

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.

VIAC INFORMÁCIÍ

RIEŠENÁ VÝZVA

5. Zlepšenie hospodárskej a environmentálnej výkonnosti dodávateľských reťazcov v lesníctve

Kľúčové SLOVá

Simulation; Growth; App

KRAJINA PôVODU

Švajčiarsko

DOMAIN

Lesné hospodárstvo/hospodárska úprava lesa, pestovanie lesa, ekosystémové služby, odolnosť

Vzdelávanie a odborná príprava

DIGITALNE RIEŠENIE

áno

ROZSAH APLIKÁCIE

Národný

TYP RIEŠENIA

Modelovanie, simulácia, optimalizácia

INOVÁCIE

Áno

ZAČIATOK A KONIEC ROKA

--

KONTAKTNÉ ÚDAJE

VLASTNÍK ALEBO AUTOR

BFH Berne University of Applied Sciences

Christian Rosset

christian.rosset@bfh.ch

REPORTÉR

BFH Bern University of Applied Sciences

Moritz Dreher

moritzkaspar.dreher@bfh.ch

REFERENCES AND RESOURCES

HLAVNÁ WEBSTRÁNKA

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

PROJEKTOVÁ WEBSTRÁNKA

--

REFERENCIA PROJEKTU

--

ZDROJE

--

PROJEKT, V RÁMCI KTORÉHO BOL TENTO INFORMAČNÝ PREHĽAD VYTVORENÝ

Rosewood

DÁTUM ODOSLANIA

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



□