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.

MáS DETALLES

RETO ABORDADO

5. Mejorar el rendimiento económico y medioambiental de las cadenas de suministro forestal

DOMINIO

Gestión forestal, silvicultura, servicios ecosistémicos, resiliencia

Educación y formación

TIPO DE SOLUCIóN

Modelización, DSS, simulación, optimización

PALABRAS CLAVE

Simulation; Growth; App

SOLUCIóN DIGITAL

Sí

INNOVACIóN

Si

PAíS DE ORIGEN

Suiza

ESCALA DE APLICACIóN

Nacional

AñO DE INICIO Y FIN

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REFERENCES AND RESOURCES

SITIO WEB PRINCIPAL

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

SITIO WEB DEL PROYECTO

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REFERENCIA DEL PROYECTO

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RECURSOS

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PROYECTO BAJO EL QUE SE HA CREADO ESTA FICHA

Rosewood

FECHA DE MENSAJE

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