


## Description of best practice

Best practice	
Title	Productivity models for harvesting processes (HeProMo)
Picture	
Domain	Sustainable management and planning
Source of wood	Stemwood
Location	Switzerland
Implementers	Swiss Federal Institute for Forest, Snow and Landscape Research (WSL)
Actual status	Since 2003 (updated version available since 2016)
Approach	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
Main results	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
Lessons learned	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
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Code	BP_CH_02

## Best practice assessment

Region	Switzerland
Time scale	2003 - 2016
Mobilization Potential	- 10 m <sup>3</sup> /ha
Kind of wood concerned	Stemwood
Sustainability Potential	Medium
Impact on environment & biodiversity	Positive
Ease of implementation	Easy
Economic impact	Enhances competitiveness
Job effect	Positive
Income effect	Positive
Specific knowledge needed	Knowledge in silviculture and handling with IT-tools
Costs of implementation	Few hours, low
Technical readiness level	Immediately applicable
Key information for adoption	Knowledge in silviculture