

# Cascading use of wood



Wooden raw material is during production process in Spačva Ltd. fully utilized. In every processing step, one final product it is created, and potential of ash use as fertilizer is being researched.

Different parts of wood are used:

- bark as fuel for boiler-room,
- energy produced is used for biomass dryers, lumber and veneer dry kilns, steaming of logs and heating of press machine and industrial space,
- saw dust and leftovers are used for pellets production and low-quality veneer parts
- flitch residues, after veneer slicing, are dyed in drying kilns and processed in saw-mill,
- more quality parts are used for floors and doors production, while low quality parts and residues after precise cutting of the veneer are used for pellet and briquette production,
- veneer sheets are used for production of final products,
- elements from finishing saw-mill are used for floor and door production and its residues for briquette and pellet production.

In that way of production organization, efficiency in using of forest resources in the form of logs, is significantly increased.

As a result, company expended its product line, increased productivity, competitiveness and market share.

Still, there are opportunities for enhancement in new technologies and new possibilities for ash exploitation. Cogeneration project is in preparation for bringing additional cascade in cascading use of wood and to bring additional added value in this value chain. Also, there are possibilities for re-using and recycling of

final products as veneer, floors and doors after their end of lifetime.

## DETAILS

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### ORIGIN OF WOOD

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### TYPE OF WOOD

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### KIND OF WOOD CONCERNED

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### IMPACT ON ENVIRONMENT & BIODIVERSITY

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### INCOME EFFECT

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### EXPLOITATION POTENTIAL

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### HUB

South-East Hub

### ECONOMIC IMPACT

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### SPECIFIC KNOWLEDGE NEEDED

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### MOBILIZATION POTENTIAL

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### SUSTAINABILITY POTENTIAL - VALUE

Very Positive

### EASE OF IMPLEMENTATION

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### EASE OF IMPLEMENTATION - EVALUATION

Medium

### KEY PREREQUISITES

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### TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED

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### JOB EFFECT

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### COSTS OF IMPLEMENTATION ( EURO - € )

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## MORE DETAILS

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### CHALLENGE ADDRESSED

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

### KEYWORDS

Circular Economy  
bioeconomy.

### COUNTRY OF ORIGIN

Croatia

### DOMAIN

Forest-based bio/circular economy

### DIGITAL SOLUTION

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### SCALE OF APPLICATION

Local

### TYPE OF SOLUTION

Circular, bio-based products

### INNOVATION

No

### START AND END YEAR

2012 -

## CONTACT DATA

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### OWNER OR AUTHOR

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### REPORTER

Competence Centre Ltd. for research and development

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## REFERENCES AND RESOURCES

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### MAIN WEBSITE

<https://spacva.eu/>

### PROJECT WEBSITE

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### PROJECT REFERENCE

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### RESOURCES

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LOGO OF BEST PRACTICE

LOGO OF MAIN ORGANIZATION



PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

