

# 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.

## MÁS DETALLES

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### RETO ABORDADO

5. Mejorar el rendimiento económico y medioambiental de las cadenas de suministro forestal

### PALABRAS CLAVE

Cost estimation; harvesting scenarios; sensitivity analysis

### PAÍS DE ORIGEN

Suiza

### DOMINIO

Gestión forestal, silvicultura, servicios ecosistémicos, resiliencia

Aprovechamiento, infraestructura, logística

### SOLUCIÓN DIGITAL

Sí

### ESCALA DE APLICACIÓN

Nacional

### TIPO DE SOLUCIÓN

Modelización, DSS, simulación, optimización

### INNOVACIÓN

Si

### AÑO DE INICIO Y FIN

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## DATOS DE CONTACTO

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### PROPIETARIO O AUTOR

Eidgenössische Forschungsanstalt WSL

Oliver Thees

[oliver.thees@wsl.ch](mailto:oliver.thees@wsl.ch)

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

### REPORTADOR

BFH Berne University of Applied Sciences

Moritz Dreher

[moritzkaspar.dreher@bfh.ch](mailto:moritzkaspar.dreher@bfh.ch)

## REFERENCES AND RESOURCES

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### SITIO WEB PRINCIPAL

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

### SITIO WEB DEL PROYECTO

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### REFERENCIA DEL PROYECTO

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### RECURSOS

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PROYECTO BAJO EL QUE SE HA CREADO ESTA FICHA

Rosewood 4.0

FECHA DE MENSAJE

12 Ago 2021

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

