



# 2nd newsletter BIM4ENERGY

A digital way towards positive energy districts

## Meeting in Vilnius Builders Training Centre

Partners met for the 4th project meeting on the 23rd and 24th of May in Vilnius Builders Training Centre, the largest training centre in the region that trains young professionals for the construction sector. The main aim of the meeting was to agree on a common methodology for the cases studies being developed, so that they could be integrated in the webapp. Partners also agreed on the webapp functionalities, so that they could be adapted to the different territories, given the big differences between climates and construction techniques.

### Spanish case

In every country, a common place building with a poor energy performance has been selected, with the objective of creating its BIM model and evaluating different alternatives to improve its energy efficiency. These cases will feed the project web app. In the case of Spain a detached house located in Ceutí has been chosen.

### Lithuanian case

The Lithuanian case is a 5-storey building for residential use, located in Vilnius. As well as in the two other case studies, improvements will be proposed for the thermal envelope, heating, ventilation and air-conditioning systems and installation of local renewable energy generation systems.

### Romainian case

The Romanian case study is a primary and lower secondary school, built in 1962 and located in Sălaj County. The building is not insulated, having a total built area of 512 square metres, comprising 3 classrooms, 1 kindergarten room, two hallways, a teaching materials storage, an office, three storage rooms, a toilet and a technical room.



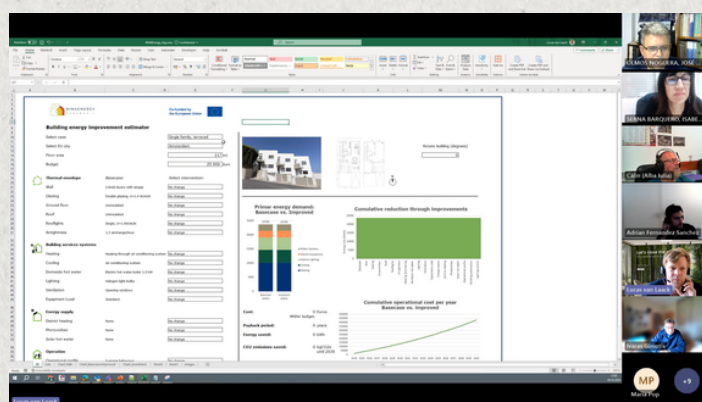


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## Project web app

The project web app is being developed at a good path by Ramboll Norway. During the 5th project meeting, which was online, the most recent version was presented, where users may choose the type of building and location, and test different interventions regarding the thermal envelope, building services systems, energy supply and operation, getting information about cost, payback period, energy saved and CO2 emissions



## Project website

Our project website keeps being updated with the different project outcomes that are being produced. Visit us at:  
<https://www.bim4energy.eu/>

## Tutorials

As a cooperation partnerships in higher education project, BIM4ENERGY seeks to provide higher educational organisations with methodologies and teaching materials on the use of BIM to evaluate the energy efficiency of a building. Some of the tutorials have been already produced and are available on our website.

## Green plan



Being environment and climate action one of the priorities of the EU, the Erasmus Plus programme foresees that organisations and participants strive to incorporate green practices when designing activities. That's why a green plan has been devised in order to provide ecotips and flight against the rebound effect of energy efficiency.

