



Project ID <b>5578665</b>	Smart Urban Isle - Smart bioclimatic low-carbon urban areas as innovative energy isles in the sustainable city	
Date: <b>21/11/2016</b>	Deliverable D1.3 – Cross models design	



## *D1.3*

### Cross models design (M9)

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## Executive Summary

Within this deliverable, several approaches are analysed in order to achieve a complete and functional relation between the three domains involved in the SUI formation. First, a conceptual framework is defined in order to address the sequence of actions that need to be carried out:

### I. Drafting the basics

Step one comprises the basic work, which should be coordinated by the public governance body responsible for the SUI core building or complex. The main actors involved are (1) the public governance body, (2) the planning team, (3) the grid operators and (4) the users of the SUI.

### II. Developing the structure – Involving all participants

In the course of step two, through the operation of the SUI setup board as the managing platform, all participants are involved into the development process. In this phase, all the relevant components of the SUI are planned and all the relevant requirements of the organisational and regulative framework are checked and clarified.

### III. SUI realization and start of operation

In the third step the SUI is implemented and, therefore, construction tasks must be dealt with. Within this phase the SUI is taking form and the demand for cross-section design has to be handled in real time, requiring skills in project management as well as in management of contractual matters and regular business processes.

### IV. SUI operation, monitoring and improvement

The fourth and final step, additionally to regular, on-going business, includes continuous monitoring of the SUI and, if necessary, the undertaking of improvement measures in order to manage occurring and unforeseen (technical) problems.

As a result, a list of tasks is developed to be performed during the implementation stage. The tasks are classified into the following nine (9) topics:

1. Spatial and organisational characteristics
2. Characterization of SUI elements
3. Structure of energy demand and supply
4. Characterization of measures
5. Technical requirements
6. Regulatory requirements
7. Financial and funding aspects
8. Operational oversight
9. Acceptance.