

TEMPLATE

Output factsheet: Trainings

Version 1

Project index number and acronym	CE1125 CIRCE2020
Lead partner	ARPAV - Regional Agency for Environmental Protection and Prevention of Veneto
Output number and title	O.T3.3 Trainings for practitioners for mutual learning about challenges & constrains experienced in pilot actions
Responsible partner (PP name and number)	PP4 IFKA Public Benefit Non-profit Ltd. for the Development of Industry
Project website	https://www.interreg-central.eu/Content.Node/CIRCE2020.html
Delivery date	06.2020

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

IFKA organized different types of discussions to identify the current issues, problems, challenges, constrains and also possible solutions to carry out the pilot actions on waste tires and composite plastic and to promote circular economy and the use of secondary materials.

Bilateral discussions and individual meetings were organized with the following companies and relevant stakeholders to get more information about companies' processes:

- tire waste collector company (1)
- tire waste incinerator (1)
- possible waste tire recycler companies (1)
- possible waste composite plastic recycler companies (2)

Matchmaking training was organized during the Hungarian environmental week on 28.11.2019. The event took place in the Hungarian pilot area - Tatabánya Industrial Park - where the participants got to know more about the transportation route of the collected waste, the landfill and the treatment process of the separately collected and mixed waste could be examined. After that a workshop was held to introduce the results of CIRCE2020 project and the pilot actions. Moreover, the participants introduced their problematic waste streams and material needs, after that we tried to find synergies between them.

A counselling service was initiated within an event organized on 25.11.2019 during the Hungarian Environmental week where 39 participants attended, including representatives of regional policy makers, waste utilities operators, SMEs and R&D sector. The main topic of the meeting was green public procurements and its role to foster the spread of circular economy business models. An active conversation developed between the participants and they shared the good examples, challenges and ideas regarding the topic.

Material recycling opportunities and handling challenges of the two waste streams from the Hungarian pilot area - tire residues and composite plastic - were discussed during a by-forum with involved waste experts held on 26.11.2019. In addition, the newest issues related to the product fee regulation were introduced by the representative of the relevant ministry. It has an effect on circular economy business models and industrial symbiosis connections.

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

The expected impacts and benefits of the trainings and meetings with the relevant companies were:

- get information about the real flow of waste streams (treatment, destination);
- identify problematic issues, challenges and needs in case of both perspectives;
- identify solutions for the waste recycling;
- identify the possible recipient companies;
- introduce the tools prepared during the project - MFA, TRM, LCA-PEF, LCC, MATRIX;
- find synergies between companies;
- share ideas about green public procurement practices as a tool for circular economy.

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

One part of the participants is involved in CIRCE2020 project as a donor or a recipient company. Therefore, IFKA is in active contact with these representatives. Other part of the participants came from outside of the project - forming other relevant stakeholder groups for circular economy. For these companies IFKA provided the project introduction, the contact data and the training materials freely. During the discussions all the CIRCE2020 platforms and their contents were presented for the participant - such as e-cloud, wikiweb.

Those waste streams raised by the participant for which no solution could be identified during the workshop, they were included in a database and during other workshops held in the future they 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. CIRCE2020 project results will always be amongst the good examples.

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.
- Hard to get real information about the waste streams, because usually managers of the involved companies participate in the workshops and they are not familiar to the waste streams and processes.
- 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.
- Manufacturer companies often just hand over their whole amount of waste to a waste collector company and they do not know more details about the way of their waste, e.g. exact process.
- Waste tire - especially un-vulcanized residues - are very problematic waste streams because it can stand together to an impracticable huge block.
- Green public procurement is a key issue to foster the spread of circular economy business models. There is a clear demand both the companies and the market for economically beneficial technologies, products and services.
- Implementing industrial symbiosis synergies in Hungary is not so easy because of:
 - Procedural complexity - waste as a secondary raw material in production must be validated in a laboratory to be used as a secondary raw material and a product data sheet must also be prepared.
 - Legislative restrictions - uncertainties regarding end of waste criteria
 - Companies do not have the necessary expertise and knowledge - they need to be assisted to find potential partners and to identify potential solutions

The added value of transnational cooperation:

- The methodologies and conclusions achieved by the partnership was introduced during these trainings, so the result of the transnational work was promoted amongst the participants
- The topic of identified problems, challenges were discussed during the Steering Committee meetings drawing the conclusion that partners face similar problems
- The methods of training were discussed with the international project partners enabling us to form a useful and effective process for matchmaking training and counselling services.
- IFKA has an experience in organizing matchmakings for companies to foster industrial symbiosis synergies so some practical advice were provided and introduced for the project partners about this methodology.

References to relevant deliverables and web-links

If applicable, pictures or images to be provided as annex

D.T3.1.1 Organization of a cycle of matchmaking trainings / coaching in each partners' regions

D.T3.1.2 Launch of 1 environmental counseling service

D.T3.1.4 1 by-product open forum (BY-Forum) created in each partners area

D.T3.1.5 Report about [Intercompany] knowledge Exchange & Transformation training

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

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

Matchmaking training during Environmental week in Tatabánya:

- article at IFKA's website: <https://ifka.hu/hu/article/Kornyezetvedelmi-het-circe2020>
- video: <https://drive.google.com/drive/u/0/folders/1eVzOcgXh3GJjUUIXCrdz2MS9iEptl4rF>

- article at environmental magazines' website: <https://www.zipmagazin.hu/circe2020-korforgasos-gazdasag-rendezyenyhet>; <https://ingreen.hu/kornyezetipar/circe2020-korforgasos-gazdasag-rendezyenyhet/?fbclid=IwAR3h4w4ie5FWLrwjrTZTFA3I5OhF9iVhta9KGFt3-gbkKv2ct0CBjbfUQg>