

# mbigg

## Building Information aGgregation, harmonization and analytics platform

The project BIGG, launched in December 2020, demonstrates the application of big data technologies and data analytic techniques in the complete buildings life-cycle, in more than 4000 buildings in 6 large-scale pilots, 3 in Spain (Catalonia) and 3 in Greece.



### OBJECTIVE NO.1

Flexible and open-source big data reference architecture.



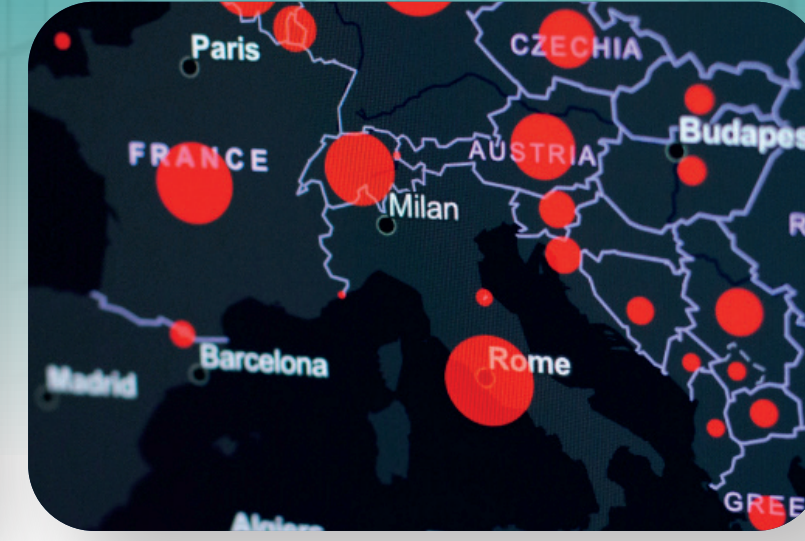
### OBJECTIVE NO.2

Standardization and harmonization of data collected from different sources.



### OBJECTIVE NO.3

Open, cloud-based building-related data analytics toolbox.



### OBJECTIVE NO.4

Validate BIGG Data Analytics Toolbox over Data Reference Architecture.



### OBJECTIVE NO.5

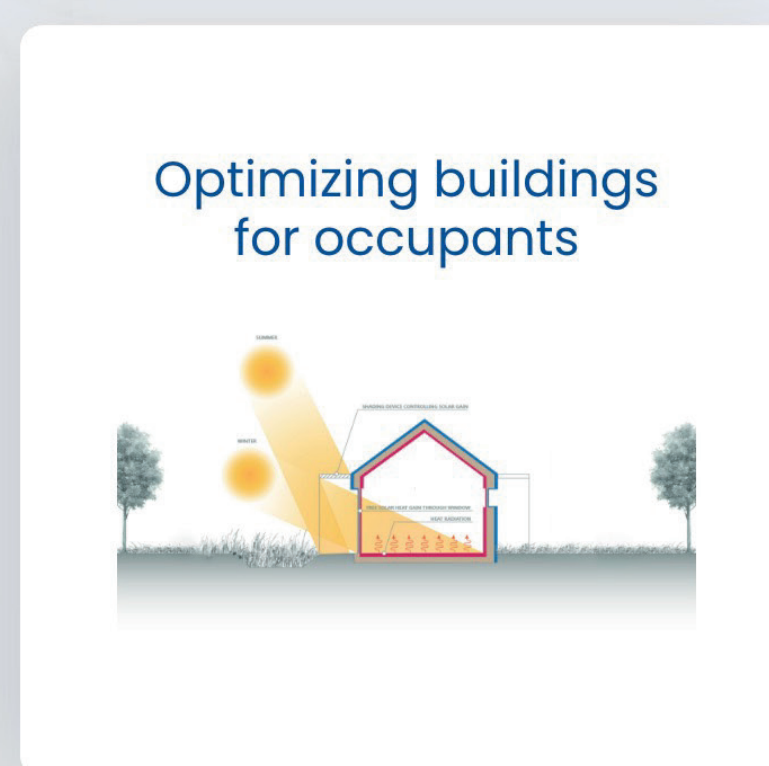
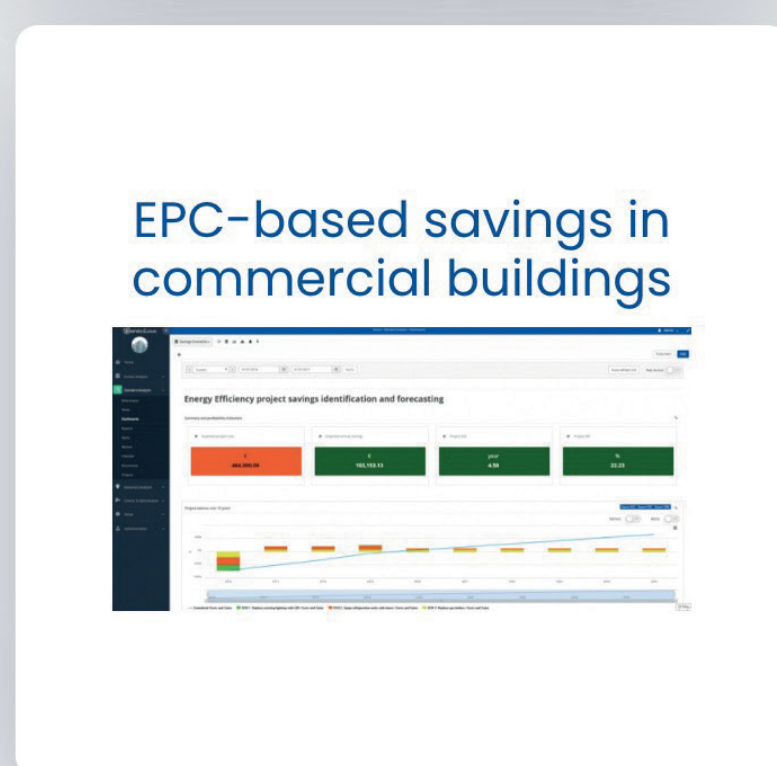
Widespread adoption of BIGG platform.

## Pilot tests in Spain and Greece

BIGG aims at developing an **open, cloud-based building-related data analytics toolbox** extensible to support third party developments and a wide range of services.

This Toolbox will be validated in Pilots under following objectives:

- Evaluation of the **applicability of the designed BIGG platform** to support diverse real-world business scenarios, in terms of defining the KPIs, and collecting monitoring information to check KPIs are met;
- Performance of **cross-pilot evaluations** of the different business scenarios.



#### HETEROGENEOUS DATA STREAMS

BIGG Standard Data Model 4 Buildings

#### BIG DATA MANAGEMENT

BIGG Data Reference Architecture 4 Buildings

#### LEARNING, MODELS, INTELLIGENCE

BIGG Data Analytics Toolbox



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