EGGER wood waste recycling



EGGER commissioned in Romania both a recycling facility at the production plant and public waste wood collection points to enable local waste wood flows.

Egger Romania invested in resource saving technology and included recycling in the process. Up to 18% of the wood used in Romanian factories are recycling material. They process waste wood from furniture, pallets, wooden packaging materials, construction and demolition, that meets the requirements of the applicable directives and inspection systems. The material is also inspected visually and contaminated wood is separated for thermal use. In Romania, the EGGER Group runs its own recycling enterprises under the name Timberpak.

Suitable recycled wood is processed there and used for chipboard production. Large volumes of by-products and recyclable wood are generated by the plants. The company upgrades them into materials or uses them to generate environmentally friendly heat and electricity. With EGGER wood-based materials, the company established good environmental performance of the urban wood material. The objective of a closed loop material cycle is, on the one hand, to reuse all waste and by products as efficiently as possible, and on the other hand, to make substances used in the product available again for production at the end of the product life cycle, by implementing optimal recycling. The possibility of a closed material cycle should be taken into account even during the preliminary stage of product planning in conjunction with product design. Re-use of materials that were already used in products and have passed through a usage phase. The great challenge is to separate materials so that they become again source materials for new products. The collection division of recycled wood and the recycling installation of wood from Romania are the EGGER's solution for a secondary, sustainable life cycle of materials based on wood.

The recycling wood quantities which were elaborated and recycled in 2016 by EGGER Romania replaced the potential of usage of 35,000 hectares of forests. The company has a unique wood recycling installation in Romania, dedicated and used exclusively for this purpose. At Romanian level, EGGER uses in average 17 % recycled wood for the production of panels based on wood in 2018. Last year, EGGER Romania reached a level of approximately 8 % and in the half of 2017, while in 2017 reach 15 % of recycled wood, and it was estimated a share of 17 % for the second half of 2017. The objective for 2020 is to recycle more

than 150,000 tonnes of materials based on wood, annually, equivalent to more than 30 % of the volume of wood from forest works, according to Ioan Banciu, technical director of EGGER Eastern Europe division.

DETAILS

ORIGIN OF WOOD
Deconstruction work

TYPE OF WOOD
Recycled or waste wood

KIND OF WOOD CONCERNED
Waste wood from furniture, pallets, wooden packaging materials, construction and demolition

IMPACT ON ENVIRONMENT & BIODIVERSITY
Replaced the potential of usage of 50,000 hectares of forests in Romania

INCOME EFFECT
N/A

EXPLOITATION POTENTIAL
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HUB
--

ECONOMIC IMPACT
24 mil € investment, cost effects 60 €/t

SPECIFIC KNOWLEDGE NEEDED
Sustainable product management, basic materials and environment.

MOBILIZATION POTENTIAL
100.000 tone/year

SUSTAINABILITY POTENTIAL - VALUE
--

EASE OF IMPLEMENTATION
Medium

EASE OF IMPLEMENTATION - EVALUATION
--

KEY PREREQUISITES
--

TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED
--

JOB EFFECT
50

COSTS OF IMPLEMENTATION (EURO - €)
--

MORE DETAILS

CHALLENGE ADDRESSED

6.- Grow the forest-based bioeconomy through circular use and value-added products

DOMAIN

Forest-based bio/circular economy

Wood energy industry

TYPE OF SOLUTION

Collaboration platforms, logistical hubs

KEYWORDS

recovered wood; waste wood; recycling; wood-based panels

DIGITAL SOLUTION

No

INNOVATION

Yes

COUNTRY OF ORIGIN

Romania

SCALE OF APPLICATION

National

START AND END YEAR

2016 - 2018

CONTACT DATA

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REFERENCES AND RESOURCES

MAIN WEBSITE

https://www.egger.com/shop/ro_RO/

PROJECT WEBSITE

www.woodcircus.eu

PROJECT REFERENCE

WoodCircus, Horizon 2020 no. 820892, 2018-2021

RESOURCES

EGGER - Good practice factsheet WoodCircus

LOGO OF BEST PRACTICE

LOGO OF MAIN ORGANIZATION

PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood 4.0

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Link to Rosewood 4.0

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