

# Smart Light Concepts

## Output 6

- Increase of the practical know-how about design and modelling of low carbon PL technologies and systems
- Lowering of the barriers in implementing and using these sustainable techniques.
- All pilot partners will use this knowledge in at least two new feasibility studies in 2021.
- From 2021, 15 management authorities per year have used this knowledge implementing new low carbon PL systems.

Project No. 2S03-014



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With the financial support of



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2 Seas Mers Zeeën

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**Revision history**

REVISION	DATE	AUTHOR	ORGANISATION	DESCRIPTION

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## 1. Introduction

- **Increase of the practical know-how about design and modelling of low carbon PL technologies and systems**
- **Lowering of the barriers in implementing and using these sustainable techniques.**
- **All pilot partners will use this knowledge in at least two new feasibility studies in 2021.**
- **From 2021, 15 management authorities per year have used this knowledge implementing new low carbon PL systems.**

## 2. Increase of the practical know-how about design and modelling of low carbon PL technologies and systems.

The project assisted partners while working with the feasibility study. Researchers observed the discussions and developed new versions. The number of changes and adaptations provided insights in the feasibility. It was a learning experience for all involved. The usability was evaluated, and results are included in the success and failures report, based on results collected via a survey.

All pilot partners managed to use the general format for feasibility study and conducted the study for their own cases and delivered the corresponding deliverables as reported in the application form. This was a relatively new exercise for them and it took some time to sort out what variables needed to be included. The usability was evaluated by concluding on success and failures, when the data collection was finished.

## 3. Lowering of the barriers in implementing and using these sustainable techniques.

Project partners have continuously shared experiences with each other and within their organisations. Other municipalities and the LP shared the best practices at conferences and through written articles. Feedback was collected and provided insights into the impact on breaking barriers for implementing and use of these sustainable techniques. The usability was evaluated, and results are included in the success and failures report, based on results collected via a survey.

All pilot partners managed to use the general format for feasibility study and conducted the study for their own cases. Fluvius, as key player in Flanders, collaborated in making the format. The usability was evaluated by concluding on success and failures, when the data collection was finished.

## 4. All pilot partners will use this knowledge in at least two new feasibility studies in 2021.

The feasibility study is made available to users and pilot partners during the beginning of the project. The final evaluated version is openly accessible, including a smart feedback system that enables the collection of user information and feedback. Using the collected information, researchers will be able to count the number of local/regional authorities that have used the study. The SLIC Impact questionnaire on the SLIC website will monitor usability and impact.

All pilot partners managed to use the general format for feasibility study and conducted the study for their own cases and delivered the corresponding deliverables as reported in the Application Form. The feasibility study is presented at the FC and a workshop was organized to interact with policy makers to discuss the usability. Best practices are shared at the FC and via written articles. The feasibility study is placed at the SLIC website, for other managing authorities to use.

The actual influence on policy making is difficult to access. Public Lighting is often a (not specified) part of the Public Space policy. No direct number can be calculated between use of knowledge and feasibility studies.

Fluvius indicated that will roll-out the installation of LED-lamps and SMART dimming scenarios and light intensity adjustments with all of the municipalities in Flanders, exceeding over 300 managing authorities. However, due to the closed financial system, no actual numbers on increase of investment can be given.

## 5. From 2021, 15 management authorities per year have used this knowledge implementing new low carbon PL systems.

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