



# ESOLi newsletter

Interested in adaptive outdoor lighting? Get support from ESOLi!

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ESOLi is supported by the “Intelligent Energy - Europe” program of the European Union, with the aim of promoting energy efficient solutions for street lighting Europe-wide and increasing the number of intelligent light point installations. **ESOLi offers information and support to municipalities** on specific public lighting issues and intends to support them by developing a series of practical tools. Some of these are already available on the project website and other ones will come soon. Keep an eye on [www.esoli.org](http://www.esoli.org)!

## Success of ESOLi at Light+Building 2012 in Frankfurt

On Tuesday 17 April 2012 a full room of participants listened with interest to the presentations about energy saving public lighting projects all over Europe. The ESOLi conference, supported by the Association of Municipalities of the FrankfurtRhineMain Region, attracted local authorities from several European countries.

As Sabine Piller (Berlin Energy Agency) explained, the advantages of “intelligent” lighting technologies are numerous, of which the most important are that they lead to remarkable energy saving with a consequent reduction of CO2 emissions, electricity and maintenance costs. Besides, these installations can open the way towards a “smart city” and a sustainable urban future.

The speakers talked about the environmental and economic benefits of adaptive lighting with intelligent control, illustrating in detail the lessons learnt in Oslo (Norway), Düsseldorf (Germany), Ljubljana (Slovenia), Göttingen (Germany) and Gothenburg (Sweden).

The Municipality of **Oslo** presented their experience which began over ten years ago, when a centrally controlled adaptive road lighting system, based on two-way wireless and e-communication, was introduced. The 10.000 intelligent light points lead to 70% lower energy consumption. The long-term goal of the Municipality of Oslo is to implement this dynamic street lighting system in all the new installations of the city. Another Scandinavian example from **Gothenburg** showed



similar success: 60% less energy costs and a more environment-friendly city, thanks to the 2500 intelligent light points installed. The project, realized with the contribution of the Climate Investment (KLIMP) won the acknowledgement of the Swedish Environmental Protection Agency as best practice example to be followed.

Then it was turn of the municipalities of **Düsseldorf** and **Göttingen** to illustrate their successful examples: the installation of a traffic controlled street lighting system along the airport feeder road, and a sensor controlled public lighting system in a residential area, respectively. A Southern European example was presented by **Ljubljana**, which with its 4000 intelligent light points registered energy savings up to 58%.

After the presentation of these encouraging experiences, the participants could learn interesting information about the LUCI network (Lighting Urban Community International) which is an international forum of cities for learning and exchanging knowledge about urban lighting strategies and for promoting successful initiatives and best practices of cities around the world.

As a conclusion, a fact worth meditating on: if all public authorities in Europe switched to “intelligent” systems, like adaptive street lighting and intelligent control, Europe could gain more than 60% of energy savings!

### Save the date: 13 June 2012 - ESOLi workshop with study visit in The Netherlands



The 5<sup>th</sup> ESOLi consortium meeting in The Netherlands will include a special open session, in the frame of which a **hands-on workshop with a following on-the-field study visit** will be organized for people working in the field of public lighting or having an interest in this field. Participants will have the opportunity also to meet the ESOLi partners and discuss with them about their experiences.

The objective of the workshop with study visit is to *transfer experience and know-how about Intelligent Lighting Systems (ILS)*:

- What are the key functions, possibilities and challenges?
- What components are used and what are their function
- How do we build the solution and configure it
- Real life test
- Study visit to systems installed in the Province of Utrecht.

In the first part (workshop) participants will build their own small ILS. For this hands-on part the group will be divided into smaller teams that will all build various kinds of dimming systems. Using this method all areas of ILS will be touched. After, the systems will be built they will be tested and dimmed directly so it will be possible to see and test the systems first hand. Afterwards, the participants will have the possibility to enjoy a guided tour to several locations in the area where ILS systems are operated, in order to experience the effect in real life.

After this fruitful and inspiring day, intelligent street lighting will have no secrets for those who will join.

The working language will be English and participation is **free of charge but subject to registration**. Don't miss the occasion! For information please contact Andre Nell [andre@luminext.eu](mailto:andre@luminext.eu) .

### Funding opportunities from the EEEF

The European Energy Efficiency Fund (EEEF) is an innovative public-private partnership dedicated to mitigating climate change through energy efficiency measures and the use of renewable energy in the member states of the European Union.

It focuses on financing energy efficiency, **including the field of public lighting**, small-scale renewable energy, and clean urban transport projects targeting municipal, local and regional authorities – alone or in groups – as well as public and private entities acting on behalf of those authorities.

On 27-28 March the European Energy Efficiency Fund (EEEF) and TECLA Europa, association of local authorities for territorial cooperation, organized a workshop on EEEF's funding opportunities for municipal, regional and local authorities. The event took place in Brussels in the premises of the Committee of



the Regions.

A group of 25 Italian local authority representatives participated in the workshop coming from all major Italian regions. They were chosen among the most advanced authorities in the fields of renewable energy and energy efficiency; their representatives, ranging from political leaders to public energy sector managers, Energy Service Company (ESCO) technicians and consultants, had also the chance to exchange views with EEEF's Investment Manager on possible project proposals.

Along with municipal, regional and local authorities, the Investment Manager of EEEF and TECLA Association representatives participated in the workshop together with several officers of EU Institutions. During the workshop the role of EEEF in supporting local authorities' green investments, thus contributing to the success of other important initiatives such as the Covenant of Mayors, was emphasized.

