



# EU Building Stock Observatory



3<sup>rd</sup> EDITION 2023-2026

*... Better data for better buildings*

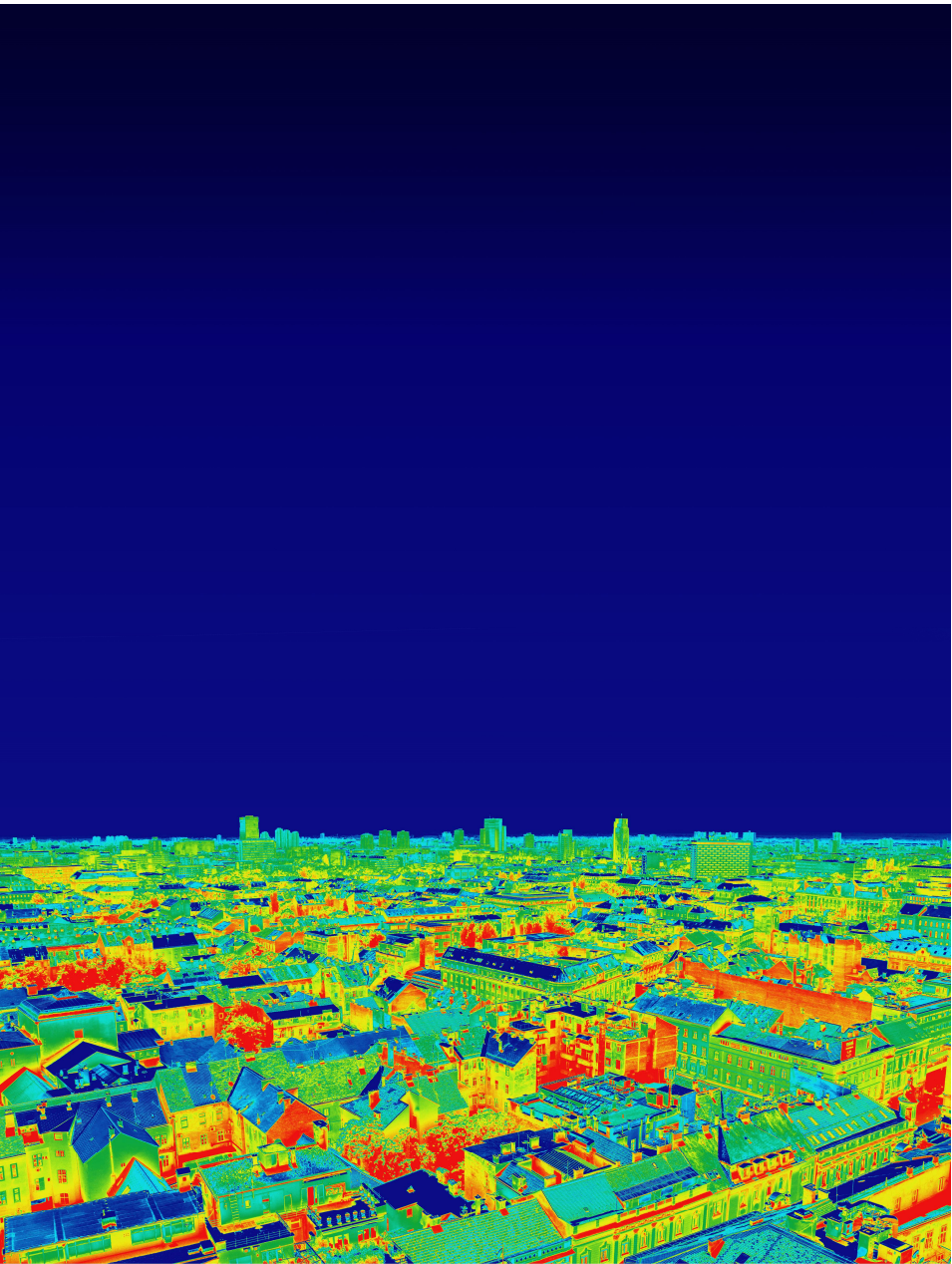
## UNVEILING THE NEW EU BUILDING STOCK OBSERVATORY – A PRACTICAL GUIDE

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30.04.2024

