

Urban Lighting Workshop

“Benefits of Sustainable Urban lighting”

29 – 30 June 2017, Seoul

Organized by the City of Seoul and LUCI in collaboration with CityNet, this workshop will present the opportunities and benefits of sustainable urban lighting to municipal decision-makers.

Background

Urban lighting, a crucial element of a city’s urban infrastructure, is an important public service that local authorities need to provide for their citizens. However in many cities, urban lighting is equipped with old and inefficient technologies. As outdated lighting technology is costly due to its high consumption of electricity, this can be a burden, and in some cities it can account for up to 10 % of the overall budget.

Streetlights represent one of the most cost-effective opportunities for energy savings and for reducing municipalities’ energy costs and greenhouse gas (GHG) emissions. The use of energy-efficient lighting technologies (such as LEDs, intelligent lighting or off-grid solar streetlights for example) has great potential to save costs due to reduction in electricity consumption.

Well-planned urban lighting using new energy efficient technologies does not only reduce energy consumption costs and makes cities more sustainable, it is also a tool to improve the quality of life in cities. Improving the lights in the city will have substantial co-benefits even if they can be hard to economically quantify. In addition to improving visibility on roads and increasing perception of safety and security in the city at night, good urban lighting supports local economic development. Through a better design of public spaces, through city branding, lighting will make the city more attractive for tourists and residents; it will help create an identity for the city. Light also has major positive impacts on health & wellbeing, social cohesion and cultural awareness.

Last but not least, urban lighting is rapidly and undeniably evolving into a smart city solutions carrier. The lighting grid can be a smart grid for future public services aimed at increasing the quality of city life. This is part of the digital transition cities worldwide are facing at the moment, and a new, integrated innovative approach towards urban lighting is badly needed with a broader field of different stakeholders.

The mega-city of Seoul, which has comprehensive urban lighting policy, strategy and actions plans to ensure sustainable urban lighting and which, in 2017, upgraded its lighting plan to include innovative energy-saving street lights with advanced IT and LED technology is the ideal city to host this workshop.

Participants	Up to 30 city officials (urban lighting decision-makers) from the Asia-Pacific region
Location, Date	Seoul, 29-30 June 2017
Organizing Partners	<ul style="list-style-type: none"> • Seoul Metropolitan Government • LUCI (the international network of cities on urban lighting) • CityNet (the association of urban stakeholders committed to sustainable development in the Asia Pacific region)

Learning objectives

This workshop is a unique opportunity to meet and learn from urban lighting experts and engage in peer to peer knowledge, transfer and exchange of good practices and solutions. This will be enabled especially through group discussions and analysis, interactive work sessions, networking and site visits. The workshop is designed for up to 30 local government officials from Asian cities. Workshop participants will receive:

- ✓ **Understand the opportunities and benefits of sustainable, well-planned urban lighting**
 - Understand the cost-saving effects of energy-efficient street lighting
 - Understand other benefits such as improved and attractive public spaces, social cohesion, reinforcing city identity, positive effects on local economy, etc.
 - Identify areas of action and improvement in urban lighting in their cities
- ✓ **Get an overview of the implementation process towards renewed lighting**
 - Explore options and technologies available for street lighting renewal such as retrofitting, LEDs, intelligent lighting, off-grid solar streetlights, etc.
 - Explore urban lighting financing options in the region and innovative financial models
 - Learn from good practices, lessons learned and innovative solutions from other cities worldwide
- ✓ **Get an idea of the role of urban lighting in smart city concepts and how to process the digital transition in lighting**
 - What do we expect from future lighting?
 - How do we identify and share citizen's needs and ideas?
 - How to accelerate existing and future knowledge (Roadmapping)?
 - How to strengthen collective knowledge & network connections?
- ✓ **Establish new partnerships, facilitate city-to-city cooperation and similar initiatives after the workshop**

Workshop Program (TBC)

Module 1 (DAY 1)
Overview presentation on urban lighting: issues and potential
Participants present street lighting in their city: achievements and challenges
Presentation of good practices and projects from cities
Identification of areas of action and improvement in each city
Site visit in Seoul + Networking
Module 2 (DAY 2)
Financing urban lighting
Interactive road-mapping session
Short presentations by workshop sponsors and Q&A session
Site visit in Seoul + Networking

Modules will be moderated by LUCI and City Net, led by international experts from the Seoul Urban Light Policy Division and the Eindhoven Lighting Roadmap. Please note, the program is subject to change. Further details and updates will be available on the workshop website soon.