



An European urban transition project towards more sustainable cities through innovative solutions, in the fields of mobility, energy and digital.

Smart City

Global project

Coordination: Cartif
European grant: 18 M€
30 partners, 6 countries
Period: Dec.2016 - Nov.2021
Demonstrators: Nantes, Hamburg, Helsinki

@mysmartlife_EU
<https://mysmartlife.eu/>

Nantes demonstrator site

Coordination: Nantes Métropole
European grant: 4,5 M€
10 partners

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Energy



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ACTION OVERVIEW



Monitoring (data collection) for the evaluation of actions

The **evaluation of the actions** implemented within the framework of the project is an **important step**. It allows the European Commission and the actors involved in the project to **assess the impacts of the actions** they have contributed to co-financing.

To this end, a **monitoring & data collection system** was set up for each action. This monitoring system is coordinated at the consortium level by CARTIF. Its local application involves Cerema and Nantes Métropole, as well as the leaders of each action. The entire evaluation process is the subject of several reports (D2.1, D2.18, D.5.1, 5.2, 5.3, D5.4, D5.5). Written in English, they are available at <https://mysmartlife.eu/publications-media/public-deliverables>

► OBJECTIVES

- › Collecting data to build evaluation indicators, to assess the impact of each action to enable its evaluation.
- › Ensure reliable, durable and consistent data collection across the consortium.
- › Supply Nantes Métropole's Urban Data Platform with monitoring data, where they are consolidated into a comprehensive evaluation dashboard.

► IMPLEMENTATION

CHALLENGE

As a demonstration project, the mySMARTLife project aims at experimenting in real conditions, urban innovations in the fields of mobility and energy by taking advantage of the opportunities offered by ICT and digital technology.

Before being generalized, these innovations have to be evaluated in order to verify that they deliver the expected results. It is also necessary to verify the conditions under which these actions can be replicated at a larger scale. This evaluation requires the collection of a large amount of data, which must be collected according to reliable protocols to be used properly. This is the purpose of the monitoring phase.

SOLUTIONS

Monitoring constitutes one of the steps in the evaluation process. This is the subject of a specific work package (WP5), which covers the evaluation of all the demonstration cities (Nantes, Hamburg, Helsinki).

Prior to the monitoring phase, i.e. the data collection phase itself, evaluation indicators (or KPIs for "Key Performance Indicators") were defined for each action (around ten or so). This made it possible to agree among consortium members on the calculation formulas, but also on the data to be collected through monitoring.

The data collected are of various kinds, depending on the objectives and technical constraints specific to each action. They can be data on temperature, energy production or consumption, distance travelled, frequentation, etc. Their collection frequency is also very heterogeneous (from a 10-minute frequency to biannually depending on the case).