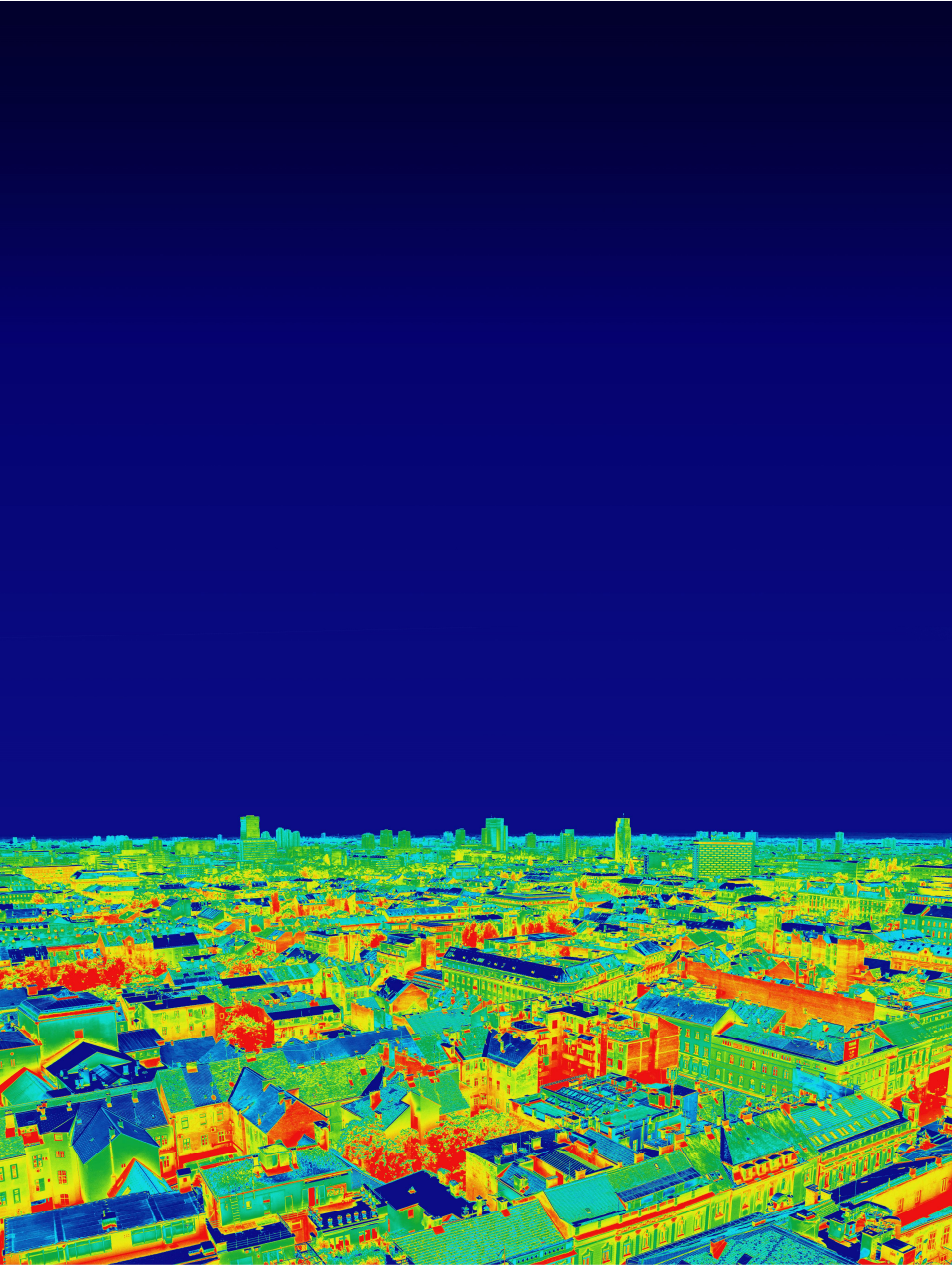


# INTRODUCTION BY SYLVAIN ROBERT, EUROPEAN COMMISSION



# AGENDA

1. **What is the BSO and why is it more relevant than ever?**
2. **The new BSO: Features and demo**
3. **Stay connected!**



