

Description of best practice

Best practice		
Title	Forest growing model (SiWaWa 2.0)	
Picture	SiWaWa	
Domain	Sustainable management and planning	
Source of wood	Stemwood	
Location	Switzerland	
Implementers	SiWaWa has been elaborated by JP. Schütz (former Prof. silviculture ETH) in collaboration with A. Zingg (WSL)	
Actual status	closed in 2018	
Approach	SiWaWa 2.0 is a simple developed new forest growth simulation model for practitioner (Android-App). SiWaWa needs only the number of the stems [N], the basal area per hectare [G] of a certain stand to generate separated the stem distribution curve according to the DBH-classes	
Main results	 Free available Android-App, which could be used in the following fields: 1. Strategy: Goal dimension of the trees, cutting time 2. Care concept: Coordination of harvesting time, optimization of productivity 3. Measurements: Urgency and priority 4. Analysis: Starting point and forest development without interventions. Definition of intervention measures and simulation 	
Lessons learned	SiWaWa 2.0 supports the decision makers in two aspects: Silvicultural and forest planning. It supports the foresters in a better understanding of the state point and forest development	
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Link to	http://siwawa.org/wiki/index.php?title=Hauptseite&oldid=404
website	
Code	BP_CH_06



Best practice assessment

Region	Switzerland
Time scale	- 2018
Mobilization Potential	1 – 2 m³/ha
Kind of wood concerned	Stemwood
Sustainability Potential	Very poitive
Impact on environment	Positive
& biodiversity	
Ease of implementation	Medium
Economic impact	Approx. 10 €/ha
Job effect	Positive
Income effect	Positive
Specific knowledge needed	IT-tool application knowledge
Costs of implementation	Few working hours
Technical readiness level	Immediately applicable
Key information for	Silvicultural knowledge needed (Android-App)
adoption	