

MOBILITY, LCA AND ECONOMY OF FUNCTIONALITY AND COOPERATION

Loïc AUBREE, Aurélie MONTIGNY, (CRESGE, Université Catholique de Lille)
Romain DEMISSY, Olivier BLANDIN (ATEMIS)
Sébastien BOUCQ, (STRATéGREEN)

loic.aubree@univ-catholille.fr

The object of the research is, on the one hand, to help identify the dimensions of performance of use and territorial, and to co-construct mobility solutions based on the model of the economy of functionality and cooperation, on the other hand, to look for evaluation criteria and indicators inspired by the life cycle thinking. Observations and analyzes are inscribed in two territories: an urban territory with a density of actors and responses (the European Metropolis of Lille), a rural territory (Community of Southern Artois Communes) that has already conducted reflections on mobility.

The mobility sector is a relevant case study to explore different concepts specific to LCA and the economy of functionality: the environmental footprint associated with the use of means of transport and other stages of the life cycle; access to services and possession of property; public intervention and the satisfaction of needs by the market; interactions between public and private actors; complexity of the system with multiple components (transport vehicles, infrastructure, energy, tariffs, information, intermodality ...).

A workshop has been set up in the two territories with the participation of stakeholders in transport, mobility and accessibility (managers, operators, equipment managers, mobility generators or user representatives). These workshops, which meet five or six times, are organized around the following stages: definition of the common work object; highlighting issues and difficulties specific to the territory in terms of mobility; analysis of expected usage and territorial performance; identification of dimensions and evaluation criteria. In each of the two territories (EML, CSAC), the group focused on converging the research approach and support to a cooperative dynamic involving the mobility actors. In Lille, the workshop involves the operators involved in the various mobility solutions (public transport, car sharing, cycling, etc.) and works on the new mobility services. In Bapaume, the approach is focused on the issue of mobility and access to employment, with a group in which employment services are widely represented. On the basis of the work of the two workshops, analytical elements relating to the expected performance in terms of mobility, cooperation processes capable of improving the performance of the solutions and evaluation criteria and devices are identified. On this last point, the challenge is in particular to identify the contributions and limits of the life cycle thinking.