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.

DETTAGLI

ORIGINE DEL LEGNO
lavoro Deconstruction

TIPO DI LEGNO
Legno riciclato o usato

TIPO DI LEGNO IN QUESTIONE
Waste wood from furniture, pallets, wooden packaging materials, construction and demolition

IMPATTO SULL'AMBIENTE E LA BIODIVERSITà
Replaced the potential of usage of 50,000 hectares of forests in Romania

EFFETTO SUL REDDITO
N/A

POTENZIALE DI SFRUTTAMENTO
--

HUB
--

IMPATTO ECONOMICO
24 mil € investment, cost effects 60 €/t

CONOSCENZE SPECIFICHE NECESSARIE
Sustainable product management, basic materials and environment.

POTENZIALE DI MOBILITAZIONE
100.000 tone/year

POTENZIALE SOSTENIBILITà - VALORE
--

FACILITà DI IMPLEMENTAZIONE
Medium

FACILITà DI IMPLEMENTAZIONE - VALUTAZIONE
--

PREREQUISITI CHIAVE
--

TIPO DI EVENTO IN CUI QUESTO BPI è STATO PRESENTATO
--

EFFETTO SUL LAVORO
50

I COSTI DI ATTUAZIONE (EURO - €)
--

Più DETTAGLI

SFIDA RISOLTA

6. Far crescere bioeconomia foresta a base attraverso l'uso circolare e prodotti a valore aggiunto

DOMINIO

industrie forestali, bio / economia circolare industria energetica del legno

TIPO DI SOLUZIONE

piattaforme di collaborazione, hub logistici

PAROLE CHIAVE

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

SOLUZIONE DIGITALE

No

INNOVAZIONE

Sì

PAESE D'ORIGINE

Romania

SCALA DI APPLICAZIONE

Nazionale

INIZIO E FINE ANNO

2016 - 2018

CONTATTI

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REFERENCES AND RESOURCES

SITO PRINCIPALE

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

SITO WEB DEL PROGETTO

www.woodcircus.eu

PROGETTO DI RIFERIMENTO

WoodCircus, Horizon 2020 no. 820892, 2018-2021

RISORSE

EGGER - Good practice factsheet WoodCircus

LOGO DELLE MIGLIORI PRATICHE

LOGO DELLA PRINCIPALE ORGANIZZAZIONE

PROGETTO NELL'AMBITO DEL QUALE QUESTA SCHEDA è STATA CREATA

Rosewood 4.0

DATA DI INSERIMENTO

1 Ott 2019

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 862681

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY