D2.2 - Series of energy efficient conservation interventions and their impact (M12)

D2.3 - Results of the validation of the SUI concept (M12)

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Executive summary

This document includes deliverable 2.2 and deliverable 2.3 which are result of developing tasks 2.2 and 2.3. A unique and integrated document is being developed to better understand of the procedure done and results obtained.

a. Simulate the SUI and the focus buildings to determine the prevailing conditions with accurate weather data to determine the base case scenario and compared with the real-time data gathered
b. Develop a set of bioclimatic measures for the SUI and the focus buildings, based on data acquired by the data-loggers, blower test and thermal imaging.
c. Do a feasibility study of each measure in terms of reduction of the energy consumption, its economic viability and its sustainability impact using the adequate software.
d. The proposed measures will then be incorporated into the model to determine the most efficient scenario for implementation.

The aim of D2.1 was to determine the human comfort conditions in the case study (public) building and area and calculate their energy efficiency as well as evaluate the mobility impact on the energy profile of the area.

In order to address these objectives, the tasks/activities were divided into 3 principal points of investigation: a) the building, b) the area and c) the mobility.