

## WBV Logistics: Optimization of the timber harvest chains and mobilization in private forests – regions Holzkirchen, Rosenheim and Traunstein



Goal of the project was to improve the flow of information and of material in the timber supply process of the forestry associations (WBVs) Traunstein, Rosenheim and Holzkirchen. The following objectives were defined: Creation of an integrative model to increase the competitiveness of all stakeholders in the value-added chain (forest owner, WBVs, contractors, haulers, consumers of wood) Evaluation of different timber harvest chains in the frame of an actual state analysis based on important logistic indicators (i.a. lead times, accounting periods) Recording of organizational structures and of the technical equipment of the WBVs for the identification of the business process flow The study showed that especially in small private forests a clear process coordination is needed to fulfill customer demands while at the same time reducing idle time à consequent use of modern information and communication technology is very essential. In the implementation phase, changes were measured in two models: regional thinning events and the integration model. In the regional thinning events the following changes were recognized: The goal of a timber stack size of 50 m<sup>3</sup> obs could not be reached, in fact, it even decreased to a size below the size of the actual state analysis The share of highly mechanized harvesting methods in total logging increased from 28 % to 37 % (goal: 35 %) The lead time could be reduced from 49 to 38 days (goal: 35 days) The accounting time (end of transport until final billing) could be reduced from 39 to 25 days (goal: 30 days) due to the installation of 4 EDP-interfaces with customers (goal: 5 interfaces)

## DETALJI

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### PODRIJETLO DRVA

Šuma

### VRSTA DRVA

Deblo

### ODGOVARAJUĆA VRSTA DRVA

Stemwood

### UTJECAJ NA OKOLIŠ I BIORAZNOLIKOST

Positive on biodiversity and forest resilience enhancement

### UČINAK NA PRIHOD

more efficient working processes and cost reduction possibility identification

### POTENCIJAL ISKORISTIVOSTI

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### SREDIŠTE

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### GOSPODARSKI UČINAK

more efficient working processes

### POTREBNA POSEBNA ZNANJA

Staff have to be trained with IT-tools

### POTENCIJAL ZA POVEĆANJE UPORABE DRVA

Estimated 1 m<sup>3</sup>/ha through more efficient staff at forest owner association

### POTENCIJAL ODRŽIVOSTI - VRIJEDNOST

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### JEDNOSTAVNOST PROVEDBE

Medium

### JEDNOSTAVNOST PROVEDBE - EVALUACIJA

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### KLJUČNI PREDUVJETI

Using standard IT solutions and adopt existing organization to usage

### VRSTA DOGAĐAJA NA KOJEM JE PRIKAZAN OVAJ BPI

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### UČINAK NA ZAPOŠLJIVOST

Better qualified staff through project including results

### TROŠKOVI PROVEDBE (EURO - €)

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## VIŠE DETALJA

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### IZAZOV

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### KLJUČNE RIJEČI

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### ZEMLJA PODRIJETLA

Njemačka

### DOMENA

Sječa, infrastruktura, logistika

### DIGITALNO RJEŠENJE

Ne

### PODRUČJE PRIMJENE

Regionalno / podnacionalno

### VRSTA RJEŠENJA

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### INOVACIJA

Ne

### POČETAK I KRAJ GODINE

2003 - 2005

## REFERENCES AND RESOURCES

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### GLAVNA WEB STRANICA

<http://www.info->

[holz-mobilisierung.org/fileadmin/portale/allgemein/Publikationen\\_und\\_Arbeiten/2005-05\\_WBV-Logistik\\_Optimierung\\_der\\_Holzernteketten\\_Endbericht\\_01.pdf](http://www.info-holzmobilisierung.org/fileadmin/portale/allgemein/Publikationen_und_Arbeiten/2005-05_WBV-Logistik_Optimierung_der_Holzernteketten_Endbericht_01.pdf)

### WEB STRANICA PROJEKTA

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### REFERENCA PROJEKTA

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### IZVORI

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PROJEKT U OKVIRU KOJEG JE INFORMATIVNI LIST KREIRAN

Rosewood

DATUM UNOSA

15 stu 2019

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

