

EU Building Stock Observatory

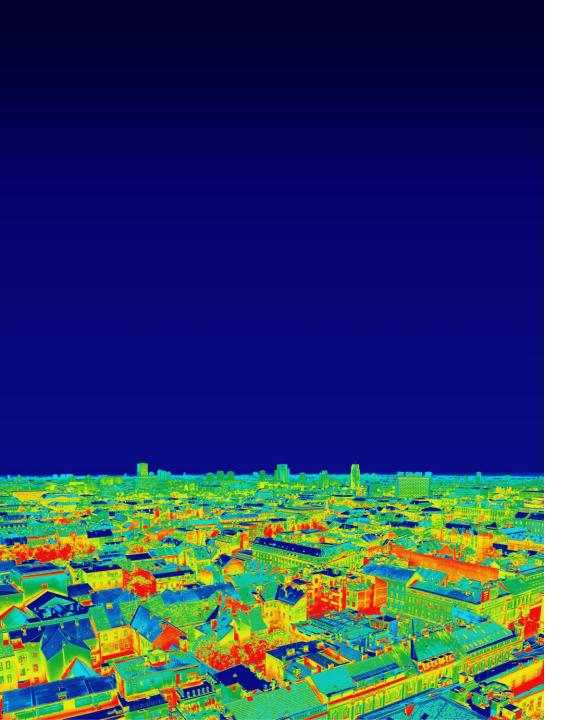


3rd EDITION 2023-2026

... Better data for better buildings

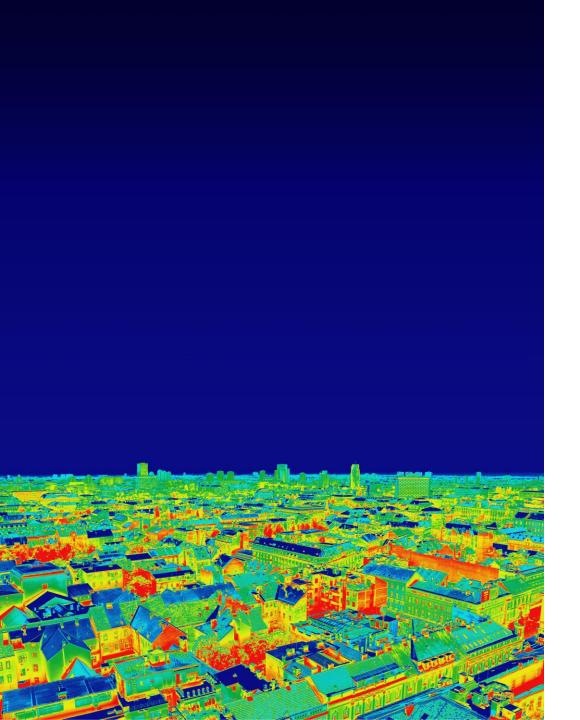
INTRODUCING THE NEW BSO

Sylvain Robert | Andreas Hermelink | Roberto Lollini 30.11.2023



KEY QUESTIONS

- 1. What is the BSO and why is it more relevant than ever?
- 2. What is new to future-proof the BSO?
- 3. What is coming up?



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EU Building Stock Observatory

