VISCAN-Portable: A new grading machine for local structural timber



The strength grading of timber is mandatory for structural uses. Most of the sawmills in the area are small or medium-sized enterprises that cannot acquire an automatic classification line because of the very high costs. For this reason it was decided to develop a new portable machine, with significantly reduced costs, which could be shared between the sawmill of the territory. The new grading machine was design starting from the technology ViSCAN of Microtec With these results, it becomes possible to introduce the machine strength grading among small/medium sawmills. Thanks to this new opportunity the companies can enjoy advantages both in terms of quantitative yields and efficiency in the classification. On the other hand, the portability of the machine is an interesting stimulus to its possible spread: neighboring sawmill could share the purchase or lease the equipment, reducing the amount of initial investment and operating costs. This sharing mode is well suited also to a non-continuous production of lumber. The machine was then set on the timber species present in the FMMF territory already used or potentially suitable for construction: ViSCAN-portable was officially certified as strength grading machine on March 2014. At the same date the settings for Douglas fir and black pine were approved, while for fir and chestnut they were approved on October 2014. Some local sawmills have already used the machine to grade their sawnwood for structural uses, but the VISCAN-portable has also been requested by other Italian regions, especially to grade chestnut timber.

DéTAILS

ORIGINE DU BOIS
Forêt

TYPE DE BOIS
Grume

TYPE DE BOIS CONCERNé
sawnwood

IMPACT SUR L'ENVIRONNEMENT ET LA BIODIVERSITé
Implementation of the use of underutilized species as sawnwood

EFFET SUR LE REVENU
Added value to the raw material with consequently higher incomes for the sawmills

POTENTIEL D'EXPLOITATION
--

HUB
--

IMPACT éCONOMIQUE
Improvement of grading yields

CONNAISSANCES SPéCIFIQUES REQUISES

POTENTIEL DE MOBILISATION
N/A

POTENTIEL DE DURABILITé - VALEUR
--

FACILITé D'IMPLéMENTATION
N/A

FACILITé D'IMPLéMENTATION - ÉVALUATION
--

PRéREQUIS CLéS
Knowledge of the technical regulation on strength grading for structural uses

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

EFFET SUR L'EMPLOI
Increase of the manufacture of local products with a consequent improvement for the supply chain and the whole sector

COûTS D'IMPLéMENTATION (EURO - €)
--

Need of short training for use

PLUS DE DéTAILS

DéFI CONCERNé

--

DOMAINE

Getsion forestière, sylviculture, services écosystémiques, résilience

TYPE DE SOLUTION

--

MOTS-CLéS

--

SOLUTION DIGITALE

Non

INNOVATION

Oui

PAYS D'ORIGINE

Italie

ECHELLE D'APPLICATION

Nationale

DéBUT ET FIN D'ANNéE

2014 -

INFORMATIONS DE CONTACT

PROPRIéTAIRE OU AUTEUR

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RAPPORTEUR

REFERENCES AND RESOURCES

SITE WEB PRINCIPAL

http://www.ivalsa.cnr.it

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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