

Productivity models for harvesting processes (HeProMo)



ROSEWOOD
4.0 Sustainable Wood
for Europe

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 , eductaion and research to identify key contributing factors and assessmen of their influence on the results. The productivity model (HeProMO) predicts quickly and with a good accuracy the costs for concrete timber harvestin scenarios. It allows the identification of optimization possibilities. The application is quite easy to handle and gives a solid basis for good economic choices.

MEHR DETAILS

ANGESPROCHENE HERAUSFORDERUNG	DOMÄNE	ART DER LÖSUNG
5. Verbesserung der wirtschaftlichen und ökologischen Leistung der forstwirtschaftlichen Forstlieferketten	Waldmanagement, Waldbau, Ökosystemleistungen, Resilienz	Modellierung, DSS, Simulation, Optimierung
SCHLÜSSELWÖRTER	Holzernte, Infrastruktur, Logistik	INNOVATION
Cost estimation; harvesting scenarios; sensitivity analysis	DIGITALE LÖSUNG Ja	Ja
HERKUNFTSLAND	UMFANG DER ANWENDUNG	ANFANGS- UND ENDJAHR
Schweiz	National	--

KONTAKTDATEN

EIGENTÜMER ODER AUTOR	REPORTER
Eidgenössische Forschungsanstalt WSL	BFH Berne University of Applied Sciences
Oliver Thess	Moritz Dreher
oliver.thees@wsl.ch	moritzkaspar.dreher@bfh.ch
https://www.wsl.ch/en/about-wsl/locations/contact-and-maps.html	

REFERENCES AND RESOURCES

HAUPT-WEBSITE	RESSOURCEN
https://www.wsl.ch/en/about-wsl/locations/contact-and-maps.html	--
PROJEKT-WEBSITE	--
PROJEKT-REFERENZ	--

PROJEKT, IN DESSEN RAHMEN DIESES FACTSHEET ERSTELLT WURDE

Rosewood 4.0

BEITRAGSDATUM

12 Aug. 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

