

MOVECO Project Presentation

21 OCTOBER 2021, S3CLUSTER FINAL CONFERENCE
MR.SC. IVANA OSTOIC, SUSTAINABLE SOLUTIONS

About MOVECO

“Your trash is my treasure”

This is the motto of the EU co-funded project MOVECO - Mobilising Institutional Learning for Better Exploitation of Research and Innovation for the Circular Economy. Sixteen partners from ten countries of the Danube region want to promote transnational cooperation to accelerate the transition to a circular economy.

The MOVECO consortium is working on topics like eco-design, producer responsibility and green innovation, supporting best practices in these areas.

Under the framework of the Danube Transnational Programme, MOVECO is an Interreg project, co-funded by the European Regional Development Fund (ERDF) and the Instrument for Pre-Accession Assistance (IPA).

The project duration is 12/2016-05/2019.



Scan the QR code or visit our website for more information:

www.interreg-danube.eu/moveco

MOVECO

Mobilising Institutional Learning for Better Exploitation of Research and Innovation for the Circular Economy

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To discover our **platform on circular economy** including a virtual marketplace for exchanging products and resources, please visit www.danube-goes-circular.eu

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MOVECO - Moving from a linear to a circular economy

"Your trash is my treasure" - This is the motto of the EU co-funded project MOVECO. Sixteen partners from ten Danube countries promote transnational cooperation to accelerate the transition to the circular economy.



Start date
08-12-2016

End date
31-08-2019

Budget in Euro
Overall: 2,203,277.54
ERDF Contribution: 1,742,829.37
IPA Contribution: 129,956.50
ENI Contribution: 0.00

Call number
Call 1

Priority
Innovative and socially responsible Danube region

Specific objective
Improve framework conditions for innovation

CIRCULAR ECONOMY INNOVATION TOOLS Qualification programme syllabus

Qualification Programme Handbook

Prepared by Monica Muresan, Iulia szekeres, Beatriz Arabela Ersjek | June 2018



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CIRCULAR TOOLBOX

Circular Economy Toolbox

This section presents our circular economy toolbox, including information, collaboration, qualification and financing tools to promote the transition towards a circular economy.



Information tools

MOVECO's brochure » **Your trash is my treasure** « displays best practice solutions for the circular economy in the Danube region. Enjoy reading - there is an **English, Bulgarian, Croatian, German, Hungarian, Romanian, Serbian, Slovenian and Slovak** version! To learn more about best practices in the Danube region countries, visit our section **Best practice**.



The checklist and fact sheets support small and medium-sized enterprises (SMEs) in the transition towards a circular economy. With the checklist, SMEs can figure out their status quo regarding the circular economy. The fact sheets support SMEs in gaining further knowledge about the circular economy. To learn more about the checklist and factsheets, [please click here](#).



In Germany, about 25 million cans of polyurethane (PU) foam are consumed per year.



PDR Recycling collects used PU foam cans at its 2,500 collection points nationwide.

80%

The material recovery rate of a PU foam can is approx. 80%. These regained raw materials are returned into the production cycle.

Closing the Loop: Innovative Recycling of PU Foam Cans

PDR has established an innovative technology to recycle PU foam cans. The company follows a holistic approach by recycling the can as well as its hazardous contents. This is unique on the European market.

PDR Recycling GmbH + Co KG

Am alten Sägewerk 3
95349 Thurnau
Germany
www.pdr.de

Over almost 25 years, PDR has gained extensive expertise in material- and substance-based recycling and recovery of diverse types of products. One core business of the medium-sized Bavarian company is the processing of used polyurethane (PU) foam cans.

PU foam is widely used for insulation and sealing by both industry professionals and individuals.

Classified as hazardous waste under German law, the empty PU foam cans must be recycled. PDR provides an industry solution so that the producing companies can fulfil their legal responsibility.

The used PU foam cans are collected throughout Germany before they are transported to PDR to be processed.

PDR has taken a pioneering role. The company can be proud of its holistic technology, with a recycling rate of more than 95%.

Five products are recovered



These five products are recovered from the returned cans: tin plate, liquified gas (TRIGAS®), plastic grist PE/PP, aluminium and prepolymer (PREPUR®).



ReVital: Collect. ReVitalize. ReUse

ReVital is a well-established project in Upper Austria that combats the throwaway mentality and promotes the circular economy. Its motto is “Repairing and reusing products instead of dumping them”.