Quick overview

CINEA – Unit LIFE Climate & Energy Sylvain Robert, Project adviser



Zero-Emission Buildings Academy #7

European Climate, Infrastructure and Environment Executive Agency

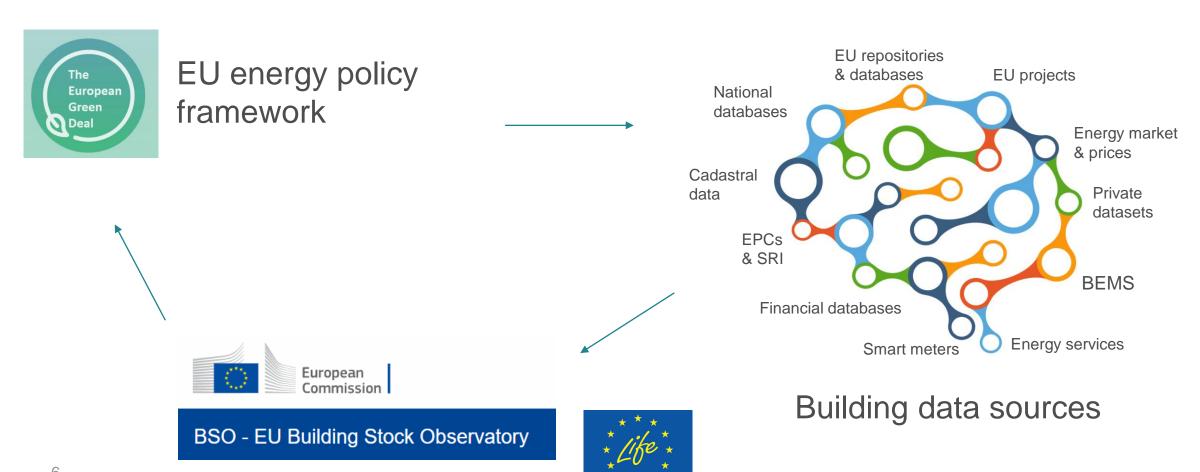
Online, 30 November 2023

BSO - context





The BSO: a central repository for EU buildings data of policy interest







Buildings data – a rich project landscape

Fostering the implementation of EU policies

Collecting data and enhancing data availability

 Innovation for a supportive EU buildings data infrastructure



















LIFE Clean Energy Transition



- Key programme for EU clean energy policy implementation and fill the gaps between energy efficiency and renewables policy development and implementation
- Predecessor programmes:
 Intelligent Energy Europe and
 Horizon 2020 Energy Efficiency
- 2021-2027 budget of almost €1 bn, about 100m EUR/annually for grants through LIFE CET Call for Proposals





BSO - overview





BSO: main areas of interest

Building stock

- Type of buildings by destination
- Equipment (esp. H&C)
- Geospatial information

Activity

- Renovation
- New construction
- Demolition

Energy and GHG emission

- Energy
 performance and
 use, also by type
 of use and fuels
- Related GHG emissions
- Energy and emission savings

Socio-economics

- Investment
- Cost savings
- Energy poverty
- Jobs & GVA





BSO: version 1 of the tool (1)

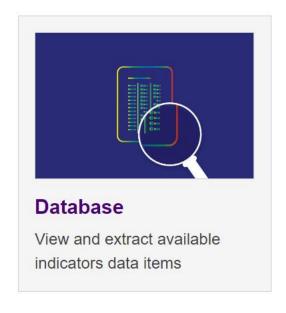
					Indicator		
Domain	Building Stoc	k					
Category	Non-resider	ntial					
Sub-category	Education						
Sub-category	Health						
Sub-category	Hotels and	restaurants					
Sub-category	Office						
Sub-category	Other				number of bu	uildings	
Sub-category	Total commercial & public services sector				floor area		
Sub-category	Wholesale and retail trade						
Category	Residential						
Sub-category	Apartment	blocks					
Sub-category	Single Fam	ily House					
Category	Whole build	ling stock					
Sub-category	N/A		_				
Domain	Energy Consu	ımption					
Category	Residential						
Sub-category	Residentia	l final energy	consumption (Mtoe		final energy consumption		
Category	Services						
Sub-category	Services final energy consumption (Mtoe)						
Domain	Renovation R	ates	_				
Category	Non-residential						
Sub-category	N/A						
Sub-category	Non-residential			total renovation rate			
Category	Residential				floor area renovated		
Sub-category	N/A				number of buildings renovated		
Sub-category	Residentia	l					
Category	Whole building stock						
Sub-category	N/A						

- First set of indicator
- 3 domains: building stock, energy consumption, renovation rates
- Limited time-related coverage (but will improve)

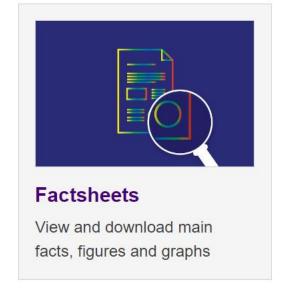




EU BSO: version 1 of the tool (2)





