INSMART

Integrative Smart City Planning

www.insmartenergy.com

Edition One – July 2015

Welcome to the first edition of our InSmart Energy Newsletter. This newsletter is designed to keep all stakeholders and partners updated on the project's progress as we work together towards a sustainable energy future.

What is InSmart?

InSmart (Integrative Smart City Planning), is a European funded three-year project which started in December 2013. There are four European Municipalities involved and six technical partners:

- Trikala, Greece
- Cesena, Italy
- Evora, Portugal
- Nottingham, United Kingdom

- CRES (Greece)
- EDP DISTRIBUIÇÃO (Portugal)
- E4SMA (Italy)
- Universidade Nova De Lisboa (Portugal)
- University of Nottingham (UK)
- SYSTRA (UK)

Our Aim - The aim of the project is to develop a sustainable energy action plan for each partner city which will include a mix of sustainable energy measures to improve energy efficiency within each city through the use of specialised tools and models.

Evaluating our Success - During the initial stages of the project, each City produced reports on the current energy policies and strategies currently in place. This will be used as a baseline on where the cities are at in terms of energy efficiency.

What we have done:

Building Energy Surveys

A building energy survey template was initially developed and each city used it to carry out energy surveys in their local communities.

An average of 400 energy surveys has been undertaken on residential buildings in each city. The surveys helped identify the building typologies and the energy profiles of each building type surveyed. The data collected will be collated and compiled in reports. The survey results will be used to develop a GIS energy database for each city. These survey results will also be used for Analysis of the City Building Stock (WP2) for building energy simulation.

Transport Surveys

In order to determine the energy consumption associated with transport, an average of 400 transport surveys was also carried out in each city.

Information was gathered on travel behaviour and characteristics of people living in each city, in particular:

- Why people travel
- How often they travel
- When they travel
- How far they travel
- By which mode they travel

The survey results collected from each city will be used to develop transport based energy and carbon models for the four European cities at later stages of the project.

Communications

A project website has been set up, together with social media channels such as Facebook and Twitter – INSmartEnergy, to communicate project information to stakeholders.

To increase awareness and interest in the project the following communications are planned to be carried out by project partners:

- Press releases
- Conferences
- City specific communications
- Academic group workshops
- Information on partner's websites

Project meetings

To date, three project workshops have been organised to discuss and plan the next stages of the project. The initial meeting took place in Athens, followed by the second meeting in Nottingham.

InSmart Energy's third project meeting recently took place in Cesena over two days in January 2015 where progress on work packages one, two and three were discussed. More information on the work packages can be found on the project website – **www.insmartenergy.com**

The next meeting will be held in July in Evora.

Next steps

The information collected from the building and transport energy surveys will be analysed and used to develop GIS models in later stages of the project.

The next phase of the project involves collecting information on energy use from:

- Buildings owned by municipalities and commercial buildings
- Urban spaces such as street lighting
- Water and sewage treatment processes
- Waste collection and treatment process
- Energy supply chain

Project partners are currently gathering this information for their respective cities.

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