



ESOLi newsletter

Interested in adaptive outdoor lighting? Get support from ESOLi!

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What is the ESOLi project about?

Saving on the electricity bill for outdoor lighting is possible: several new technologies allow an important reduction in the electricity costs. Today approximately 80 million street lights across Europe are running with an energy consumption of about 60 TWh/year, of which more than 60% could be saved **by switching to intelligent systems** like adaptive street lighting and the use of LEDs. The high electricity bills and the possibility to save money are making municipalities more and more interested in new solutions.



In order to overcome concerns about the performance and reliability of new technologies, financial obstacles and lack of information, the European Commission launched the **ESOLi project** (Energy Saving Outdoor Lighting) in the framework of the Intelligent Energy Europe program. The project aims to transfer knowledge, develop innovative financial schemes and to establish a comprehensive network of key actors in the field with the final objective of accelerating the diffusion of energy saving technologies in outdoor lighting all over Europe, and contributing to the reduction of CO2 emissions.

ESOLi offers information and advice to municipalities on specific issues and support them through workshops, with a best practice catalogue, a benchmarking tool, a tendering manual and case studies. Also the project will offer advanced training for installers and operators of street lighting and is collaborating with the standardization and regulatory organizations on the improvement of general conditions.



The ESOLi consortium which is coordinated by the Berlin Energy Agency Ltd, is formed by 16 organizations from 14 European countries, representing street lighting operators (incl. utilities), energy agencies, local authorities, key actors, industry representatives and consultants. The countries involved are Belgium, Bulgaria, Czech Republic, Finland, Germany, Ireland, Italy, Latvia, Norway, Poland, Slovenia, Spain, Sweden and The Netherlands.

Since one of the strategic objectives is increasing the number of intelligent light point installations, the promotion and approach to new end users are important tasks of the project. Several useful information modules will be available directly on the project

website but should it not be enough you can contact your national contact of the project for further information or for country-specific advice.

Visit our website to find out more! www.esoli.org

Good practice

In this section of our newsletter we will show you some interesting examples of adaptive street lighting projects, projects of different types and sizes implemented in different parts of Europe.

SIIUR : A smart street pilot project - Barcelona, 22@ district

The provision of **public lighting services** is one of the principal tasks of a public authority in terms of quantity of resources (today in many cases it constitutes **more than 50% of the electricity bill** of a municipality). The elevated operational and maintenance costs does not only mean an economical problem for public authorities, but also an environmental one for the whole of society. **Inefficient energy management** and obsolete technologies can cause direct light pollution and unnecessary emissions of CO₂. To solve this problem, in the 22[@] district of Barcelona a pilot project has been successfully implemented, using a system of LED lights with sensors and wireless control, providing light exactly when and where it is needed.

The SIIUR project (**Solución Integral de Infraestructuras Urbanas**) is the result of the collaboration of more than 12 companies involved in public lighting, automation, control, communication networks, and the electrical sector in Catalonia whose main objective was to implement a street lighting “living-lab” system in order to study the energy efficiency, luminous quality and final user perception of the lighting system installed at the Mas de Roda street in Barcelona.

With the aim of improving energy efficiency in the new lighting designs and being able to develop a platform as a model of innovation and sustainable social image, the SIIUR system consists of a global solution for integration of urban infrastructures, communication and lighting for municipality services and of a new business model both for the public authority and for other organizations.

The development of an efficient public lighting solution has offered the 22@ district of Barcelona the possibility of gaining a strategic position in Catalonia regarding the current development trends, underpinning also industrial growth and productivity – while keeping respect for the environment. More simply: it keeps the streets safe while saving the city money!



Lighting and energy efficiency news

In this section of our newsletter you will find a selection of news about upcoming interesting events, open funding possibilities and other hints to get involved.

MEGRA: 24rd International Fair of Construction – 29 March – 2 April 2011 Gornja Radgona, Slovenia

The MEGRA fair is a business and trade event providing an overview of the market requirements and the challenges of the modern times. Its objective is to establish a connection between supply and demand, economy and profession. Enhance your visibility within the circle of your major targeted groups at the crossroads of Central and South-Eastern Europe. The fair has a module dedicated to indoor and outdoor lighting.

<http://www.pomurski-sejem.si/ang-megra/megra.htm>

ELFACK 2011 – 9-13 May 2011 Gothenburg, Sweden

http://nemonet.swefair.se/templates/FlexiblePage_168943.aspx

Elfack is the nordic region's biggest meeting place for the electrical technology and lighting industry, a leading trade show for all our manufacturing units, linking measurement test results, regulating motor speeds, improving electricity quality with phase compensation, upgrading property automation and introducing intelligent lighting control. The 2011 edition will be hosted by Gothenburg. If you will be there to visit the event don't miss the ESOLi workshop organized in parallel!

EU Sustainable Energy Week 2011 – be part of it!

Wherever you are in Europe, you can now be part of the EUSEW 2011 by organising an Energy Day in your city, town or region between **11 and 15 April 2011** (including weekends before and after). You can get more information and inspiration from the Energy Days 2011 flyer and register your interest on www.eusew.eu to stay tuned for updated information.

7th Framework Programme – three “Energy” calls open

The priority “Energy” of the 7th Framework Programme has currently 3 calls open. To find out more about the open topics see http://cordis.europa.eu/fp7/energy/open-topics_en.html . The FP7 programme supports research and demonstration actions which will be on accelerating the development of cost-effective technologies for a more sustainable energy economy for Europe (and the rest of the world) and ensuring that European industry can compete successfully on the global stage.

Intelligent Energy Europe – next call soon!

The Intelligent Energy Europe programme foresees to launch the 2011 call for proposals on 18th of January 2011 during the European Info Day at Brussels. For further information about the event you can consult http://ec.europa.eu/energy/intelligent/events/infodays_en.htm .

LUCI... have you ever heard of it?

LUCI (Lighting Urban Community International) is an international network of cities on urban lighting bringing together over 60 municipalities on 4 continents. It is a unique network of cities and lighting professionals engaged in using light as a major tool for urban, social and economic development, with a concern for sustainability and environmental issues. Find out more on <http://www.luciasociation.org/> .

Get involved! Don't hesitate to contact the ESOLi partners!

- Coordinator:** Ms Sabine Piller
Berliner Energieagentur GmbH (BEA) Germany
- Partners:** European Lamp Companies Federation aisbl, Belgium
Black Sea Regional Energy Centre, Bulgaria
ELTODO EG, Czech Republic
SEVEN, Strediisko pro efektivni vyuzivani energie, o.p.s., Czech Republic
SITO Oy, Finland
City of Göteborg, Traffic and Public Transport Authority, Sweden
Selc Ireland Ltd, Ireland
Gruppo Impresa Finance s.r.l., Italy
Ekodoma, Latvia
Luminext BV, Netherlands
Agency for Road and Transport, City of Oslo, Norway
Krajowa Agencja Poszanowania Energii S.A., Poland
Building and Civil Engineering Institute ZRMK, Slovenia
Javna Razsvetljava d.d., Slovenia
SECE - Spanish Society of Electric Constructions, Spain
- Website:** www.esoli.org
- Duration:** 20/04/2010 - 19/04/2013
- Budget:** EUR 2 112 996 (EU grant: 75%)
- Contract n°:** IEE/09/927/SI2.558319

