

OUTPUT FACT SHEET

Output factsheet: Trainings

Version 2

Project index number and acronym	CE 1125 CIRCE2020
Lead partner	ARPAV Veneto: Regional Agency for Environmental Prevention and Protection
Output number and title	OT4.2 Knowledge vouchering & external trainings to encourage the uptake of circular economy model
Investment number and title (if applicable)	
Responsible partner (PP name and number)	AM Trans Progres sp. z o.o., AMTP - 3
Project website	www.circe2020-wiki.eu
Delivery date	09.2020

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

The search for an enterprise ready to participate in knowledge vouchering was combined with business acceleration workshops. The first event (BAW) brought an invitation to a knowledge voucher addressed to a producer of pellets made of wood waste - Asket. The invitation was accepted, however due to the rapid changes in the market caused by Covid-19, the entrepreneur withdrew from the project.

The next event was addressed in the on-line formula to the manufacturer of courier envelopes, Plast - Farb. The entrepreneur is interested in developing his products in accordance with CE and Circular Plastic Alliance (CPA). The company was very interested in vouchering. It turned out that they were looking for tools that would confirm or verify the planned direction of development.

The manufacturer develops the production of courier envelopes from plastic waste regranulates and bio-polymers.

The proposed possibilities of analyzing the company's development turned out to be very beneficial. A series of trainings and workshops made it possible to get acquainted with the analytical tools developed by CIRCE2020.

- Material Flow Analysis
- Life Cycle Analysis
- Life Cycle Costing
- Networking.

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

The pilot actions was conducted in the Wielkopolska region in Poland
Below we present information according to the NUTS classification

NUTS 1 – PL 4; NUTS 2 – PL 41; NUTS 3 – PL 418

Investment costs (EUR), if applicable

Not applicable

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

An inventory model was developed that shows, inter alia, the level of material and energy consumption in relation to the tested envelopes. This model can be used in the future for the next research steps, and the consultations carried out made Plast-Farb employees aware of the specificity of collecting eco-balance data for the purposes of life cycle research.

The expected benefits for the vouchering partner are the knowledge exchange and training on the developed tools and results of CIRCE2020 for their specific regional needs.

As polymers regranulate converters Plast-Farb is very important partner in value chain developed under the Circular Plastic Alliance. Therefore, closing the loop with polymers waste stream is highly interesting. From the perspective of the CIRCE2020 project the transferability of the developed tools was tested successfully.

Sustainability of the trainings results and transferability to other territories and stakeholders.

As AMTP has the competences for the developed vouchering the training format will exist also after the project end of CIRCE2020.

To close the loop everybody must believe in the success. All participants in the supply chain must know that waste is recycled to the economy only when the product that will be produced from it finds a buyer and user.

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

Financial challenges turned out to be the most important barrier. The production of regranulate envelopes is more expensive, so customers have to accept slightly higher prices than in the case of products made of virgin material.

The behavior of regranulate suppliers is also a very important aspect. In order to obtain the highest quality products, it is necessary to exercise special care in the waste processing phase. To close the loop everybody must believe in the success. All participants in the supply chain must know that waste is recycled to the economy only when the product that will be produced from it finds a buyer and user.

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- **Material Flow Analysis**

MFA is important to check feasibility of new technologies. Therefore, in Plast-Farb case it has shown high potential of two cases.

- **Life Cycle Analysis**

LCA is a key when a new technology should replace another. There is a big potential in eco-friendly products.

- **Life Cycle Costing**

Whether a new technology is feasible is highly dependent on economic ratibility. New solutions in Plast-Farb case needs to be optimised.

- **Networking**

Is very important also in terms of efficiency. Know how from AMTP gives Plast-Farb a faster understanding of transition to CE.

Contribution to/ compliance with:

- relevant regulatory requirements
- sustainable development - environmental effects. In case of risk of negative effects, mitigation measures introduced
- horizontal principles such as equal opportunities and non-discrimination

Vouchering activity allowed to develop transferability into the Circular Economy model and comply with:

- basic concept of sustainable development adopted at the General Assembly of the United Nations (UN), entitled "Our Common Future.
- An EU action plan for the circular economy
- The Circular Plastics Alliance

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

D.T4.3.2 Knowledge vouchers to encourage 5 new multiutilities towards enhanced industrial symbiosis

D.T4.3.3 Report of knowledge vouchering & simplified technical analysis