

# 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

## DETAILS

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**HERKUNFT DES HOLZES**

Wald

**ART DES HOLZES**

Stammholz

**MOBILISIERUNGSPOTENZIAL**

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

**ART DES BETROFFENEN HOLZES**

Stemwood

**LEICHTE IMPLEMENTIERUNG**

Easy

**AUSWIRKUNGEN AUF UMWELT UND BIODIVERSITÄT**

Positive

**LEICHTE IMPLEMENTIERUNG - BEWERTUNG**

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**EINKOMMENSEFFEKT**

Positive

**WICHTIGE VORAUSSETZUNGEN**

Knowledge in silviculture

**VERWERTUNGSPOTENZIAL**

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**ART DER VERANSTALTUNG, AUF DER DIESE BPI VORGESTELLT WURDE**

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**NABE**

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**ARBEITSPLATZEFFEKT**

Positive

**WIRTSCHAFTLICHE AUSWIRKUNGEN**

Enhances competitiveness

**KOSTEN DER IMPLEMENTIERUNG (EURO - €)**

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**SPEZIFISCHES WISSEN ERFORDERLICH**

Knowledge in silviculture and handling with IT-tools

## MEHR DETAILS

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ANGESPROCHENE HERAUSFORDERUNG	DOMÄNE	ART DER LÖSUNG
--	Waldmanagement, Waldbau, Ökosystemleistungen, Resilienz	--
SCHLÜSSELWÖRTER	DIGITALE LÖSUNG	INNOVATION
--	Nein	Nein
HERKUNFTSLAND	UMFANG DER ANWENDUNG	ANFANGS- UND ENDJAHR
Schweiz	National	2003 - 2016

## KONTAKTDATEN

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## REFERENCES AND RESOURCES

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HAUPT-WEBSITE	RESSOURCEN
<a href="https://www.wsl.ch/en/about-wsl/locations/contact-and-maps.html">https://www.wsl.ch/en/about-wsl/locations/contact-and-maps.html</a>	--

## PROJEKT-WEBSITE

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## PROJEKT-REFERENZ

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PROJEKT, IN DESSEN RAHMEN DIESES FACTSHEET ERSTELLT WURDE

Rosewood

BEITRAGSDATUM

16 Sep 2019

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This project has received funding from the European Union's Horizon  
2020 research and innovation programme under grant agreement No.

862681

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

