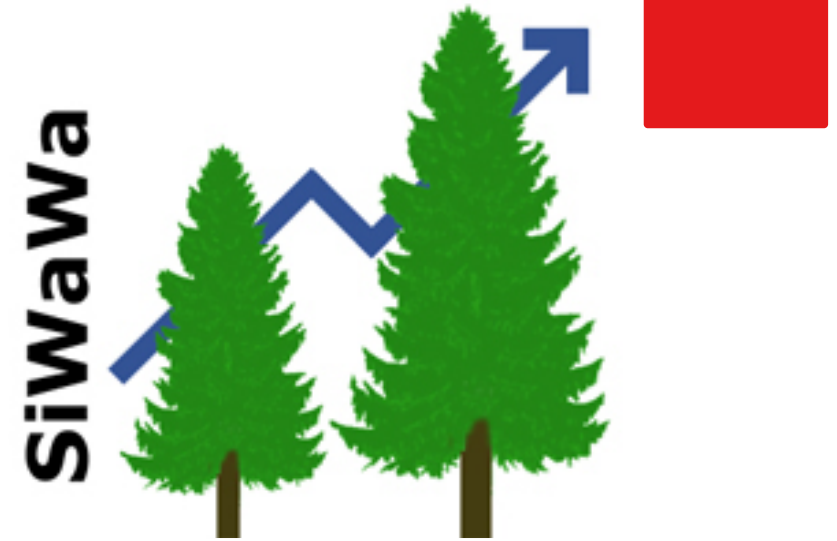


SiWaWa 2.0 - Forest growing model



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. 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

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

DETAILS

ORIGIN OF WOOD

Forest

TYPE OF WOOD

Stemwood

KIND OF WOOD CONCERNED

Stemwood

IMPACT ON ENVIRONMENT & BIODIVERSITY

Positive

INCOME EFFECT

Positive

EXPLOITATION POTENTIAL

--

HUB

--

ECONOMIC IMPACT

Approx. 10 €/ha

SPECIFIC KNOWLEDGE NEEDED

IT-tool application knowledge

MOBILIZATION POTENTIAL

1 – 2 m³/ha

SUSTAINABILITY POTENTIAL - VALUE

--

EASE OF IMPLEMENTATION

Medium

EASE OF IMPLEMENTATION - EVALUATION

--

KEY PREREQUISITES

Silvicultural knowledge needed (Android-App)

TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED

--

JOB EFFECT

Positive

COSTS OF IMPLEMENTATION (EURO - €)

--

MORE DETAILS

CHALLENGE ADDRESSED	DOMAIN	TYPE OF SOLUTION
1.- Improve forest resilience and adaption to climate change	Forest management, ecosystem, resilience	--
KEYWORDS	DIGITAL SOLUTION	INNOVATION
--	No	No
COUNTRY OF ORIGIN	SCALE OF APPLICATION	START AND END YEAR
Switzerland	National	2018 - 2018

CONTACT DATA

OWNER OR AUTHOR	REPORTER
-----------------	----------

christian.rosset@bfh.ch

REFERENCES AND RESOURCES

MAIN WEBSITE	RESOURCES
http://siwawa.org/wiki/index.php	--
PROJECT WEBSITE	
--	
PROJECT REFERENCE	
--	

PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood

POST DATE

16 Sep 2019



[Link to Rosewood 4.0](#)



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 862681

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

