

EU code:
CE452

Start date:
June 2016

Duration:
36 months

Total cost:
€ 3.505.459,95

EU contribution to the
Municipality of Cesena
(80%):
€ 172.369

Co-financing by the
Ministerial Fund (20%)
€ 43.092

Funding Programme:
Interreg CENTRAL
EUROPE

Towards Dynamic, Intelligent and Energy Efficient Urban Lighting

OBJECTIVES

The Dynamic Light project, funded under the Interreg Central Europe, focusses on reduction of CO2 emissions and enhancement of energy efficiency in public lighting through the implementation of intelligent and energy efficient dynamic lighting in urban areas. The project aims to define a set of operational tools to enable cities to design and implement public dynamic lighting systems to improve the livability of public spaces, increase the security of its citizens, save energy and reduce light pollution.

- Definition of information materials and realization of training workshops for civil servants, planners, design, architects, designers etc;
- Implementation of pilot projects for the installation of dynamic lighting solutions within the project partner cities. In Cesena the pilot action will be realized within the green area of the new university campus "Ex Zuccherificio".

EXPECTED RESULTS

The public lighting causes about 6% of CO2 emissions globally. Many traditional luminaires must therefore be replaced with energy-efficient lights. The project will help to harmonize the technology standards and define techno-economic procedures at European level to design and install public dynamic energy-saving lighting devices.

The methodology will enable cities across Europe to implement a strategy to plan dynamic public lighting starting from the specific social needs of the urban context.

Thanks to pilot interventions in project partner cities, will be demonstrated in practice the effectiveness of these interventions that help increase energy efficiency and improve the permanence of people in public spaces.

ACTIVITIES

During the project the following main actions will be developed:

- Analysis of the social needs for public lighting in urban areas;
- Creation of a manual for planning and design dynamic public lighting systems;
- Implementation of an urban strategy to promote energy efficient dynamic lighting solutions in the short and long-term in urban areas;
- Definition of a financial guide to implement dynamic public lighting investments;

PARTNERSHIP

Coordinator:

- University of Wismar (DE)

Partners:

- BSC Poslovno center (SL)
- Porsenna o.p.s (CZH)
- MENEA (CH)
- Municipality of Cesena (IT)
- TEA ltd (IT)
- Foundation Bruno Kessler (IT)
- Spath Micro Electronic Design (AT)
- Municipality of Graz (AT)
- The Institute for Climate Protection, Energy and Mobility (DE)
- SWARCO V.S.M (DE)
- LiTG - German Photometric society (DE)
- Poltegor Institute (PL)
- Municipality of Rostock (DE)
- Municipality of Čakovec (CZ)

Contact person - Cesena:

Sofia Burioli

European, National and Municipal Projects Service

Tel. +39 (0)547 356215

est_burioli_s@comune.cesena.fc.it

