


Project ID 5578665	Smart Urban Isle - Smart bioclimatic low-carbon urban areas as innovative energy isles in the sustainable city	
Date: 02/11/2017	Deliverable D5.1 & D5.2– Description of goals and scenarios and Implementation plan for the pilots & Implementation plan for the pilots	



D5.1

Description of goals and scenarios and
Implementation plan for the pilots (M15)

D.5.2

Implementation plan for the pilot (M18)
(Country chapter: Santa Cruz de Tenerife,
Spain)

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Executive Summary

The SUI case study is within the Salamanca quarter. This is a quarter fully integrated in the urban city centre. It has a global area of 0.26 km², about 1,6 km of the old city centre and it has 86 meters above sea level (average). The core of the case study is the Innovalia building. The building was built in 2010 and has professional facilities of the best quality in the centre of the city. It is spread over 4 floors plus a usable terrace where unique events are organized. Main actors involved in the implementation stage of the Tenerife use case are CARSA, as host partner, and Cyl and EEE, as experts providing knowledge and guidance through the validation of the SUI concept within the Tenerife SUI area.

The implementation will be divided in three action paths:

- WP2. SUI Bioclimatic design and mobility
 - A.2.1. Actual consumption data acquisition, onsite observation, construction details and thermal comfort survey
 - A.2.2. Preparation for energy improvement scenarios point
 - A.2.3. Energy performance simulations and results
 - A.2.4. Cost effective analysis
 - A.2.5. Real life examples from the selected measures
 - A.2.6. Analysis of results and reporting
- WP3. SUI Management System
 - A.3.1. Selection and setup of smartphones
 - A.3.2. Setup of the measuring requirements
 - A.3.3. Setup of the measuring platform
 - A.3.4. Setup of dashboards
 - A.3.5. Collection of data
 - A.3.6. Dashboards visualization
 - A.3.7. Analysis results and reporting
- WP4. SUI Mini-networks
 - A.4.1. Collection of data from Tenerife in terms of electrical consumption and renewable resources
 - A.4.2. Preparation of first scenario to be simulated
 - A.4.3. Simulation of first scenario
 - A.4.4. Preparation of second scenario to be simulated
 - A.4.5. Simulation of second scenario
 - A.4.6. Analysis results and reporting

The start date of the implementation will be June 2017 and end date will be February 2018.