



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 764805

## EU funding programme



Project co-financed by the European Regional Development Fund

### Name of Project/Programme & Link to website

Integrated Management Support for Energy efficiency in Mediterranean Public buildings: IMPULSE

<https://impulse.interreg-med.eu/>

### Description of Project

The IMPULSE project's main objective was to introduce an integrated management support system for planning reliable and affordable energy renovation projects for public buildings, with the aim of supporting public administrations in developing their energy efficiency action plans for their building stock, in line with the requirements of Directives 2010/31/EU and 2012/27/EU. The approach built on testing of previous methods and protocols, in 6 MED cities.

### Aim/Expected Impact of Project

Key results of the project include:

- classification of the public building stock in the 6 pilot Cities (Heraklion-Greece, Ravenna-Italy, Elche-Spain, Osijek-Croatia, Mostar-Bosnia-Herzegovina) into representative typologies, using appropriate classification criteria, and development of 6 libraries of public building typologies;
- technical-financial analysis of energy renovation options for a selected ('Ambassador') building from each

representative typology, testing various levels of energy renovation (small-scale, medium-scale, large-scale, deep-renovation), and calculation of the resulting KPIs/ cost-effectiveness of each scenario and included interventions;

- projection of results to the group of buildings of the same typology using IMPULSE tools;
- assessment of the overall building stock in each pilot city, using IMPULSE tools: prioritisation of buildings to renovate and cost-effective interventions to target;
- development of a long-term gradual renovation and financial plan for the Municipal building stock in each pilot city;
- creation of a GIS-based information system (IMPULSE online <http://impulseonline.eu>), with a mapping of the results/key performance indicators, of the tested building typologies and renovation scenarios across the participating MED territories;
- implementation of 6 small-scale renovation projects in public buildings (1 in each pilot City);
- application of the IMPULSE tools towards development /update of local SEAPs;
- training/transferring sessions engaging further local authorities to use the IMPULSE tools.

### Involvement of the Agency and Link to the EU Green Deal

#### Renovation wave

CRES is Coordinator of this Consortium.