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# 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 EPBD BOOSTS BSO

# BOOSTER 1: NATIONAL DATABASE

(ART. 19 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 in the national database to the **Building Stock Observatory.***

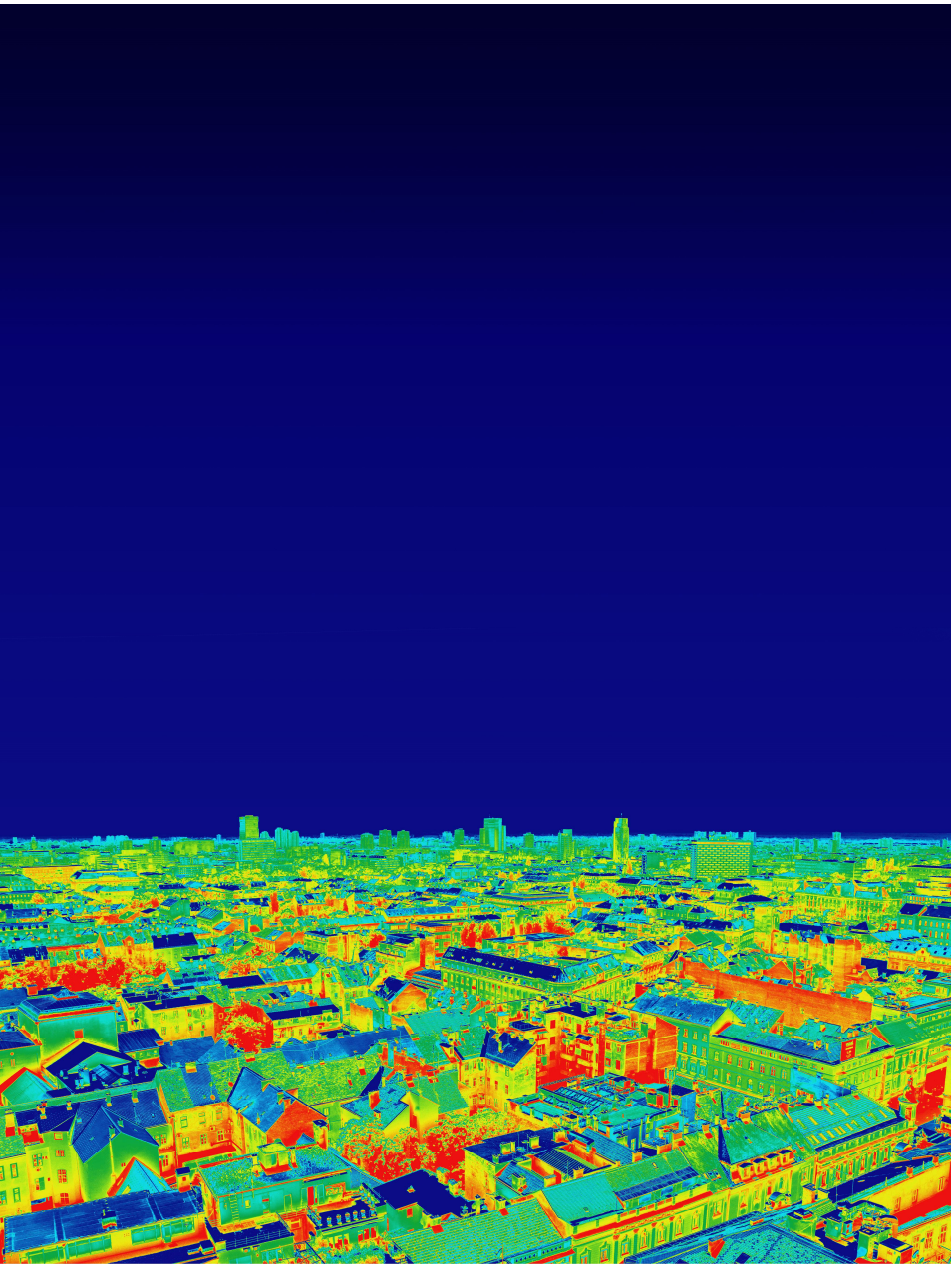


## BOOSTER 2:

# NATIONAL BUILDING RENOVATION PLANS

(ART. 3(8) EPBD)

