ReWin

Development and commercialization of wooden windows made of old, discarded wood, with special emphasis on wooden beams

The operation reduces the amount of discarded wood, which is otherwise deposited at landfills or burned. A new service life is given to old wood and its lifetime is extended, which directly influence the prolongation of CO2 storage. The key sources of old wood will are defined, technological solutions for the use of such wood was developed and procedures for the production of windows were developed in cooperation with R&D institutions with an emphasis on the analysis of contaminated wood, physical properties of wood and the appropriate surface treatment of such products.

M Sora has developed a prototype of a timber window ReWin made of disposed timber. ReWin window is a unique example of a product that was developed by recycling the disposed timber that would otherwise end up at landfill, and represents a completely fresh idea and innovation in the field of builders' joinery.

DETAILS

ORIGIN OF WOOD

Deconstruction work

TYPE OF WOOD

Recycled or waste wood

KIND OF WOOD CONCERNED

Recycled wood, discarded wood

IMPACT ON ENVIRONMENT & BIODIVERSITY

Reuse of old wood

INCOME EFFECT

Positive / new technology

EXPLOITATION POTENTIAL

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HUB

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ECONOMIC IMPACT

Enhancement of regionally added value / more efficient working processes /active learning

SPECIFIC KNOWLEDGE NEEDED

Knowledge on wood properties and the appropriate surface treatment of

MOBILIZATION POTENTIAL

all well preserved construction wood

SUSTAINABILITY POTENTIAL - VALUE

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EASE OF IMPLEMENTATION

Funds and knowledge to develop windows from discarded wood

EASE OF IMPLEMENTATION - EVALUATION

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KEY PREREQUISITES

Funds and knowledge to develop window from discarded wood

TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED

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JOB EFFECT

Better qualified staff

COSTS OF IMPLEMENTATION (EURO - €)

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MORE DETAILS

CHALLENGE ADDRESSED

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

DOMAIN

Wood construction industry

Research and development

TYPE OF SOLUTION

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KEYWORDS

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DIGITAL SOLUTION

No

INNOVATION

No

COUNTRY OF ORIGIN

Slovenia

SCALE OF APPLICATION

Local

START AND END YEAR

2017 - 2018

CONTACT DATA

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REFERENCES AND RESOURCES

MAIN WEBSITE

http://www.m-sora.si/en/

PROJECT WEBSITE

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PROJECT REFERENCE

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RESOURCES

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Rosewood

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