# 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.

1

#### **DETAILS**

ORIGIN OF WOOD MOBILIZATION POTENTIAL

Deconstruction work all well preserved construction wood

TYPE OF WOOD

Recycled or waste wood SUSTAINABILITY POTENTIAL - VALUE

--

KIND OF WOOD CONCERNED EASE OF IMPLEMENTATION

Recycled wood, discarded wood Funds and knowledge to develop windows from discarded wood

IMPACT ON ENVIRONMENT & BIODIVERSITY EASE OF IMPLEMENTATION - EVALUATION

Reuse of old wood -

INCOME EFFECT KEY PREREQUISITES

Positive / new technology Funds and knowledge to develop window from discarded wood

EXPLOITATION POTENTIAL TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED

\_

HUB JOB EFFECT

-- Better qualified staff

ECONOMIC IMPACT COSTS OF IMPLEMENTATION ( EURO - € )

Enhancement of regionally added value / more efficient working processes --

/active learning

SPECIFIC KNOWLEDGE NEEDED

Knowledge on wood properties and the appropriate surface treatment of

wooden products

MORE DETAILS \_\_\_\_\_ **CHALLENGE ADDRESSED** TYPE OF SOLUTION DOMAIN 6.- Grow the forest-based bioeconomy through Wood construction industry circular use and value-added products Research and development DIGITAL SOLUTION **KEYWORDS** INNOVATION No No SCALE OF APPLICATION **COUNTRY OF ORIGIN** START AND END YEAR Slovenia 2017 - 2018 Local CONTACT DATA

OWNER OR AUTHOR REPORTER
Slovenian Forestry Institute

info@m-sora.si polona.hafner@gozdis.si

REFERENCES
AND RESOURCES

MAIN WEBSITE RESOURCES

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

PROJECT WEBSITE

--

PROJECT REFERENCE

--

### PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood

### POST DATE

27 Sep 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



