

OUTPUT FACT SHEET

Pilot actions (including investment, if applicable)

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	Output O.T3.1; Pilot actions to test the business model and quality standards verifications - DTJ
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	30.12.2019
Summary description of the pilot action (including investment, if applicable) explaining its experimental nature and demonstration character	

The selection of pilot actions was based on various premises. The most important was the company's readiness to participate in the project. Another important element is understanding the changes in the global economy that pose new challenges, such as counteracting environmental changes, reducing the consumption of natural resources and reducing irretrievably lost waste. In addition, we paid attention to the needs of the region - the amount of waste generated and raw materials purchased.

Two companies processing plastics were selected – LDPE waste foil recycling. This enterprise was ready for broad cooperation.

The pilot action is carried out at DTJ sp.z o.o. It is a company dealing in the recycling of plastics - LDPE. As a result of production processes, waste, mixed plastics, is sent to a landfill. This material was impossible to continue using. The possibility of producing panels made of mixed plastics was analyzed. LCA, LCC and Matrix models were used. The company undertook works aimed at expanding the existing recycling line with elements enabling processing and production of mixed plastics. Thanks to the small investment, very significant results can be achieved - about 20% of incoming input being recycled and reused.

Currently, prototypes are undergoing research to checkup quality standards. At the end of the project, a product prototype will be created that has the chance to be further developed.

The DTJ is located in the Wielkopolska region. Pilot action is still ongoing, the output will be update in the next PR6.

NUTS region(s) concerned by the pilot action (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 pilot action for the concerned territory and target groups and leverage of additional funds (if applicable)

Project-related activities and pilot actions were widely presented in the discussion forum and meetings with S3 Managers. We took an active part in the "Smart Specialization Forum", which was a platform for preparing the region for RIS3. CE has become an important element in the planned regional development strategy. Plastic recycling is an important production branch in the Wielkopolska region. In addition, entrepreneurs processing plastics in the Wielkopolska region and in other regions of Poland have shown great interest in the use and possibility of using the tools developed by CIRCE2020 in development planning and investments. In the face of the EU strategy, which aims to significantly reduce plastic waste in the environment, pilot actions carried out in the Wielkopolska region are a very important factor affecting success.

Sustainability of the pilot action results and transferability to other territories and stakeholders.

The results of pilot actions, qualitative research and project activities are available on websites. Entrepreneurs and authorities participate in training and presentations with great interest. We were able to invite many participants to the discussion forum. They have the opportunity to exchange information, expand knowledge and exchange experiences. The effects of pilot actions are permanent. Dti implements solutions, prepares production, develop marketing strategies. Stakeholders can see the results of specific solutions undertaken by pilot actions.

We successfully managed to transfer interest in the solutions proposed in pilot actions to other regions. We have reached various regions in Poland and the region in Latvia. Everywhere we were able to widely present the project results and encourage entrepreneurs to use tools.

Lessons learned and added value of transnational cooperation of the pilot action implementation (including investment, if applicable)

The main conclusion is that entrepreneurs badly need access to such projects. These are activities that promote innovation and bring ready-made solutions for business development. In the face of climate change, CE is becoming a very important brand and business building factor. Thanks to the ability to reach project results, entrepreneurs noticed that new platforms for exchanging information and gaining knowledge about changing business conditions were created.

Entrepreneurs began to notice the great opportunities arising from participation in international projects. It opens them a chance for innovation and creativity.

In the context of trainings and meetings, we met with curiosity that international programs that support innovation and development, focused on CE issues, raise. Entrepreneurs were interested in the H2020, Interreg Baltic Sea and other programs.

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

Actions taken in pilot actions were carried out in accordance with applicable Polish and EU law. All investment, research and development activities were undertaken respecting the rules and regulations.

We paid particular attention to ensuring that solutions were sustainable and took into account the environment and society.

The proposed solutions are applicable everywhere, by any entrepreneur, they do not discriminate against any social group.

References to relevant deliverables (e.g. pilot action report, studies), investment factsheet and web-links

If applicable, additional documentation, pictures or images to be provided as annex

The Pilot Action refer to relevant deliverables (reports, studies):

- DT 1.4.2 - Local plan of intervention
- DT2.1.1 - Survey on market ready clean up techs
- DT 2.2.3 - LCA
- DT 2.3.3 - LCC
- DT 2.4.1 - Matrix
- DT 2.4.2 - analysis donors and recipients
- DT 2.4.3 - business model
- DC 5.2 - Environmental Week
- DT 3.1.4 - By-forum
- DT 3.1.5 - Intercompany exchange
- DT 3.2.4 - check up quality standards

The Pilot Action refer to relevant web-links:

- <https://www.interreg-central.eu/Content.Node/CIRCE2020.html>
- <https://www.circe2020-wiki.eu/home>
- <https://circe2020.eu/>

Images:

DT 3.2.2 – Infographics

