

# OPTIMUS

OPTIMISING  
ENERGY USE IN  
CITIES THROUGH  
SMART DECISION  
SUPPORT SYSTEMS

TRAINING WORKSHOP

## Innovative solutions for Smart Energy Cities: the OPTIMUS Decision Support System



Tuesday, May 31, 2016 Sant Cugat del Vallès (Barcelona), Spain

Hosted by: In support of:

Ajuntament  de SantCugat

  
Covenant of Mayors  
for Climate & Energy  
[www.eumayors.eu](http://www.eumayors.eu)

  
Cleanergy.Net  
EU-GCC

*Would you like to know...*

- *How optimizing the energy performance of buildings can help to achieve a Smart Energy City?*
- *How to plan in advance the behaviour of a building to suit future use scenarios?*
- *How gathering data from multiple domains and sources can help to better understand the behaviour of a building and to improve its performance?*

*The OPTIMUS technological solutions provide an answer to these questions. Learn from the latest research about energy efficient buildings and cities. Exchange with your peers!*

## About OPTIMUS

The FP7 funded OPTIMUS project has developed a package of advanced ICT tools to assess smart energy cities and improve the energy performance of their buildings.

OPTIMUS Decision Support System (DSS) sits on the top of existing energy management systems, integrating five data sources from various domains (weather, building monitoring, occupants' feedback, energy prices and energy production) in order to propose short-term action plans for building energy managers to optimise energy use and thereby reducing energy costs and carbon emissions.

## The workshop in brief

This Training Workshop is hosted by the City of Sant Cugat del Vallès (OPTIMUS project partner). The one-day event will cover:

- European municipal strategies and experiences in energy management and policy;
- Practical guidance and lessons learnt on smart data analysis and measures to optimise energy use in buildings and;
- Demonstrations of their applicability in the pilot buildings of Sant Cugat del Vallès.

The programme is particularly aimed to: City energy managers and facility / building managers, technicians working on a Sustainable Energy Action Plans and Smart City solutions, Covenant of Mayors supporters and coordinators, energy agencies and experts.

## Practicalities

**Date:** Tuesday, May 31, 2016

**Location:** "House of Culture" (Carrer de Castellví, 8, 08173 Sant Cugat del Vallès, Barcelona, Spain)

**Contact:** Víctor Martínez del Rey, Director for Urban Planning & Development  
([victormartinez@santcugat.cat](mailto:victormartinez@santcugat.cat))

## Programme

9:15 – 9:30	<b>Registration</b>
9:30 – 9:40	<b>Welcome from Host City</b> <i>Cristina Paraira</i> (Deputy Mayor of Presidency and Urban Services, Sant Cugat)
9:40 – 11:00	<b>Smart City governance, framework and current trends in Europe</b> <i>Carsten Rothballe</i> (ICLEI Europe) <b>Smart City Sant Cugat – Strategy, achievements and perspectives</b> <i>Victor Martínez</i> (Director, Sant Cugat) <b>OPTIMUS DSS: Transforming multidisciplinary data to energy management action plans</b> <i>Haris Doukas</i> (Ass. Prof., National Technical University of Athens - OPTIMUS Coordinator) <i>Leandro Madrazo</i> (Director, Research group ARC Engineering and Architecture La Salle, Ramon Llull University) <b>Reflections by Annarita Ferrante</b> (Ass. Prof., University of Bologna)
11:00 – 11:30	<b>Coffee break</b>
11:30 – 13:00	<b>Introduction to the OPTIMUS DSS, SCEAF and Tracker</b> <i>Alvaro Sicilia Gómez</i> (Research group ARC Engineering and Architecture La Salle, Ramon Llull University) <i>Vangelis Spiliotis</i> (National Technical University of Athens)
13:00 – 14:00	<b>Lunch</b>
14:00 – 14:30	<b>Live testing of tool to “run” specific case studies</b> <i>Victor Martínez</i> (Director, Sant Cugat)
14:30 – 15:30	<b>Practical guidance and lessons learnt on smart data analysis and measures to optimise energy use in buildings</b> <i>Annarita Ferrante</i> (Ass. Prof., University of Bologna) <b>Interactive discussion round</b>
15:30 – 16:00	<b>Outlook and final remarks</b>

### **End-of-programme**

#### *Optional*

18:00	<b>City tour</b>
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## Project Partners:



**For further information visit:**

**[www.optimus-smartcity.eu](http://www.optimus-smartcity.eu)**



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