

# CREATING A LIVING LAB-BASED LABORATORY TO FOSTER ENERGY EFFICIENCY AND ENERGY-SUFFICIENCY OF LARGE PANEL BUILDING SYSTEMS

### Main goal:

to build a zero emission building, in which different kind of renewable energy and energy efficiency technologies can be tested

- the system is capable of recording energy consumption continuously
- combining it with data from other systems and visualizing it according to individual requirements
- access to a live overview of current energy consumption
- It integrates state-of-the-art technologies
- The building would be designed with the aims of lowering to the minimum extent energy demand for operation
- reaching the zero emission target

### **Main objectives:**

is to realize a building that is representative, a single family house in every participating countries, and to demonstrate how CO<sub>2</sub>-neutral construction can be realized

- research on how users interact with state-of-the-art technologies
- People are expected to live (for shorter or longer periods) in the Living Lab

### **Results of the project:**

- a study on a Living Lab in every country, where state-of-the art technologies are expected to use and the energy consumption is continuously measured
- it also can be used by university student who can examine, how these technologies work in real conditions

### **Actions:**

- to collect good practices of existing living labs
- to collect state-of the art technologies