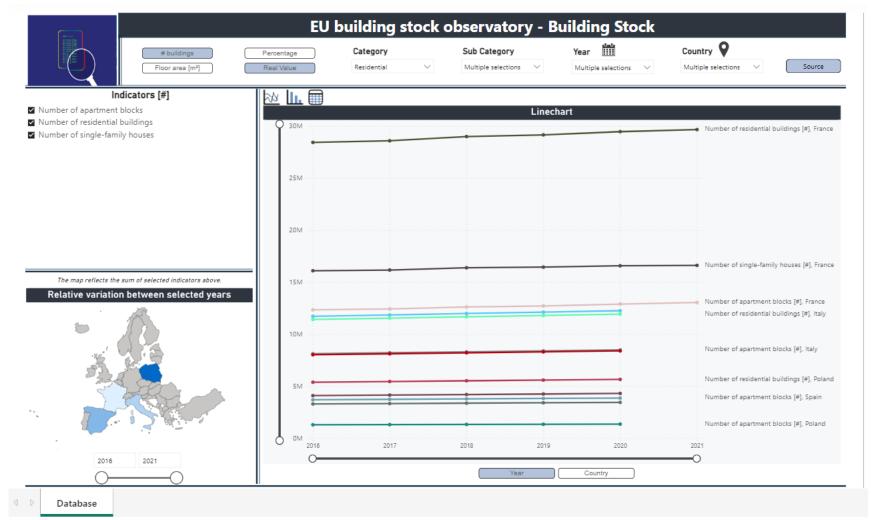


- The **database** allow to select, and visualise, the evolution over time of available indicators for Member States and whole EU.
- The datamapper allows to display information on an EU map.
- Factsheets provide a synthesis of most relevant data for the different MS.





BSO: version 1 of the tool (3)







BSO: perspectives

- Version 2 (early 2024)
 - New user interface
 - Additional indicators (e.g. GHG emissions)
- Additional sources of data e.g. Eurostat, EEA.
- Regular updates of indicators / dataset
- Follow BSO development: <u>BSO newsletter</u>







30 years of bringing green ideas to LIFE

Thank you for your attention!





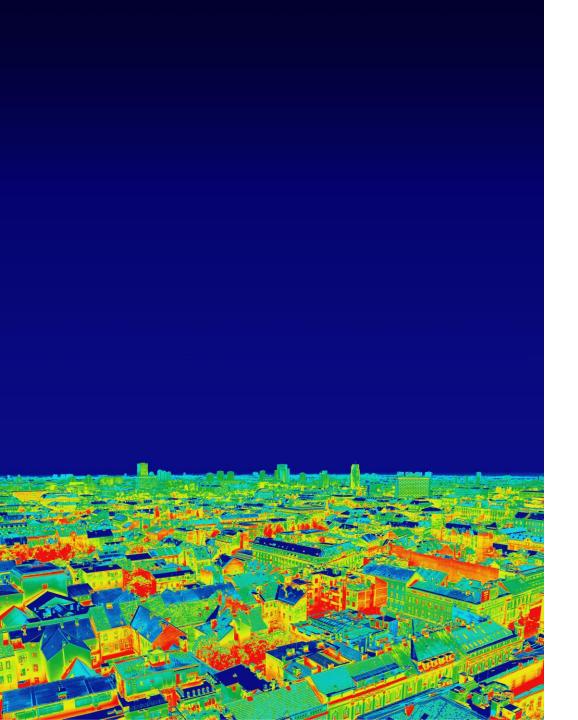












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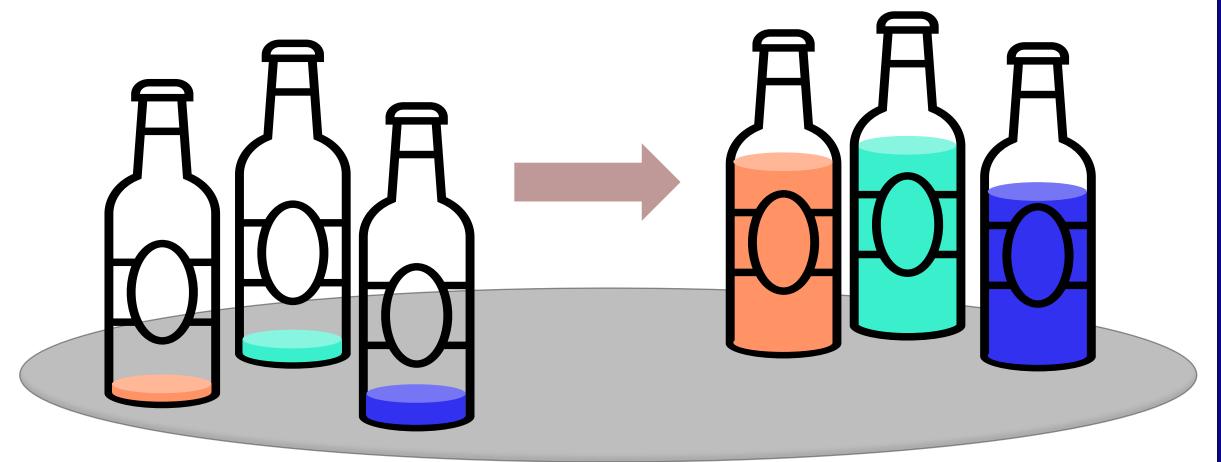


