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)

DéTAILS

ORIGINE DU BOIS
Forêt

TYPE DE BOIS
Grume

TYPE DE BOIS CONCERNé
Stemwood

IMPACT SUR L'ENVIRONNEMENT ET LA BIODIVERSITé
Positive on biodiversity and forest resilience enhancement

EFFET SUR LE REVENU
more efficient working processes and cost reduction possibility identification

POTENTIEL D'EXPLOITATION
--

HUB
--

IMPACT éCONOMIQUE
more efficient working processes

CONNAISSANCES SPéCIFIQUES REQUISES
Staff have to be trained with IT-tools

POTENTIEL DE MOBILISATION
Estimated 1 m³/ha through more efficient staff at forest owner association

POTENTIEL DE DURABILITé - VALEUR
--

FACILITé D'IMPLéMENTATION
Medium

FACILITé D'IMPLéMENTATION - ÉVALUATION
--

PRéREQUIS CLéS
Using standard IT solutions and adopt existing organization to usage

TYPE D'éVéNEMENT Où CETTE ICPE A éTé PRéSENTéE
--

EFFET SUR L'EMPLOI
Better qualified staff through project including results

COûTS D'IMPLéMENTATION (EURO - €)
--

PLUS DE DéTAILS

DéFI CONCERNé

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DOMAINE

Récolte, infrastructure, logistique

TYPE DE SOLUTION

--

MOTS-CLéS

--

SOLUTION DIGITALE

Non

INNOVATION

Non

PAYS D'ORIGINE

Allemagne

ECHELLE D'APPLICATION

Régionale/subnationale

DéBUT ET FIN D'ANNéE

2003 - 2005

REFERENCES AND RESOURCES

SITE WEB PRINCIPAL

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

SITE WEB DU PROJET

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RéFéRENCE DU PROJET

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RESSOURCES

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PROJET SOUS LEQUEL CETTE FICHE D'INFORMATION A éTé CRééE

Rosewood

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