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.

MAIS DETALHES

DESAFIO ABORDADO

5. Melhorar o desempenho económico e ambiental das cadeias de abastecimento florestal

DOMíNIO

Gestão florestal, silvicultura, serviços do ecosistema, resiliencia

Cortes, infraestruturas e logistica

TIPO DE SOLUçãO

Modelação, sistemas de apoio à decisão, simulaçã, optimização

PALAVRAS-CHAVE

Cost estimation; harvesting scenarios; sensitivity analysis

SOLUçãO DIGITAL

Sim

INOVAçãO

Sim

PAíS DE ORIGEM

Suíça

ESCALA DE APLICAçãO

Nacional

ANO DE INíCIO E FIM

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REFERENCES AND RESOURCES

WEBSITE PRINCIPAL

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

WEBSITE DO PROJETO

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REFERêNCIA AO PROJETO

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RECURSOS

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PROJETO NO âMBITO DO QUAL A FOLHA DE DIVULGAçãO FOI CRIADA

Rosewood 4.0

DATA DE ENTRADA

12 Ago 2021

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