

Productivity models for harvesting processes (HeProMo)



HeProMo

HeProMo is an IT-based tool to predict the costs of timber harvesting scenarios under different aspects such as harvester logging. It allows certain settings to reflect the real situations in the forest. It provides preliminary costing and sensitivity analysis.

HeProMo is an IT-based tool to predict the costs of timber harvesting scenarios under different aspects such as harvester logging. It allows certain settings to reflect the real situations in the forest. It provides preliminary costing and sensitivity analysis. estimation of productivity and cost for wood harvesting operations (preliminary costing). Writing and controlling offers for wood harvesting operations. Estimation of variables and their importance (sensitivity analysis). Well suitable for application in teaching , education and research to identify key contributing factors and assessment of their influence on the results. The productivity model (HeProMo) predicts quickly and with a good accuracy the costs for concrete timber harvesting scenarios. It allows the identification of optimization possibilities. The application is quite easy to handle and gives a solid basis for good economic choices.

PLUS DE DÉTAILS

DÉFI CONCERNÉ	DOMAINE	TYPE DE SOLUTION
5. Accroître les performances économiques et environnementales de la chaîne logistique forestière	Gestion forestière, sylviculture, services écosystémiques, résilience Récolte, infrastructure, logistique	Modélisation, DSS, simulation, optimisation
MOTS-CLÉS	SOLUTION DIGITALE	INNOVATION
Cost estimation; harvesting scenarios; sensitivity analysis	Oui	Oui
PAYS D'ORIGINE	ECHELLE D'APPLICATION	DÉBUT ET FIN D'ANNÉE
Suisse	Nationale	--

INFORMATIONS DE CONTACT

PROPRIÉTAIRE OU AUTEUR

Eidgenössische Forschungsanstalt WSL

Oliver Thees

oliver.thees@wsl.ch

<https://www.wsl.ch/en/about-wsl/locations/contact-and-maps.html>

RAPPORTEUR

BFH Berne University of Applied Sciences

Moritz Dreher

moritzkaspar.dreher@bfh.ch

REFERENCES AND RESOURCES

SITE WEB PRINCIPAL

<https://www.wsl.ch/en/about-wsl/locations/contact-and-maps.html>

SITE WEB DU PROJET

--

RÉFÉRENCE DU PROJET

--

RESSOURCES

--

PROJET SOUS LEQUEL CETTE FICHE D'INFORMATION A été CRééE

Rosewood 4.0

DATE DE PUBLICATION

12 août 2021



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