If you have a project and you would like to know if you can apply for EEEF funding, you can test your opportunity on <http://www.eeef.eu/> through the **online eligibility check**. The Eligibility Check allows you to submit projects, and receive an immediate feedback about the alignment with the Fund's investment criteria. It also gives you the possibility to upload further documents, in order to provide the Investment Manager with a detailed understanding of the project.



### Lighting project from The Netherlands: Ootmarsum

Energy efficient urban illumination in the town of Ootmarsum: this successful project has been completed recently in The Netherlands.

The master plan of the project has been designed by the German light architect Norbert Wasserfurth.

The project revolves around the historic center of Ootmarsum which is seen as a cornfield in a green landscape where the towers as cornflowers rise above



the harvest field.

As the photo illustrates it well, the project is a technical masterpiece which is unique in The Netherlands, making use of energy efficient LED lighting technology and motion sensors in the illumination of the artworks.

The ESOLi Best Practice Catalogue is already available for download on the project website. Have a look at what others did and how much they've been saving!

### Lighting and energy efficiency news

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

#### EUSEW 2012

The European Sustainable Energy Week will take place between 18 and 22 June 2012. During this week hundreds of events organized in all parts of Europe will show, promote, discuss and celebrate renewable energy and energy efficiency. The detailed programme is available on <http://www.eusew.eu/>.

#### 7<sup>th</sup> Framework Programme – “Energy” calls coming up

The next round of calls for proposals under the priority “Energy” of the 7th Framework Programme will be published on 10 July 2012. More calls are planned to be launched, among them one regarding also “Smart cities and communities”. 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. <http://cordis.europa.eu/fp7/energy/>

#### Second ESOLi workshop in Germany

The second German ESOLi workshop will be organized in autumn 2012. Detailed information will be available soon on <https://energiesparendeausenbeleuchtung.wordpress.com/>.

### Licht 2012, Berlin (Germany)

The "Light 2012" international conference on lighting by the German, Dutch, Austrian and Swiss lighting associations will be organized between 11-14 September 2012 in Berlin. For further information please visit <http://www.licht2012.litg.de/>.

### Training seminars about LED lighting in Germany

Two training seminars will be held on LED-technology in street lighting "LED-Technik in der Straßenbeleuchtung" in Germany: the first one in Hamburg on 8-9 August 2012, the second one in Frankfurt/Main on 14-15 November 2012. To find out more details:

[http://www.vdi-wissensforum.de/index.php?id=147&tx\\_vdiep\\_pi1\[event\\_nr\]=07SE009003](http://www.vdi-wissensforum.de/index.php?id=147&tx_vdiep_pi1[event_nr]=07SE009003)

<http://www.vdi-wissensforum.de/de/nc/angebot/detailseite/event/07SE009004/>.

### OPEN DAYS: European Week of Regions and Cities

The OPEN DAYS 2012 will mark the event's 10th anniversary between 8 and 11 October. The European Week of Regions and Cities is an annual four-day event during which cities and regions showcase their capacity to create growth and jobs, implement European Union cohesion policy, and prove the importance of the local and regional level for good European governance. Public authorities are invited to attend or to organize their own event. To learn more: [http://ec.europa.eu/regional\\_policy/conferences/od2012/theme.cfm](http://ec.europa.eu/regional_policy/conferences/od2012/theme.cfm).

### Light Symposium Wismar 2012

Between 3-6 October 2012, the Light Symposium in Wismar (Germany) will address the topic "Future of Light and Lighting in Architecture". [http://www.fg.hs-wismar.de/de/aktuelles/aktuelles\\_ansicht&nid=229](http://www.fg.hs-wismar.de/de/aktuelles/aktuelles_ansicht&nid=229)

### Training seminar on street and outdoor lighting - Lüdenscheid, Germany

A 3-day training seminar for street and outdoor lighting entitled »DIALux Anwenderschulung Straßen- und Außenbeleuchtung« will be held from 8 to 10 October in Lüdenscheid. For more information:

<http://www.dial.de/DIAL/de/dialacademy/seminare/dialux/dialux-anwenderschulung-strassen-und-aussenbeleuchtung.html>

### Trade fair "Belektro"

The electric industry will have a meeting forum at the Belektro trade fair for electrotechnology, electronics and lighting in Berlin, Germany, between 17-19 October 2012. <http://www.belektro.de/en/>

### Two public lighting related events in The Netherlands in autumn 2012

 On 10-11 October 2012 the *Day of the Public Space* ("Dag van de Openbare Ruimte") in Houten will reach its ninth edition, offering an exhibition and lectures on design, installation, maintenance and management of public space. Exhibitors will represent solutions for public lighting, public green, street furniture, urban water management, landscape architecture, design and management of public areas.

<http://www.openbareruimte.nl/nl/home>

On 29 November 2012 at the same expo hall it will be the turn of the *Day of Traffic and Mobility* ("Dag van Verkeer en Mobiliteit"), including an exhibition and lectures on traffic and mobility application solutions. Visitors will have the occasion to meet experts from the fields of public lighting, road construction and maintenance, traffic flow/advisory/furniture, mobility management, public transport, parking and bicycle parking.



<http://www.verkeerenmobiliteit.nl/nl/home>

### TECLA Europa - an association for municipalities

The TECLA Association is the answer to the need for cooperation, innovation and internationalization of Local Authorities. Since 1993 it works based on the principles of cooperation, participation, networking and philosophy of service in order to improve knowledge of Community policies in local institutions and encourage their capacity and potential to access to European funds. Their latest initiatives can be found on <http://www.tecla.org/index.php>.

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

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**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](http://www.esoli.org)

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