MADE BY THE USERS FOR THE USERS



BSO team facilitates these interactions and improvements

NO MORE EMPTY BOTTLES





NEW TEAM

CROSS-CUTTING COMPETENCIES













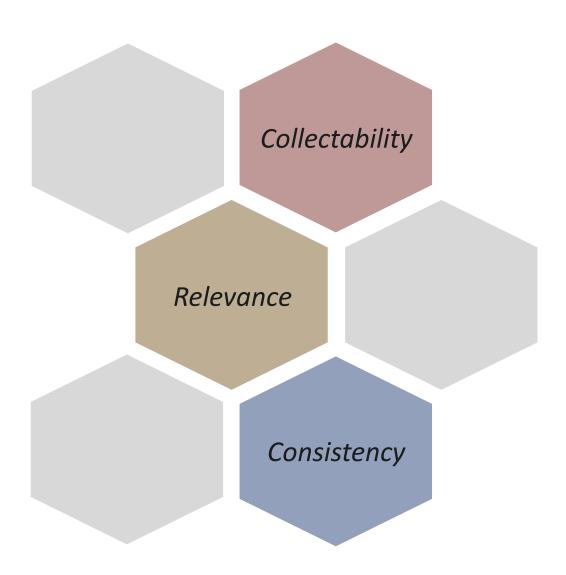


Stakeholder engagement



New Logic

PRINCIPLES FOR INDICATOR SELECTION

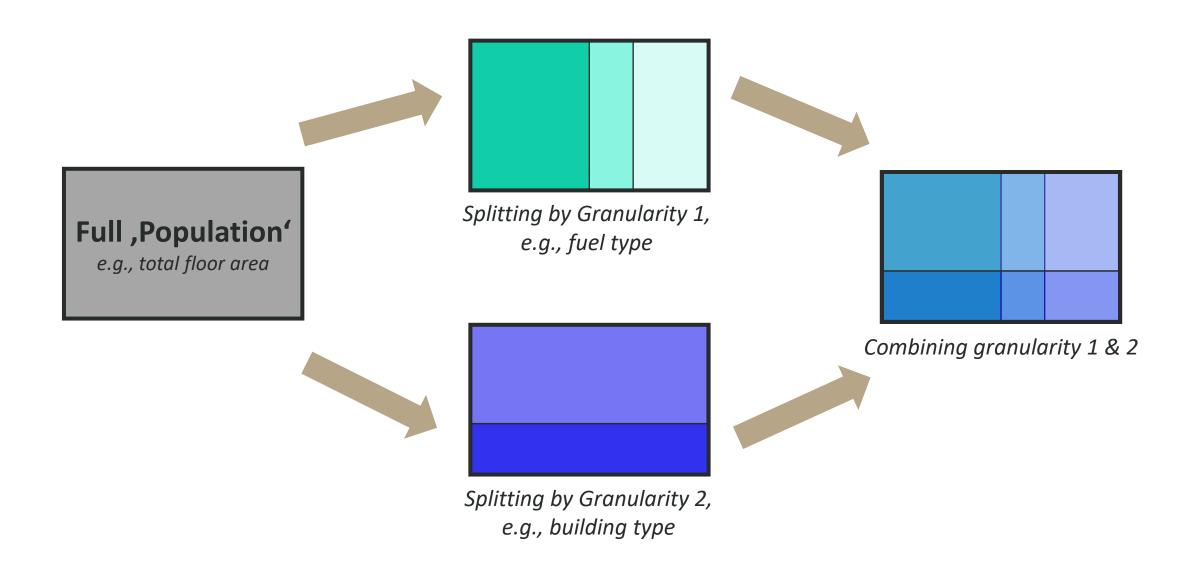


COLLECTION PRIORITY



Indicators may move up!

MULTI-STAGE DATA GRANULARITY



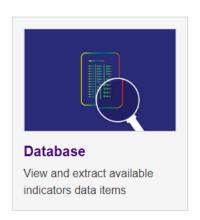


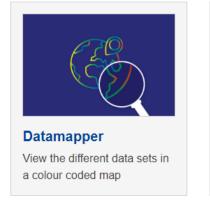
New Look & Feel

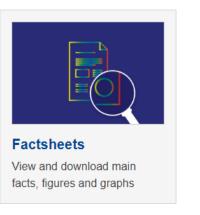
A MORE INTUITIVE AND USER-FRIENDLY INTERFACE

We listened to user-feedback

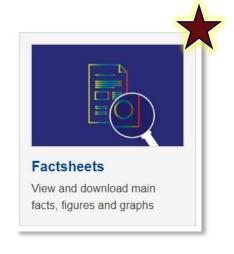
- Merge of Database and Datamapper
 => single entry point
- Flexibility to adjust graphs
- Selection of different chart types
- Redesigned Country factsheets









