

# Integrative Smart City planning

Planning for a Sustainable  
Energy Future for Cities

## THE INSMART FINAL CONFERENCE

**15 MARCH 2017** | 09:00 – 16:00 HRS

Stanhope Hotel  
Rue du Commerce 9, 1000 Bruxelles, Belgium

Four European cities working in partnership towards a sustainable energy future



Cesena - Italy



Nottingham - UK



Evora - Portugal



Trikala - Greece

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# About the **INSMART** Project

The **INSMART** project is a three-year international research project funded by the Seventh Framework Programme of the European Commission.

There are four European Municipalities involved and six technical and academic partners:

## **Municipalities**

Trikala, Greece

Cesena, Italy

Evora, Portugal

Nottingham, United Kingdom

## **Technical and academic partners**

Centre for Renewable Energy Sources and Saving (CRES), Greece

EDP Distribuicao Energia SA, Portugal

Energy Engineering Economic Environment Systems Modeling and Analysis SRL (E4SMA), Italy

Faculdade de Ciencias e Tecnologia da Universidade Nova de Lisboa (FCT), Portugal

University of Nottingham, United Kingdom

SYSTRA, United Kingdom



There is an ever increasing percentage of the world's population living in urban areas. Urban areas are growing and developing rapidly and are responsible for a high percentage of the world's energy consumption. The **INSMART** project's aim is to support urban development planning so sustainable growth and regeneration can be achieved. Outputs from the project enable better energy consumption and carbon emissions forecasting when looking at options for city development. Using the **INSMART** methodology alternative scenarios are analysed and ranked for new and existing developments taking into account housing stock, transport, public buildings and spaces and options for renewables.

The project has used the tools and the City Energy System Model to develop an energy action plan for each partner city which includes a mix of sustainable energy measures to improve energy efficiency and maximise the use of renewable energy within each city. The participatory approach of **INSMART** ensures that all the viewpoints are taken into account and the alternatives are ranked using both quantitative and qualitative criteria.

By attending the conference you will:

- be among the first to find out about the **INSMART** project results
- learn about the latest research findings on energy efficiency and sustainable city planning
- learn about our data gathering methods
- take part in discussing and deciding future paths of sustainable development
- meet our academic and technical experts and smart city partners
- extend your regional and global network on sustainable cities and urban planning
- meet prospective project partners
- collect ideas for new projects and collaborations

# Final Conference

Brussels, 15 March 2017

Stanhope Hotel, Rue du Commerce 9, B-1000, Brussels Belgium

9:00 – 9:30 Registration and welcome coffee

9:30 – 11:00 **Sustainable Urban Energy Systems Planning**

- The **INSMART** Project - Motivation, CRES
- Energy Technology Perspectives 2016 - Towards Sustainable Urban Energy Systems, IEA (tbc)
- Sustainable city planning examples (tbc)

11:00 – 11:30 Coffee Break

11:30 – 13:00 **The INSMART methodology**

- Presentation of the **INSMART** approach by the project partners.
- Building's Modelling, University of Nottingham
- Transport Modelling, SYSTRA
- Energy consumption in municipal services and estimation of solar potential in the cities, FCT
- Integrated City Energy System Model, E4SMA
- The integrative and participatory approach of **INSMART**, CRES
- Discussion

13:00 – 14:00 Lunch

14:00 – 15:30 **Integration in Urban Planning Processes – Experiences Gained**

- The integration approach in Nottingham
- The integration approach in Trikala
- The integration approach in Evora
- The integration approach in Cesena

15:30 – 16:00 Networking coffee. End of conference.

## LOCATION

Stanhope Hotel  
Rue du Commerce 9, B-1000,  
Brussels  
Belgium

## CONTACT

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## REGISTRATION

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## Partnership

