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)

DETAILS

HERKUNFT DES HOLZES
Wald

ART DES HOLZES
Stammholz

ART DES BETROFFENEN HOLZES
Stemwood

AUSWIRKUNGEN AUF UMWELT UND BIODIVERSITäT
Positive on biodiversity and forest resilience enhancement

EINKOMMENSEFFEKT
more efficient working processes and cost reduction possibility identification

VERWERTUNGSPOTENZIAL
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NABE
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WIRTSCHAFTLICHE AUSWIRKUNGEN
more efficient working processes

SPEZIFISCHES WISSEN ERFORDERLICH
Staff have to be trained with IT-tools

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

POTENZIAL FüR NACHHALTIGKEIT - WERT
--

LEICHTE IMPLEMENTIERUNG
Medium

LEICHTE IMPLEMENTIERUNG - BEWERTUNG
--

WICHTIGE VORAUSSETZUNGEN
Using standard IT solutions and adopt existing organization to usage

ART DER VERANSTALTUNG, AUF DER DIESE BPI VORGESTELLT WURDE
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ARBEITSPLATZEFFEKT
Better qualified staff through project including results

KOSTEN DER IMPLEMENTIERUNG (EURO - €)
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MEHR DETAILS

ANGESPROCHENE HERAUSFORDERUNG

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SCHLüSSELWöRTER

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HERKUNFTSLAND

Deutschland

DOMäNE

Holzernte, Infrastruktur, Logistik

DIGITALE LöSUNG

Nein

UMFANG DER ANWENDUNG

Regional/sub-national

ART DER LöSUNG

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INNOVATION

Nein

ANFANGS- UND ENDJAHR

2003 - 2005

REFERENCES AND RESOURCES

HAUPT-WEBSITE

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

PROJEKT-WEBSITE

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PROJEKT-REFERENZ

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RESSOURCEN

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PROJEKT, IN DESSEN RAHMEN DIESES FACTSHEET ERSTELLT WURDE

Rosewood

BEITRAGSDATUM

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