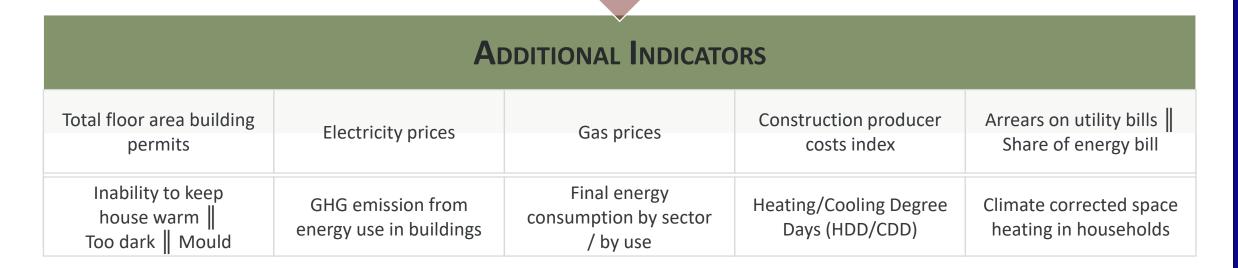




New Data

SNEAK PREVIEW: TENTATIVE UPDATED DATASET

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





New Relations

(BSO) OBSERVATORY STOCK BUILDING

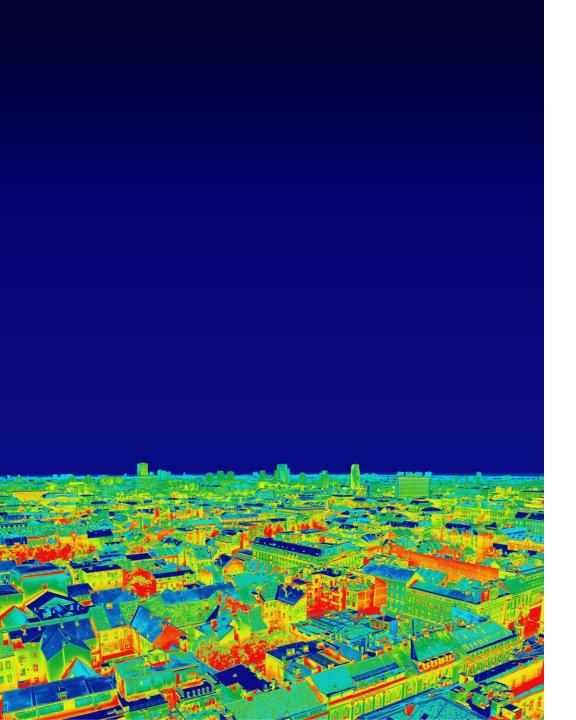
COLLABORATION WITH RELIABLE DATA SOURCES







Your organisation?



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THIS IS MEANT TO BE YOUR BSO!

Become a trusted data provider!





Get involved as a trusted and valued BSO data provider

Contact us for closed door discussions on the future development of the BSO and your potential contribution.



LAUNCH OF NEW VERSION!

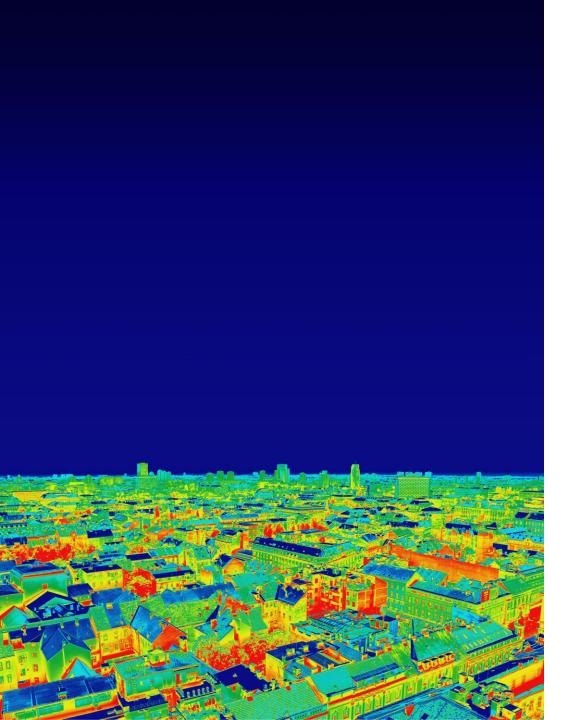
Launch window: Q1/2024

Stay tuned!



EU Building Stock Observatory





THANK YOU

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Guidehouse

Dr Roberto Lollini

EURAC



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