

D6.3 SOCIO-ECONOMIC EVALUATION OF THE AEOLIX SOLUTION

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Full deliverable available here: <http://aeolix.eu/deliverables/>

This deliverable presents the results of the Cost Benefit analysis performed for each Living Lab included in the AEOLIX project. The D6.3 Socio-Economic Evaluation of the AEOLIX solution is part of the work package dedicated to the evaluation: the aim to understand the results of the AEOLIX services and functions implemented in the different work environments that characterize the twelve Living Labs.

It is important to underline that this analysis takes place at the end of an evaluation process that accompanied the AEOLIX Living Labs for most of the duration of the project. In order to have a vision that grasps the completeness of the project, this deliverable should be included in a broader reading that includes all the other deliverables of the WP6.

Differently, in order to be able to catch the aspects related to the possibility of seeing the increase in the use of the AEOLIX services and functions, it would be important to read this deliverable as a starting point for the deliverables that deal with the AEOLIX exploitation. A particular attention should be given to the D8.5 Cost-Benefit Analysis, in which a Cost-Benefit analysis is presented for each service.

In this deliverable, through the performance of different calculations (i.e. the Net Present Value and the Benefit Cost Ratio), the relation between costs and benefits of each Living Lab is presented, analysed and explained in the light of some considerations that clarify the complexity of the project.

The CBA presented in this deliverable will show how AEOLIX has demonstrated to be a project that is able to be both flexible and solid. It is flexible, because the services and functions offered in AEOLIX are adaptable, versatile and modifiable according to the needs, situations and objectives of a specific working environment. It is solid because it has proved the numerous benefits that it is able to bring to the various situations that aim to improve organization, logistics and data exchange.

As it can be noticed by observing the results of the cost benefit analyses presented in this deliverable, some Living Labs reported higher financial benefits than others. There are numerous aspects to consider in order to explain these differences. Given the different objectives of the Living Labs, it was necessary to dwell not only on mere financial benefits but also on other aspects that can hardly have an economic response. For this reason, during this deliverable, not only the results related to the Cost Benefit Analysis will be presented, but also the results of a transversal analysis that aimed to take into consideration other areas of interest such as: the environment, the society, the service quality, the responsiveness, the efficiency of operation and the planning and overall performance. Therefore, combining the benefits found in these areas of interest with the purely economic benefits, it will be possible to have a holistic view of the AEOLIX results, which can be consulted individually for each Living Lab.

The Cost-Benefit Analysis presented in this deliverable reveals a Net Present Value of 1,963,120€ on average (consid-



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ering 10 years and a discount rate of 1%), and a Benefit-Cost Ratio of € 13.22 on average. This data immediately supports the understanding of the positive nature of the investment made within each LL for the AEOLIX project.

Overall, it is possible to conclude that the execution of the AEOLIX services and functions allow not just to cover the costs, but also to obtain an important economic return for all the LLs.

