

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.

MAIS DETALHES

DESAFIO ABORDADO	DOMÍNIO	TIPO DE SOLUÇÃO
5. Melhorar o desempenho económico e ambiental das cadeias de abastecimento florestal	Gestão florestal, silvicultura, serviços do ecossistema, resiliencia Cortes, infraestruturas e logistica	Modelação, sistemas de apoio à decisão, simulação, optimização
PALAVRAS-CHAVE	SOLUÇÃO DIGITAL	INOVAÇÃO
Cost estimation; harvesting scenarios; sensitivity analysis	Sim	Sim
PAÍS DE ORIGEM	ESCALA DE APLICAÇÃO	ANO DE INÍCIO E FIM
Suíça	Nacional	--

DADOS DE CONTACTO

PROPRIETÁRIO OU AUTOR

Eidgenössische Forschungsanstalt WSL

Oliver Thees

oliver.thees@wsl.ch

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

REPÓRTER

BFH Berne University of Applied Sciences

Moritz Dreher

moritzkaspar.dreher@bfh.ch

REFERENCES AND RESOURCES

WEBSITE PRINCIPAL

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

WEBSITE DO PROJETO

--

REFERÊNCIA AO PROJETO

--

RECURSOS

--

PROJETO NO ÂMBITO DO QUAL A FOLHA DE DIVULGAÇÃO FOI CRIADA

Rosewood 4.0

DATA DE ENTRADA

12 Ago 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



□