*‘The Commission shall monitor annually the evolution of the energy performance of the EU building stock, ... and publish the information through the **EU Building Stock Observatory.**’*



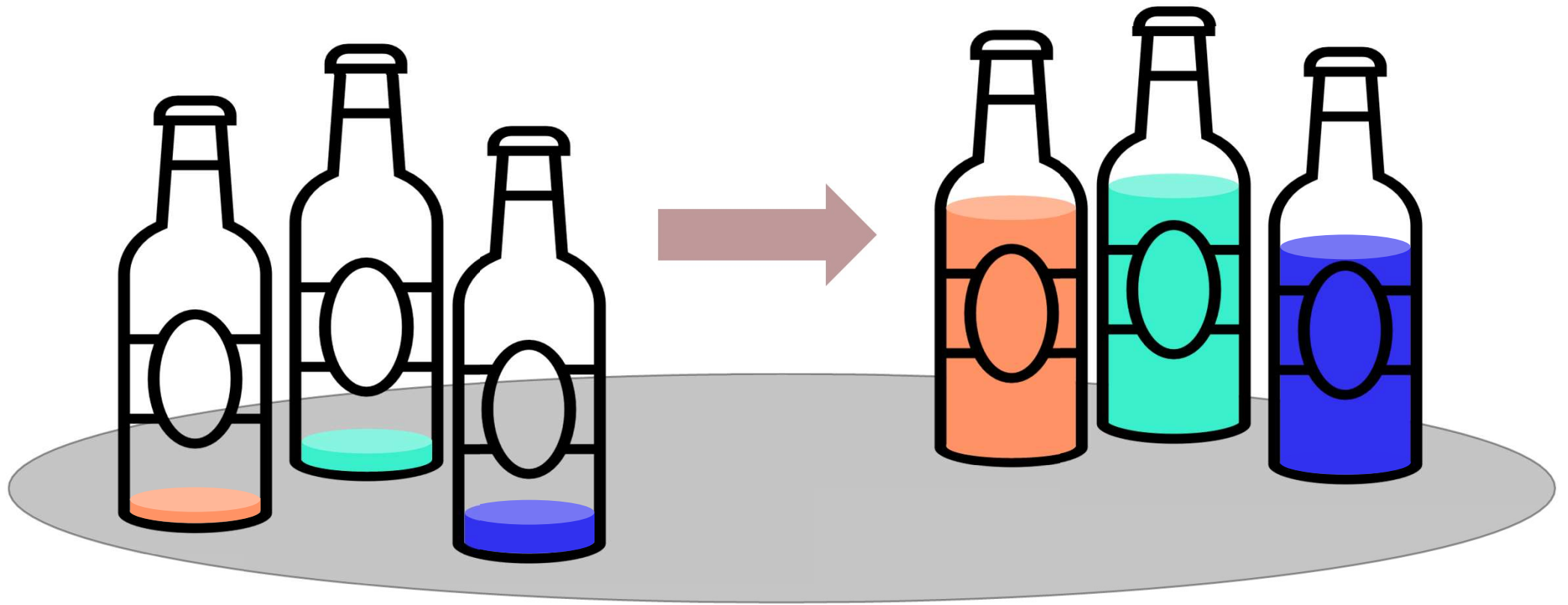
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# NEW PHILOSOPHY

