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 m³ 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-inferfaces with customers (goal: 5 interfaces)

DETALJER

VEDENS URSPRUNG
Skog

TRäTYP
Rundvirke

TYP AV TRä
Stemwood

PåVERKAN På MILJö & BIOLOGISK MåNGFALD
Positive on biodiversity and forest resilience enhancement

EKONOMISK EFFEKT
more efficient working processes and cost reduction possibility identification

KOMMERSIELL POTENTIAL
--

NAV
--

EKONOMISK PåVERKAN
more efficient working processes

SPECIFIKA KUNSKAPSBEHOV
Staff have to be trained with IT-tools

MOBILISERINGSPOTENTIAL
Estimated 1 m³/ha through more efficient staff at forest owner association

HåLLBARHETS POTENTIAL - VäRDE
--

ENKEL IMPLEMENTERING
Medium

ENKEL IMPLEMENTERING - UTVäRDERING
--

NYCKEL FöRUTSäTTNINGAR
Using standard IT solutions and adopt existing organization to usage

TYP AV EVENEMANG DäR DENNA BPI HAR PRESENTERATS
--

EFFEKT ANTAL ANSTäLLDA
Better qualified staff through project including results

KOSTNADER FöR IMPLEMENTERING (EURO - €)
--

MER INFORMATION

UTMANING SOM ADRESSERAS

--

DOMäN

Avverkning, infrastruktur, logistik

TYPE AV LöSNING

--

NYCKELORD

--

DIGITAL LöSNING

Nej

INNOVASION

Nej

UPPHOVSLAND

Tyskland

POTENTIAL

Regional/landsdel

START OCH SLUTåR

2003 - 2005

REFERENCES AND RESOURCES

HEMSIDA (HUVUDSIDA)

http://www.info-holzmobilisierung.org/fileadmin/portale/allgemein/Publikationen_und_Arbeiten/2005-05_WBV-Logistik_Optimierung_der_Holzernteketten_Endbericht_01.pdf

RESURSER

--

PROJEKTETS HEMSIDA

--

PROJEKTREFERENS

--

PROJEKT SOM DETTA FACTSHEET SKAPATS INOM

Rosewood

DATUM FöR INLäGG

15 nov 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