Stimulate the development, testing and use of sustainable lighting technologies by offering public spaces as test beds.

Explore solutions that lower the urban lighting energy consumption in cities.

Contribute to the development of improved and integrated public lighting strategies and implementation plans for each partner city.

Strengthen awareness of policymakers on the benefits of a sustainable, innovative, low-carbon based policy approach to public lighting.

PLUS (Public Lighting Strategies for Sustainable Urban Spaces), launched in October 2010 and financed by the EU’s INTERREG IVC programme, capitalizes on existing urban lighting best practices in European cities. The project aims to help cities develop their lighting policies and strategies in order to implement energy efficient lighting solutions.

The Municipality of Eindhoven is the initiator and lead partner of this two-year European project in which 11 cities across Europe as well as LUCI Association participate.

Our objectives

- Stimulate the development, testing and use of sustainable lighting technologies by offering public spaces as test beds.
- Explore solutions that lower the urban lighting energy consumption in cities.
- Contribute to the development of improved and integrated public lighting strategies and implementation plans for each partner city.
- Strengthen awareness of policymakers on the benefits of a sustainable, innovative, low-carbon based policy approach to public lighting.
Workshop

PLUS is a centre of learning. Through field visits (Deep Dives), training sessions and the mobilisation of local stakeholders (Regional Forums), cities develop new learning methods and build new partnerships. The innovative methodologies established within the PLUS project contribute to creating a permanent learning and training centre on urban lighting in each city.

Forum

Through its innovative communication tools, PLUS constitutes a space for discussion and exchange of information on sustainable urban lighting. With LUCI (Lighting Urban Community International), the project also goes beyond the partnership to find inspiration in cities world-wide, making PLUS an international forum of discussion.

Showcase

PLUS not only promotes best practices and innovative experiences in sustainable urban lighting, it also finds the right way to transfer this knowledge. The PLUS Showcase is an interactive tool that collects, presents and disseminates these best practices to raise awareness within and beyond the PLUS partner cities.
Lead partner: Eindhoven (The Netherlands)
Eindhoven, the Netherlands’ “city of light”, has played a pioneering role in lowering public lighting energy consumption for years. “Smart” new lighting has recently generated energy savings of up to 50%. The city will share its projects on locally controlled floodlighting and lighting pedestrian crossings with PLUS partners.

Bassano del Grappa (Italy)
Bassano del Grappa has identified energy efficiency as one of its top priorities and is presently working on a common Municipal Energy Plan. Through PLUS, the city hopes to develop local green strategies as well as an action plan on sustainable public lighting.

Birmingham (UK)
Birmingham is involved in a mass LED street lighting installation programme in conjunction with the implementation of a lighting control and management system. PLUS will help the city share information on LED performance and meet its obligations in international CO2 reduction agreements.

Burgos (Spain)
Burgos is currently installing 200 light points with energy saving LEDs in its upper old town (a heritage site) - a best practice that it will transfer to project partners. The city seeks to implement a new public lighting plan to increase energy efficiency and decrease light pollution.

Iasi (Romania)
Iasi seeks to combine environmental objectives with economic and social goals in public lighting policy-making in order to train experts on energy saving techniques via new lighting models. The city would also like to develop a local and regional public lighting strategy to implement an integrated urban lighting system.

Leipzig (Germany)
Leipzig will share its experience with lighting strategies and its project on intelligent lighting for the city centre. Through PLUS, the city hopes to receive inputs for its new lighting master plan and other projects such as, for example, enhancing and redesigning major main roads in disadvantaged areas.
Lyon (France)
Lyon’s contribution to PLUS will be to bring its experience on energy-efficient urban lighting solutions such as adaptive lighting operating times for different areas of the city (illumination to the beat of the city). PLUS will help Lyon reach its goal of lowering its energy consumption level by 20% before 2020.

Nice (France)
Urban Community Nice Cote d’Azur will share its project on the implementation of a public lighting remote management system with the integration of a sensor network. PLUS will help it implement a sustainable urban lighting system and meet EU sustainable development objectives.

Patras (Greece)
Patras has already developed a lighting action plan to increase energy efficiency through an automated system for the city’s public lighting network. It hopes to implement PLUS project partners’ experiences on a local level so as to develop a coherent approach to lighting across the city and to improve its night-time image.

Sofia (Bulgaria)
Sofia seeks knowledge and know-how to renovate its public lighting system. It is currently replacing its old lamps with new energy-efficient models. The experience from this process, as well as the city’s experience regarding procurement procedures for public lighting management, will be made available to project partners.

Tallinn (Estonia)
Tallinn will share its experience regarding the implementation of energy saving measures, pilot projects for outdoor LED lighting in public areas, and the lighting of pedestrian crossings. It hopes to develop a city lighting master plan and discover innovative technical solutions to lower energy consumption.

LUCI (Lighting Urban Community International)
LUCI is an international network of cities that brings together over 63 municipalities across the world engaged in using light as a tool for sustainable urban development. Taking advantage of its extensive network of lighting professionals, LUCI is the communication partner charged with collecting and disseminating the best practices identified within the PLUS framework.
PLUS partners

- Lead Partner: Eindhoven (The Netherlands)
- Bassano del Grappa (Italy)
- Birmingham (UK)
- Burgos (Spain)
- Iasi (Romania)
- Leipzig (Germany)
- Lyon (France)
- Nice Côte d’Azur (France)
- Patras (Greece)
- Sofia (Bulgaria)
- Tallinn (Estonia)
- LUCI (Lighting Urban Community International)

Programme
INTERREG IV C

Total budget
1 689 508,00 Euros

Duration
October 2010 to December 2012

Contacts:
PLUS project: plus@eindhoven.nl
PLUS communication: luci@luciasociation.org
www.luciasociation.org/plus