# NO MORE EMPTY BOTTLES





# NEW TEAM

# CROSS-CUTTING COMPETENCIES



*Project management*  
*UI & Data structure*



*Indicator logic*  
*Stakeholder engagement*



*Data collection*  
*Data evaluation*



Danish Energy  
Agency

*Member State involvement*



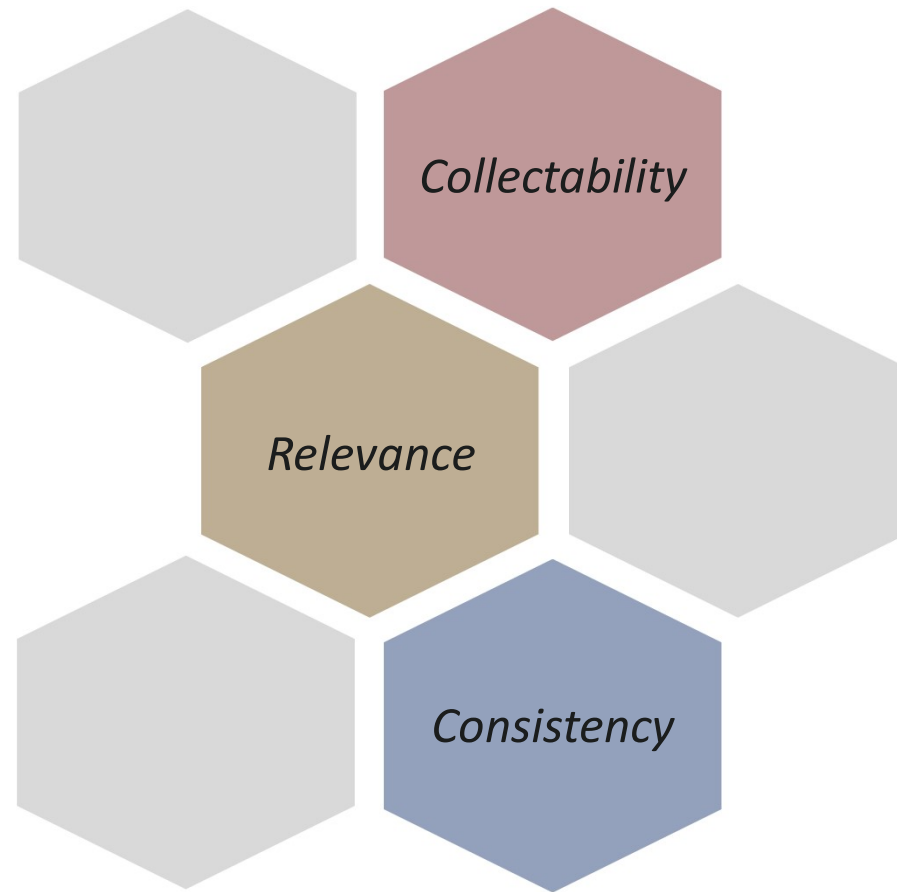
*Quality review*  
*Modelled data*





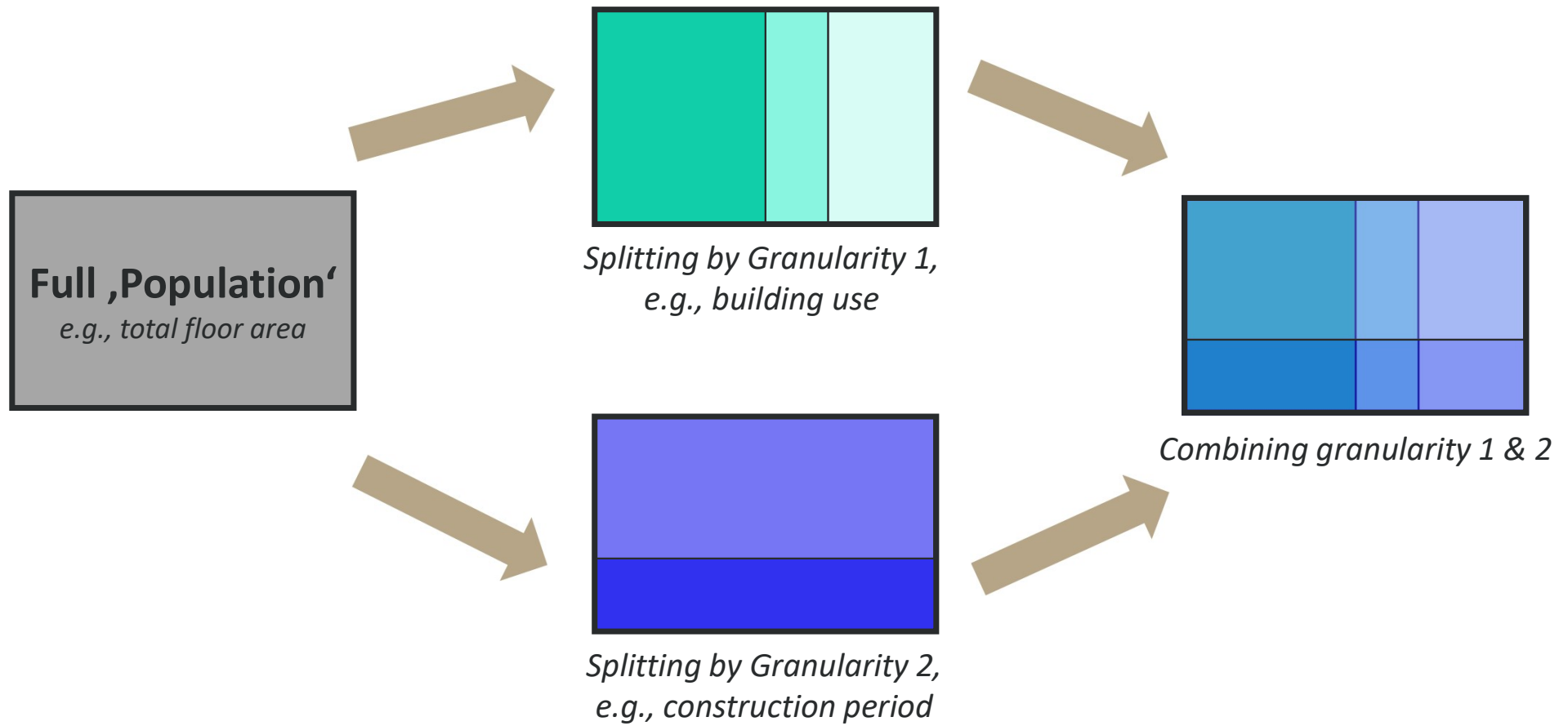
# NEW LOGIC

# PRINCIPLES FOR INDICATOR SELECTION





# MULTI-STAGE DATA GRANULARITY



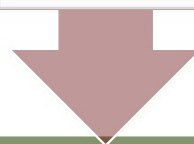


## NEW DATA

# DRASTICALLY INCREASED DATASET: FROM 6,750 TO 65,000 DATA POINTS

## CURRENT INDICATORS

Number of buildings	Useful floor area	Total renovation rates	Floor area renovated	Number of buildings renovated	Final energy consumption in buildings
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## ADDITIONAL INDICATORS & LEVEL OF DETAIL

Number of dwellings	Total floor area building permits	Electricity & Gas prices	Price index new construction	Arrears on utility bills    Share of energy bill
Inability to keep house warm    Too dark    Mould	GHG emission from energy use in buildings	Final energy consumption by sector / by use	Heating/Cooling Degree Days (HDD/CDD)	Climate corrected space heating in households



