

# TEMPLATE

## Output factsheet: Trainings

Version 1

<b>Project index number and acronym</b>	CE1125 CIRCE2020
<b>Lead partner</b>	ARPAV - Regional Agency for Environmental Protection and Prevention of Veneto
<b>Output number and title</b>	O.T4.2 Knowledge vouchering & external trainings to encourage the uptake of circular economy model
<b>Responsible partner (PP name and number)</b>	PP4 IFKA Public Benefit Non-profit Ltd. for the Development of Industry
<b>Project website</b>	<a href="https://www.interreg-central.eu/Content.Node/CIRCE2020.html">https://www.interreg-central.eu/Content.Node/CIRCE2020.html</a>
<b>Delivery date</b>	09.2020

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

A two-day online workshop of the CIRCE2020 project was held by IFKA on 4-5 June 2020 in Hungary. The Hungarian LCA Center Association helped to organise the event.

The aims of this event were:

- spreading the goals and results of the project and
- helping the participating companies and experts to understand the possibilities offered by the CIRCE2020 approach: how they can improve their activity towards a more circular economy and why to establish industrial collaborations with others.

The invitation reached hundreds of peoples via homepages and direct e-mails.

Fifty-five participants registered for the event and finally 36 of them joined the online workshop: teachers, professors of universities in Hungary, environmental experts, waste managers of companies, local government consultants, etc. The participants from industry were interested mainly in the solution options concerning waste reduction, selection of the best practices, identification of collaborators, etc., while participants from education and experts were interested in the developed procedures and their application.

These methodologies were presented:

- Material Flow Analysis (MFA)
- Life cycle Assessment - based on Product Environmental Footprint (LCA-PEF)
- Life Cycle Cost Assessment (LCC)
- Technology Rating Methodology (TRM)
- and decision making matrix.

The second day of the workshop was very practical because companies could present their waste management processes, challenges and the experts tried to find an alternative solution with using the tools which were developed during the CIRCE2020 project.

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

HU10, Central Hungary - HU101 - Budapest;  
HU 21 Central Transdanubia (Tatabánya)

The Hungarian pilot area, the Tatabánya Industrial Park is situated in the Central Transdanubia region. It is approximately 450 ha, out of which one third belongs to the public administration of Tatabánya and two thirds to Környe. Based on its area it is one of the largest industrial parks in Hungary. The area is characterized by the diverse variety of companies which are operating in the area, such as automotive, plastic industry, rubber industry, electronics, healthcare and logistic companies.

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

- Participant got more familiar to the methodologies and tools developed during the project
- At the end of the workshop, participants were able to share their experiences after 2 days training - what they learned, what was useful to them
- The training was successful, mainly due to the many positive feedbacks from the participants.
- Among the participants there were university teachers and they can hand over the knowledge and experiences to the students.
- get information about the real flow of waste streams (treatment, destination);
- identify problematic issues, challenges and needs in case of both perspectives;
- find synergies between companies;

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

During the discussions CIRCE2020 platforms and those contents were presented for them - such as e-cloud, wikiweb.

For those waste streams for which we did not find a solution during the workshop, they were included in a database and during other workshops will be introduced to enable the feedback for the companies.

The formats of the workshops and the training methodology can be easily transferred to other occasions.

Because of the COVID-19 the workshop was held via ZOOM.

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

- Good communication strategy and agenda is needed to get companies' attention and involve participants because representatives of companies are usually very busy.
- Bilateral and individual meetings are very effective because during these special meetings partners are more open to talk about the problems and constraints than in bigger groups.
- In Poznan, there were a conference and steering committee held on 16th and 17th October 2019 where project partners introduced their results on MFA, LCC, LCA. The summary of these introductions was also presented during the training for the participants.
- The hindering and promoting factors for the transition to a circular economy identified by the international consortium were also shared amongst the participants.
- LCA/LCC expert (Balazs Sara) of the whole CIRCE2020 project also participated and presented during the knowledge vouchering training. He gave an insight to the whole process as experienced even by the international project partners.

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

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

CIRCE2020 wikiweb: <https://www.circe2020-wiki.eu/home>

CIRCE2020 e-cloud: <https://circe2020.eu/>

D.T4.3.2. Knowledge vouchers to encourage 5 new multi-utilities towards enhanced industrial symbiosis

D.T4.3.3. Report of knowledge vouchering

Articles about invitation:

[https://ifka.hu/hu/article/virtualis\\_gyakorlati\\_trening\\_circe2020](https://ifka.hu/hu/article/virtualis_gyakorlati_trening_circe2020)

<https://lcacenter.hu/circe2020-trening/>

Article about the training

[https://ifka.hu/hu/article/tegyuk\\_korforgasossa\\_virtualis\\_gyakorlati\\_trening](https://ifka.hu/hu/article/tegyuk_korforgasossa_virtualis_gyakorlati_trening)