Forest growing model (SiWaWa 2.0)

SiWaWa 2.0

A simple 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.

A simple 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. 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. 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.

MAI MULTE DETALII

PROVOCARE ABORDATă

5. Îmbunătățirea performanțelor economice și de mediu ale lanțurilor de aprovizionare cu păduri

DOMAIN

Managementul pădurilor, silvicultura, servicii ecosistemice, reziliență

Educație și training

TIP DE SOLUțIE

Modelare, DSS, simulare, optimizare

CUVINTE CHEIE

Simulation; Growth; App

SOLUțIE DIGITALă

Da

INOVAțIE

Da

ȚARA DE ORIGINE

Elveţia

SCARA DE APLICARE

Național

ANUL DE îNCEPUT șI DE SFâRșIT

--

DATE DE CONTACT

PROPRIETAR SAU AUTOR

BFH Berne University of Applied Sciences

Christian Rosset

christian.rosset@bfh.ch

REPORTER

BFH Bern University of Applied Sciences

Moritz Dreher

moritzkaspar.dreher@bfh.ch

REFERENCES AND RESOURCES

PAGINă WEB

http://siwawa.org/wiki/index.php

WEBSITE PROJECT

--

REFERINță PROIECT

--

RESURSE

--

PROIECTUL îN CADRUL CăRUIA A FOST CREATă ACEASTă FIșă INFORMATIVă

Rosewood

DATA POSTăRII

12 Aug 2021

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