

# Productivity models for harvesting processes (HeProMo)



HeProMo is an IT-based tool to predict the costs of timber harvesting for different harvesting scenarios under different aspects such as harvester logging. It allows certain settings to reflect the real situations in the forest. It offers a big information yield in the fields of preliminary costing and sensitivity analysis

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

Estimation of productivity and cost for wood harvesting operations (preliminary costing). Writing and controlling of offers for wood harvesting operations.

Estimation about 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

## DETALHES

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**ORIGEM DA MADEIRA**

Floresta

**TIPO DE MADEIRA**

Tronco

**POTENCIAL DE MOBILIZAÇÃO**

- 10 m<sup>3</sup>/ha

**TIPO DE MADEIRA EM CAUSA**

Stemwood

**FACILIDADE DE IMPLEMENTAÇÃO**

Easy

**IMPACTE NO AMBIENTE E BIODIVERSIDADE**

Positive

**FACILIDADE DE IMPLEMENTAÇÃO**

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**IMPACTE NAS RECEITAS**

Positive

**PRE-REQUISITOS CHAVE**

Knowledge in silviculture

**POTENCIAL DE EXPLORAÇÃO**

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**TIPO DE EVENTO EM QUE ESTE BPI TEM SIDO APRESENTADO**

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**HUB**

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**IMPACTE NO EMPREGO**

Positive

**IMPACTE ECONOMICO**

Enhances competitiveness

**CUSTOS DE IMPLEMENTAÇÃO (EURO - EUR)**

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**CONHECIMENTOS ESPECÍFICOS NECESSÁRIOS**

Knowledge in silviculture and handling with IT-tools

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**MAIS DETALHES**

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DESAFIO ABORDADO	DOMÍNIO	TIPO DE SOLUçãO
--	Gestão florestal, silvicultura, serviços do ecosistema, resiliencia	--
PALAVRAS-CHAVE	SOLUçãO DIGITAL	INOVAçãO
--	Não	Não
PAÍS DE ORIGEM	ESCALA DE APLICAçãO	ANO DE INÍCIO E FIM
Suíça	Nacional	2003 - 2016

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**DADOS DE CONTACTO**

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**PROPRIETáRIO OU AUTOR** **REPÓRTER**

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**REFERENCES AND RESOURCES**

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**WEBSITE PRINCIPAL** **RECURSOS**

<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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PROJETO NO âMBITO DO QUAL A FOLHA DE DIVULGAÇÃO FOI CRIADA

Rosewood

DATA DE ENTRADA

16 Set 2019

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY



Centro de Servicios y Promoción Forestal  
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