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.

DETALHES

ORIGEM DA MADEIRA

Trabalhos de descontrução

TIPO DE MADEIRA

Madeira reciclada ou residuos

TIPO DE MADEIRA EM CAUSA

Recycled wood, discarded wood

IMPACTE NO AMBIENTE E BIODIVERSIDADE

Reuse of old wood

IMPACTE NAS RECEITAS

Positive / new technology

POTENCIAL DE EXPLORAçãO

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HUB

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IMPACTE ECONOMICO

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

CONHECIMENTOS ESPECIFICOS NECESSáRIOS

Knowledge on wood properties and the appropriate surface treatment of

POTENCIAL DE MOBILIZAçãO

all well preserved construction wood

SUSTENTABILIDADE POTENCIAL - VALOR

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FACILIDADE DE IMPLEMENTAçãO

Funds and knowledge to develop windows from discarded wood

FACILIDADE DE IMPLEMENTAçãO

--

PRE-REQUISITOS CHAVE

Funds and knowledge to develop window from discarded wood

TIPO DE EVENTO EM QUE ESTE BPI TEM SIDO APRESENTADO

--

IMPACTE NO EMPREGO

Better qualified staff

CUSTOS DE IMPLEMENTAçãO (EURO - EUR)

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MAIS DETALHES

DESAFIO ABORDADO

6. Fomentar a bioeconomia baseada na floresta através do uso circular e de produtos de valor acrescentado

DOMíNIO

Industria da madeira para construção

Investigação e desenvilvimento

TIPO DE SOLUçãO

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PALAVRAS-CHAVE

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SOLUçãO DIGITAL

Não

INOVAçãO

Não

PAíS DE ORIGEM

Eslovénia

ESCALA DE APLICAçãO

Local

ANO DE INíCIO E FIM

2017 - 2018

DADOS DE CONTACTO

PROPRIETáRIO OU AUTOR

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REPóRTER

Slovenian Forestry Institute

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REFERENCES AND RESOURCES

WEBSITE PRINCIPAL

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

WEBSITE DO PROJETO

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REFERêNCIA AO PROJETO

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RECURSOS

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PROJETO NO âMBITO DO QUAL A FOLHA DE DIVULGAçãO FOI CRIADA

Rosewood

DATA DE ENTRADA

27 Set 2019

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Link to Rosewood 4.0

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY