOING!



Subscribe to the BSO newsletter



Let us know if you'd like to participate in one of our upcoming workshops

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## VISION: THIS IS MEANT TO BE YOUR BSO!





# ODYSSEY VS BUILDING STOCK OBSERVATORY: TWO COMPLEMENTARY TOOLS

**Website**: Access through Commission website; EPBD monitoring instrument (Art. 3 & 22).

1. Data type:

- Physical structure of building stock (floor area, number of buildings, U-values): Latest available year (2020)
- High granularity: previous data split by occupancy status, age group of buildings
- Eurostat data: Energy consumption, energy poverty, degree days: time series
- Composite data: Climate corrected space heat consumption, BSO bulletin
- Different levels of detail: factsheet, database, raw data file for download

### 2. Sources:

Commission projects or reports and Eurostat.

Supported by the commission since 1992

**Website**: User friendly access through the project

### 1. Data type:

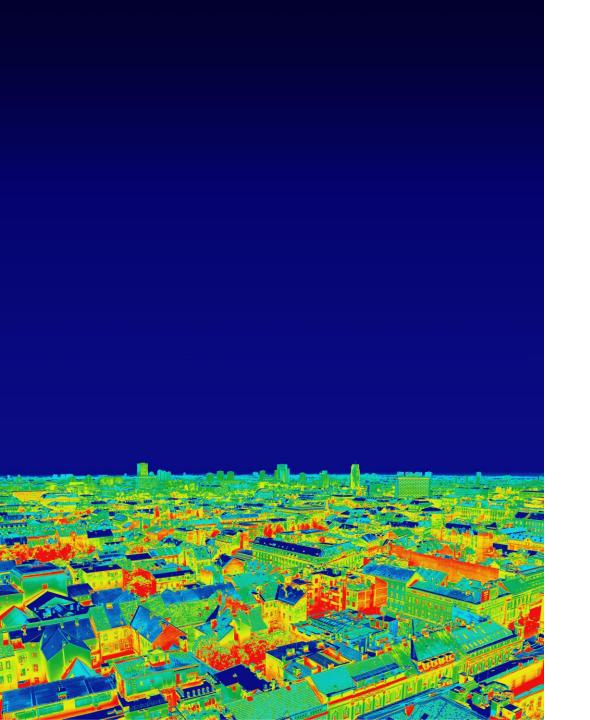
- Combine different data: energy data and activity data and indicators.
- Tracks information on an annual basis and is limited to an aggregation level where statistics exist.
- The update is centralized and in the hands of a few institutions.
- Multi-sectoral: the building is only part of the monitoring.
- Includes more analysis tools.

#### 2. Sources:

Eurostat, other international sources, detailed national data



QUESTIONS / ANSWERS



### THANK YOU

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Visit the EU Building Stock Observatory website

https://energy.ec.europa.eu/topics/energy-efficiency/energy-efficient-buildings/eu-building-stock-observatory\_en



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