

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.

MAIS DETALHES

DESAFIO ABORDADO

5. Melhorar o desempenho económico e ambiental das cadeias de abastecimento florestal

DOMÍNIO

Gestão florestal, silvicultura, serviços do ecossistema, resiliencia
Educação e formação

TIPO DE SOLUÇÃO

Modelação, sistemas de apoio à decisão, simulação, optimização

PALAVRAS-CHAVE

Simulation; Growth; App

SOLUÇÃO DIGITAL

Sim

INOVAÇÃO

Sim

PAÍS DE ORIGEM

Suíça

ESCALA DE APLICAÇÃO

Nacional

ANO DE INÍCIO E FIM

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DADOS DE CONTACTO

PROPRIETÁRIO OU AUTOR

BFH Berne University of Applied Sciences

Christian Rosset

christian.rosset@bfh.ch

REPÓRTER

BFH Bern University of Applied Sciences

Moritz Dreher

moritzkaspar.dreher@bfh.ch

REFERENCES AND RESOURCES

WEBSITE PRINCIPAL

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

WEBSITE DO PROJETO

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REFERÊNCIA AO PROJETO

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RECURSOS

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PROJETO NO ÂMBITO DO QUAL A FOLHA DE DIVULGAÇÃO FOI CRIADA

Rosewood

DATA DE ENTRADA

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY



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