## NEW RELATIONS

# COLLABORATION WITH RELIABLE DATA SOURCES

eurostat 

JRC



European  
Environment  
Agency



## NEW LOOK & FEEL



# USE CASE 1:

## QUICK FACTS



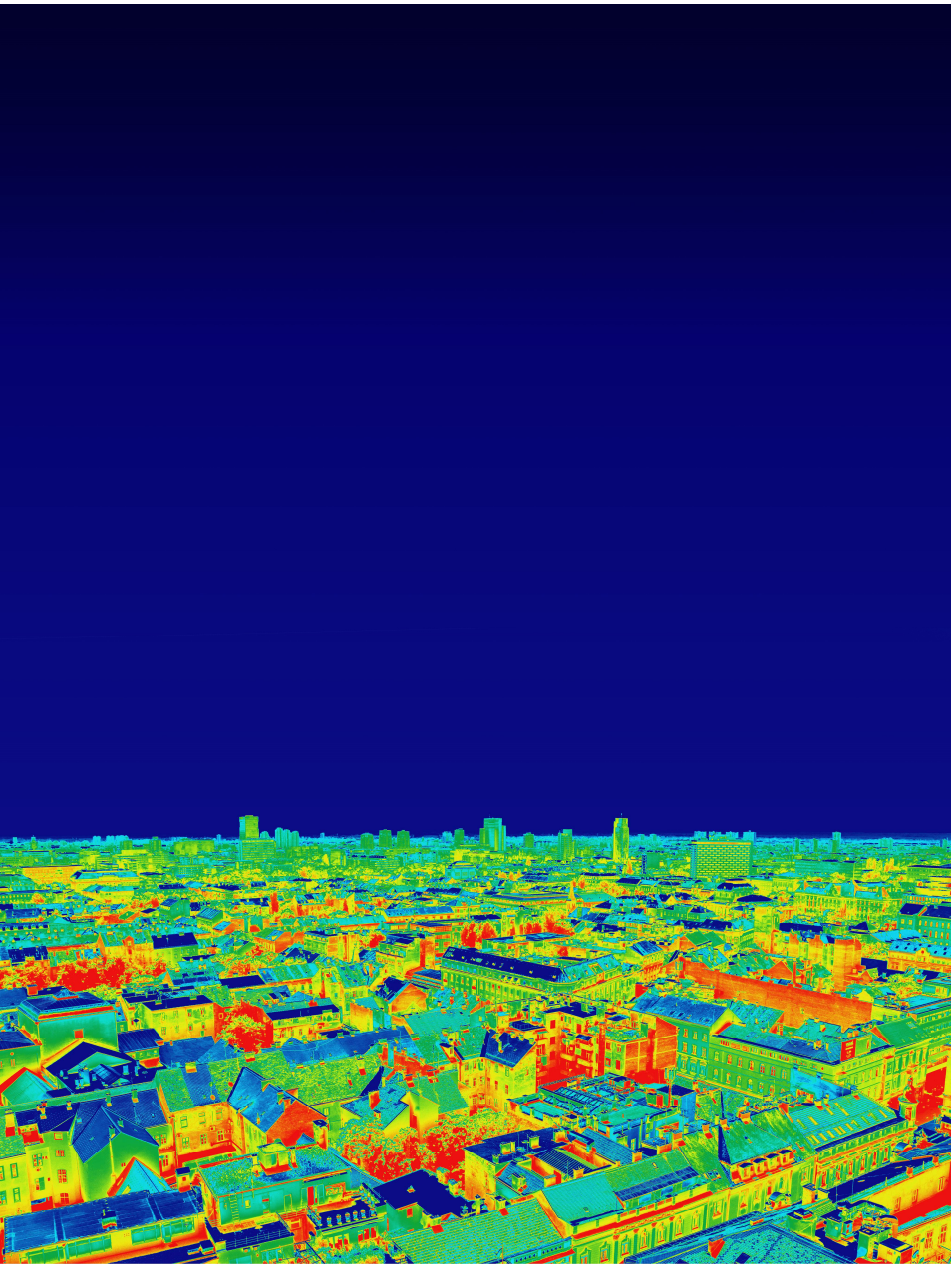
## USE CASE 2:

LET'S PLAY WITH THE BSO





## USE CASE 3: DATA NERD



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# STAY CONNECTED!



