

TEMPLATE

Output factsheet: Vouchering

Version 1

Project index number and acronym	CE1125, CIRCE2020
Lead partner	ARPAV
Output number and title	O.T4.3.3. Report of knowledge vouchering & simplified technical analysis
Responsible partner (PP name and number)	PI RERA SD
Project website	https://www.interreg-central.eu/Content.Node/CIRCE2020.html
Delivery date	30.07.2020

Summary description of the implemented training measure(s), explaining the specific goal(s) and target groups

The Knowledge Vouchering Workshop was held via virtual platform “Zoom” on Monday 25th May 2020 at 11:00 am. The Workshop was organized by PPs PI RERA SD and Čistoća CK for the utility company - Split Water and Sewerage Company Ltd. (ViK Split). ViK Split is a public company that provides water supply and sewerage services to four cities (Split, Solin, Kaštela and Trogir) and nine municipalities (Podstrana, Marina, Okrug, Klis, Muć, Dugopolje, Lećevica and Šolta). The first specific goal of the vouchering workshop was to share knowledge on the circular economy concept as well as LCA and LCC tool application in the secondary raw materials analysis, based on the example of CIRCE2020 Project. In order to reach this goal, the Čistoća CK lecturer presented key information on the LCA and LCC legislative framework, methodology, and application, together with practical examples. Furthermore, the second specific goal was to share knowledge on the application of LCA and LCC tools in water infrastructure management. In order to reach this goal, the PI RERA SD lecturer presented the possibilities for applying LCA and LCC tools in water infrastructure management, on the example of a pumping station inside the sewerage system. The special emphasises was put on the difference between the investment costs and life cycle costs of pumping stations. Moreover, some of the most popular LCA applications and solutions in managing sludge from wastewater treatment plants were presented as well.

NUTS region(s) where training(s) have been conducted (relevant NUTS level)

Split-Dalmatia County (HR035).

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

During the vouchering, special emphasis was put on the LCA and LCC tool application in water infrastructure management. Utility company - ViK Split has gained the opportunity to learn more about how the LCC analysis can be applied in water infrastructure, on the example of a pumping station inside the sewerage system, as well as to learn more about the most popular LCA applications and solutions in managing sludge from wastewater treatment plants. The main benefit of the held vouchering workshop for ViK Split can be seen in the significantly increased personnel's knowledge about the analytic, technical and organizational solutions available on the circular economy market. This newly gained knowledge will lead to further development and popularization of circular economy solutions as well as their application in ViK Split and other utility companies.

Sustainability of the training(s) and developed training material(s) and their transferability to other territories and stakeholders

The knowledge vouchering sought to provide an insight into the circular economy concept as well as LCA and LCC tool application in the secondary raw materials analysis and the possibilities for their application in water infrastructure management. PI RERA SD and Čistoća CK got involved in the event organization, helping to spread and share the knowledge gained through CIRCE2020 Project, with a special emphasizes on the LCA and LCC tools application. On the other hand, ViK Split representatives stressed that wastewater is rich with nutrients, nitrogen, and phosphatic compounds and that it should be treated as a resource not as waste. This led to the conclusion that the knowledge can be easily transferable to other utility companies in CE as well as to the companies in other territories as well. The sustainability and transferability will be ensured through the developed CIRCE2020 tools, especially WIKI WEB platform, MFA, LCC and LCA.

Lessons learned from the development and implementation of training measures and added value of transnational cooperation

The vouchering workshop increased the ViK Split representatives' awareness on circular economy and has introduced them to new information on developing activities related to circular economy in their business. Moreover, ViK Split representatives learned key information about the LCA and LCC legislative framework, methodology, and application, together with practical examples. Finally, they learned how the LCC analysis can be applied in water infrastructure. Both knowledge and experience gained from this training cycle was also exchanged between partners at a transnational level.

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

- DT.4.3.1. Transnational boot camp to prepare the national trainers appointed to train 5 new CE multiutilities
- DT.4.3.2. Knowledge vouchers to encourage 5 new multiutilities towards enhanced industrial symbiosis
- DT.4.3.3. Report of knowledge vouchering & simplified technical analysis
- D.T4.3.4 Work scope for thematic fertilization of Macroregional strategies & report for Steering group

For pictures, further info and images, please refer to the following websites:

<https://www.circe2020-wiki.eu/>

<https://www.interreg-central.eu/Content.Node/CIRCE2020.html>