TEMPLATE

Output factsheet: Tools

Version 1

Project index number and acronym	CE452 Dynamic Light
Lead partner	Hochschule Wismar
Output number and title	Output O.T2.4 Guideline on finding the suitable financial model for public lighting investments
Responsible partner (PP name and number)	University of Greifswald (PP10) SWARCO GmbH (PP11)
Project website	http://www.interreg-central.eu/Content.Node/Dynamic-Light.html
Delivery date	11/2017

Summary description of the key features of the tool (developed and/or implemented)

The output consists of four parts and it aims to assist the municipalities of the countries of Central Europe, in making their decisions on choosing the relevant funding source and financing model:

1)   The baseline inventory (D.T2.3.1) identifies the obstacles to energy efficiency upgrades of street lighting. It also examines the knowledge and experience of private and public actors on funding sources and financing models for energy efficiency upgrades of street lighting.

2)   The analysis of funding sources (D.T2.3.2) provides a catalogue of funding sources for energy-efficient street lighting projects in the focus countries. It reviews available EU funding and assistance programmes, national public funding sources, multi- and bilateral financial intermediaries and private sources. The catalogue provides a description of each funding source, its financial instruments, funded activities, beneficiaries and the application process for public sources.

3)   The best practice guide (D.T2.3.3) reviews possible financing models. It includes different alternatives of self-financing, debt-financing, third-party financing, and financing using public-private partnerships. The report describes the key design features of each model, specifies its advantages and disadvantages, identifies what projects it is suitable for, and, finally, provides a case study.

4)   The guideline (D.T2.3.4) draws up on of three preceding it deliverables and offers a decision-making tree for municipalities for selecting a relevant financing model.

NUTS region(s) where the tool has been developed and/or implemented (relevant NUTS level)

AT, HR, CZ, DE, HU, IT, PL, SK, SI

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TAKING **COOPERATION** FORWARD

Expected impact and benefits of the tool for the concerned territories and target groups

Investment in energy efficiency upgrades of street lighting offers high energy savings and CO_2 emission reduction. It is also very cost-effective and has a short payback period. In spite of these arguments, a large share of the infrastructure in many countries of Central Europe requires refurbishment. The budgetary constraint of its owners, who are often municipalities, is a common reason. The guidelines help to address this challenge providing a catalogue of funding sources and a guide of possible financing models. The catalogue of funding sources helps municipalities identify relevant public and private sources whereas the best practice guide helps organize the volume and the timing of the funding available. The expected impacts of the output are higher awareness of municipalities of funding sources and financing models which ultimately results in the increased rates of energy efficiency upgrades in the municipalities of Central Europe.

Sustainability of the tool and its transferability to other territories and stakeholders

The results of the output could also be party transferred to the challenges and opportunities to improve energy efficiency of some other types of public sector infrastructure. To some extent, the funding sources and financing models are applicable for the financing retrofits of public buildings or upgrades of the public sector office equipment and infrastructure. Besides the key target group, i.e. municipalities, other beneficiaries such as energy service companies, equipment providers, and financing institutions may also benefit from the output replicating successful best practices identified in the output deliverables. Furthermore, the results could be applicable outside of CE region, in particular in other EU countries.

Lessons learned from the development/implementation process of the tool and added value of transnational cooperation

The availability of national public support programs for energy efficiency in street lighting varies with some countries having a wide range of programmes and some having no such support. Countries having little experience in organizing and providing such support will learn from the countries having it from our catalogue. The majority of best practices in using financing models for financing energy efficiency in street lighting were identified in Germany and Italy. To minimize the burden of financing energy efficiency of public infrastructure, other countries have a chance to learn through our best practice guide and guideline how to replicate these practices.

References to relevant deliverables and web-links
If applicable, pictures or images to be provided as annex

All deliverables are posted at the main project webpage at:
http://www.interreg-central.eu/Content.Node/Dynamic-Light/Guidelines-financial-models.html
The links to related publications are presentations are:
https://www.eceee.org/library/conference_proceedings/eceee_Summer_Studies/2017/3-local-action/financing-models-for-energy-efficient-street-lighting/