**Subscribe to the BSO newsletter**



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

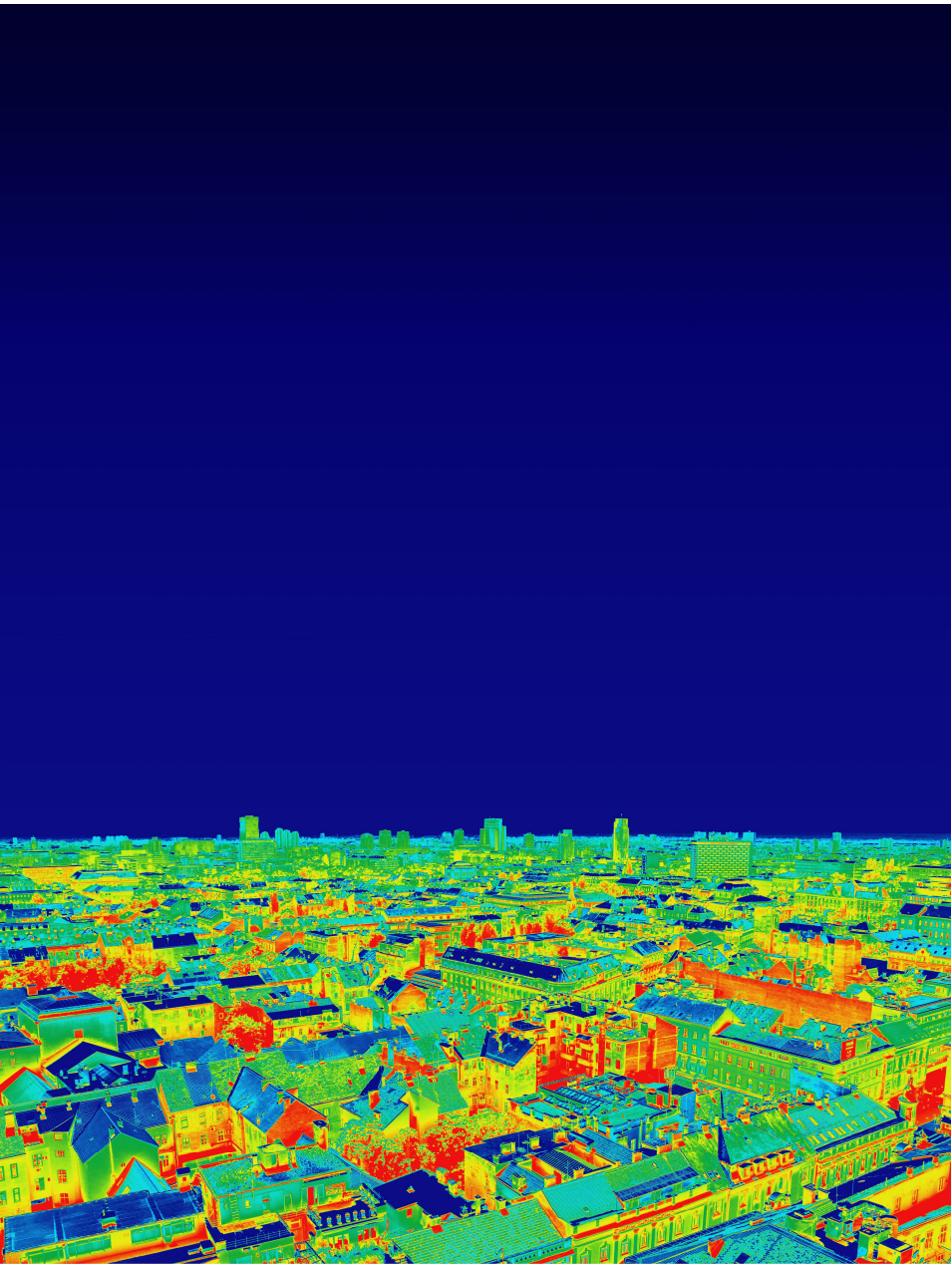
*carla.mauricio@bpie.eu*



# QUESTIONS / ANSWERS

## YOUR PANEL:

- Dr Andreas H. Hermelink (Guidehouse)
- Ivan Jankovic (BPIE)
- Dr Ulrich Filippi Oberegger (EURAC)
- Sylvain Robert (European Commission)



# THANK YOU

**Dr Andreas H. Hermelink**

Guidehouse

**Ivan Jankovic**

BPIE

**Dr Ulrich Filippi Oberegger**

EURAC

**Sylvain Robert**

European Commission, DG ENER



[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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