

PARTNERS



ELC



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Berliner Energieagentur



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Raciechowice



Slovenska-Bistrica



Cluj County

A project to switch to efficient street lighting systems

The 'Bottom up to Kyoto' (ButK) project aims to provide municipalities across EU with more disposable income for education, infrastructure and other local projects. It aims to achieve this by helping 5 municipalities 'make the switch' to efficient street & office lighting systems – freeing up funds that would normally be spent on energy to operate inefficient lighting systems.

The project is part financed by the partners (see list on this page) and the Executive Agency for Competitiveness and Innovation (EACI) of the European Commission, under the Intelligent Energy Europe Programme. It started in 2007 and runs for three years.

Over that period, the partner municipalities will develop new tools to facilitate the switch to energy efficient

street or office lighting and in doing so fulfill the main objectives of ButK as follows:

- to remove barriers to the uptake of energy efficient lighting systems
- to increase penetration of energy efficient street and office lighting in Europe
- to provide savings in term of energy and cost
- to help EU Member States to meet the Kyoto targets on CO₂ emissions reduction
- to provide experience for other municipalities in Europe.

Switching to efficient lighting is possible and beneficial

A 3 year project with the lighting value chain & 5 European municipalities

Efficient lighting can contribute in large measure to CO₂ emission reduction in Europe. There are however some barriers that can prevent the switch to efficient lighting being made; in particular the higher purchase price of efficient systems coupled with the lack of understanding of the long-term benefits of a lower life-cycle cost.

The European Lamp Manufacturers (ELC), the Electrical Wholesalers (EUEW) and the Electrical Installers (AIE), together with Berliner Energieagentur, will assist the five municipalities involved – Cluj/Romania, Raciechowice/Poland, Riga/Latvia; Slovenska-Bistrica/Slovenia, and Voru/Estonia to overcome these barriers and to achieve significant energy savings at a local level – hence the process is bottom up!

Preparing the ground for a tendering process to change lighting systems in the five municipalities

Berliner Energieagentur (BEA) with the coordination of the ELC, has in 2007 worked with municipal partners, to launch a tendering process that will lead to the replacement of inefficient lighting systems, with new, efficient systems. In order to achieve this objective, BEA has carried out an analysis of the lighting systems of the various municipalities, with a view to drafting feasibility studies that will provide a comprehensive picture of the situation in each municipality.

A preliminary audit has been conducted for each municipality, to determine the savings potential as well as suggestions on possible measures to achieve the desired levels of energy efficiency.

Each municipality has decided whether it wants to tackle an indoor or street lighting project with the following preferences expressed:

- **Voru** - street and office lighting
- **Riga** - office lighting
- **Cluj, Raciechowice and Slovenska-Bistrica** - street lighting.



The final results of the studies will be posted on the ButK website www.elcfed.org_BUtK shortly.

The partners recently met in Berlin to follow up the project progress and to decide on activities to be pursued in 2008. Here the groundwork for the launch of the tendering process and the contract implementation was reviewed and a plan for its implementation agreed.

ButK, partner of the Sustainable Energy Europe 2005-2008 Campaign



ButK recently became a member of the **Sustainable Energy Europe 2005-2008 Campaign**. This is a European Commission initiative in the framework of the Intelligent Energy - Europe (2003-2006) programme. The campaign aims to raise public awareness and promote sustainable energy use amongst individuals and organisations, private companies and public authorities, professional and energy agencies, industry associations and NGOs across Europe.

The ButK project was also presented at a lighting conference held at the **2008 EU Sustainable Energy Week**.

More info at: <http://www.sustenergy.org> - <http://www.eusew.eu>

Two municipalities - Raciechowice and Slovenska Bistrica - promote ButK

In November 2007, the ButK project was presented by the municipality of Raciechowice, in Poland, to a group of senior local officials from the Kyrgyz Republic, Czolpon-Ata, Karakol, Koczkorata in the frame of an official development assistance sponsored mission. Following this visit, Raciechowice will further disseminate the ButK results to partner municipalities in other countries, namely Kyrgyzstan and Tajikistan, through the 'Association of Polish Cities', the 'Association of Kyrgyz Cities' and the 'Association of the Small Town Development Association' of the Tajik Republic Vatanam.



The municipality of Slovenska Bistrica, in Slovenia, has also promoted the project as a good practice to share with other municipalities. It recently organized a roundtable discussion about efficient public illumination with district representatives, electrical engineers and public lighting maintenance companies, among others. The municipality will present the ButK project at the international conference "Bridging the Gap", that will take place in Portorose on the 14-16 May 2008.



The ButK has its own website
<http://butk.elcfed.org>

The ButK website, a gate to energy efficiency lighting

The website:

- Provides information about the project latest developments
- Communicates the achievements of the project,
- Contains a list of links to the most relevant policy and legislative instruments that affect energy efficiency, and particularly lighting.
- Enables the project partners to communicate with each other through its 'Members' Area'.

Need more info about ButK? **Contact us!**

Partners

If you want to know more about the ButK project, do not hesitate to contact the project's coordinator or the partners:

ButK's coordinator:


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