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 , 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 accurancy 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.

MORE DETAILS

DOMAIN	TYPE OF SOLUTION
Forest management, ecosystem, resilience	Modelling, simulation, optimization
Harvesting, infrastructure, logistics	
DIGITAL SOLUTION	INNOVATION
Yes	Yes
SCALE OF APPLICATION	START AND END YEAR
National	
	Forest management, ecosystem, resilience Harvesting, infrastructure, logistics DIGITAL SOLUTION Yes

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REFERENCES AND RESOURCES

MAIN WEBSITE	RESOU
https://www.wsl.ch/en/about-wsl/locations/contact-and-maps.html	
PROJECT WEBSITE	

PROJECT REFERENCE

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RESOURCES

PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood 4.0

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY



