

# 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 CO<sub>2</sub> storage. The key sources of old wood will be 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

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### ORIGEM DA MADEIRA

Trabalhos de desconstrução

### TIPO DE MADEIRA

Madeira reciclada ou resíduos

### 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

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### PRE-REQUISITOS CHAVE

Funds and knowledge to develop window from discarded wood

### TIPO DE EVENTO EM QUE ESTE BPI TEM SIDO APRESENTADO

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### IMPACTE NO EMPREGO

Better qualified staff

### CUSTOS DE IMPLEMENTAÇÃO (EURO - EUR)

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wooden products

## MAIS DETALHES

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### DESAFIO ABORDADO

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

### PALAVRAS-CHAVE

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### PAÍS DE ORIGEM

Eslovénia

### DOMÍNIO

Industria da madeira para construção  
Investigação e desenvolvimento

### SOLUÇÃO DIGITAL

Não

### ESCALA DE APLICAÇÃO

Local

### TIPO DE SOLUÇÃO

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### INOVAÇÃO

Não

### ANO DE INÍCIO E FIM

2017 - 2018

## DADOS DE CONTACTO

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### PROPRIETÁRIO OU AUTOR

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### REPÓRTER

Slovenian Forestry Institute

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## REFERENCES AND RESOURCES

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### 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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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

