

Integrative Smart City planning

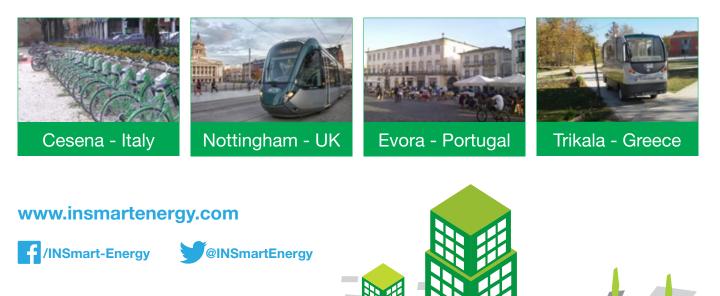
Planning for a Sustainable Energy Future for Cities

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



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 Tecnologiada 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

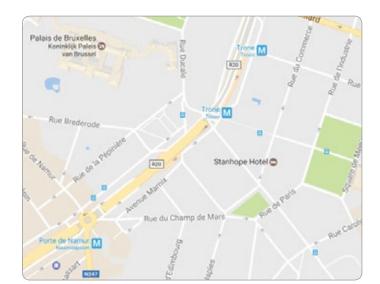
Project Coordinator: George Giannakidis CRES, Greece ggian@cres.gr

REGISTRATION

For registration please contact: **Ruth Stallwood** Nottingham City Council ruth.stallwood@nottinghamcity.gov.uk 0115 876 2900

www.insmartenergy.com

W@INSmartEnergy /INSmart-Energy





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Partnership















