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)

DETALLES

ORIGEN DE LA MADERA
Bosque

TIPO DE MADERA
Madera en rollo

TIPO DE MADERA AFECTADA
Stemwood

IMPACTO EN EL MEDIO AMBIENTE Y LA BIODIVERSIDAD
Positive on biodiversity and forest resilience enhancement

EFECTO SOBRE LOS INGRESOS
more efficient working processes and cost reduction possibility identification

POTENCIAL DE EXPLOTACIóN
--

HUB
--

IMPACTO ECONóMICO
more efficient working processes

CONOCIMIENTOS ESPECíFICOS NECESARIOS
Staff have to be trained with IT-tools

POTENCIAL DE MOVILIZACIóN
Estimated 1 m³/ha through more efficient staff at forest owner association

POTENCIAL DE SOSTENIBILIDAD - VALOR
--

FACILIDAD DE APLICACIóN
Medium

FACILIDAD DE IMPLEMENTACIóN - EVALUACIóN
--

PREREQUISITOS CLAVE
Using standard IT solutions and adopt existing organization to usage

TIPO DE EVENTO EN EL QUE SE HA PRESENTADO ESTA IFS
--

EFECTO SOBRE EL EMPLEO
Better qualified staff through project including results

COSTES DE IMPLEMENTACIóN (EURO - €)
--

MáS DETALLES

RETO ABORDADO

--

DOMINIO

Aprovechamiento, infraestructura, logística

TIPO DE SOLUCIóN

--

PALABRAS CLAVE

--

SOLUCIóN DIGITAL

No

INNOVACIóN

No

PAíS DE ORIGEN

Alemania

ESCALA DE APLICACIóN

Regional/sub-nacional

AñO DE INICIO Y FIN

2003 - 2005

REFERENCES AND RESOURCES

SITIO WEB PRINCIPAL

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

SITIO WEB DEL PROYECTO

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REFERENCIA DEL PROYECTO

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RECURSOS

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PROYECTO BAJO EL QUE SE HA CREADO ESTA FICHA

Rosewood

FECHA DE MENSAJE

15 Nov 2019

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Link to Rosewood 4.0

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