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.

MORE DETAILS

CHALLENGE ADDRESSED

5.- Enhance economic and environmental performance of forest supply chains

DOMAIN

Forest management, ecosystem, resilience Education and training

TYPE OF SOLUTION

Modelling, simulation, optimization

KEYWORDS

Simulation; Growth; App

DIGITAL SOLUTION

Yes

INNOVATION

Yes

COUNTRY OF ORIGIN

Switzerland

SCALE OF APPLICATION

National

START AND END YEAR

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REFERENCES AND RESOURCES

MAIN WEBSITE

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

PROJECT WEBSITE

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PROJECT REFERENCE

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RESOURCES

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

cesefor
Centro de Servicios y Promoción Forestal
y de su Industria de Castilla y León

EFI