ReVital

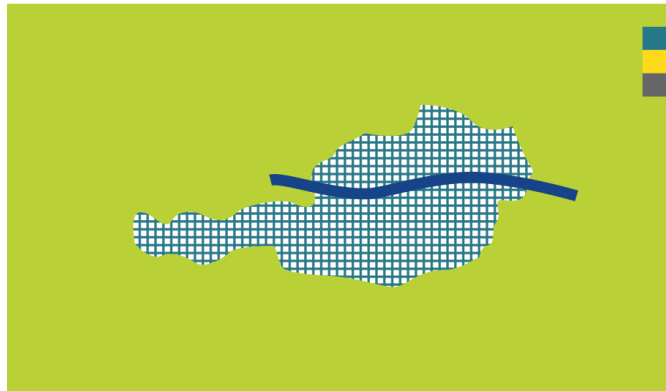
OÖ. Landesabfallverband

Schubertstraße 4/2

4020 Linz

Austria

www.revitalistgenial.at



Supported by the government of Upper Austria, ReVital has built up a large network of recycling centres, processing facilities and shops. People can bring their old products – like electrical appliances, furniture, household goods and sports equipment – to 108 local recycling centres. The products in good condition are collected and „revitalized“ at eight processing facilities, where employees repair and refurbish the products as needed.

ReVital is proud of its 20 partner shops in all districts of Upper Austria, where the second-hand products are sold at low prices.

The ReVital logo on the revitalized goods means that they meet high standards with regard to proper functioning, completeness, cleanliness and hygienic safety.

ReVital employs around 360 people, including 176 who were recently long-term unemployed. Hence, the project not only conserves resources and reduces environmental impacts; it also supports social integration and job creation by helping many people re-enter the job market.

Reusable cardboard box



Since 2015, this reusable cardboard box has let ReVital pre-collect smaller items in people's homes.



Scan QR-Code for more information

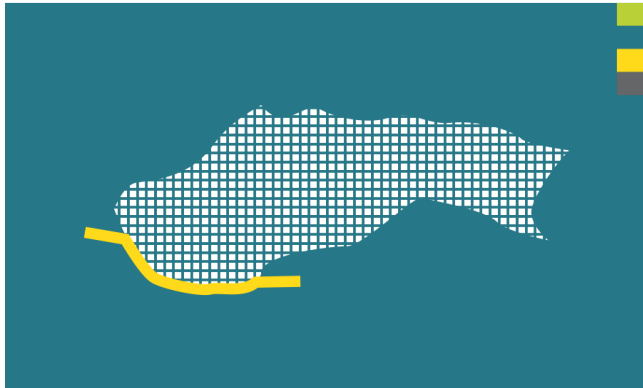
Circularity & Toothbrushes: CURAPROX Goes Green

“Ekovir” is an initiative started by the Slovak branch of the company CURADEN, known mostly for its CURAPROX toothbrushes. The initiative supports the circular economy and corporate social responsibility.

CURADEN Slovakia s.r.o.

Na Výslň 17
82105 Bratislava
Slovakia

www.curaprox.sk



Scan QR-Code for
more information

Within this initiative, the company has a project called “Kolokefka” in which used toothbrushes are collected and recycled to produce waste sorting bins, which are then donated to Slovak schools. The company also cooperates with NGOs to educate students on how to sort waste correctly.

The company has the ambitious goal of producing toothbrushes that are disposable in home composting. Ideally, they will also degrade in salt water to prevent marine pollution.

To realize this goal, the project “CURAPROX Goes Green” was launched in January 2017. The Slovak branch and its Swiss mother company cooperate with scientists and innovators to identify a renewable material that has properties similar to polypropylene and is biodegradable in regular composts. Most of the currently existing materials only degrade in industrial composters (at $T > 60^{\circ}\text{C}$).

Discovering such a bioplastic is a great challenge. But the first research results of the Slovak University of Technology seem promising. The company hopes to begin testing prototypes in 2018.

CURADEN collection boxes



The CURADEN collection boxes are accepted by consumers. A few thousand toothbrushes were collected within the first 3 months.



One tonne of glass made from waste saves more than one tonne of raw materials. Recycling one glass bottle saves the electricity needed to light a bulb for 4 hours.



By putting recycled glass back into production, zero waste is achieved. This only works if people deposit glass in designated containers.



Glass can be endlessly recycled without losing its properties. The Circular Economy Package of the European Commission



Thank you

MOVECO Project

Title: Mobilizing Institutional Learning for Better Exploitation of Research and Innovation for the Circular Economy

Acronym: MOVECO

Project code: DTP 1-349-1.1

Website: www.interreg-danube.eu/moveco

Start date: 01/2017

End date: 05/2019

Project co-funded by European Union funds (ERDF, IPA)

Budget in Euro: Overall Budget 2,268,691.00 EUR;
ERDF Contribution: 1,798,430,81 EUR; IPA Contribution: 129,956.50 EUR



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Thank you for your attention!



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EUROPEAN UNION

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