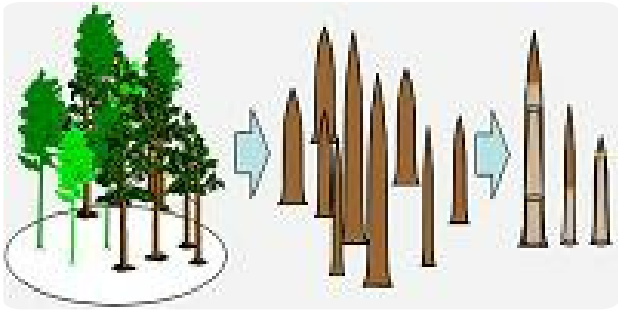
Assortment simulator (SorSim)



IT-based simulation (SorSim) for revenue estimation for single trees or tree stands. Modelling of the stem form, height, diameter at breast height (DBH) from tree species. Supports decision makers in production- and utilization processes

SorSim is an IT based tool which allows to predict values on single tree-level and tree stands

SorSim allows an adequate calculation of the revenues of single trees and tree stands with the information’s of quality, quantity and the assortment. The information basis includes: tree species, tree age (height), stem-form

DETAILS

ORIGIN OF WOOD

Forest

TYPE OF WOOD

Stemwood

KIND OF WOOD CONCERNED

Stemwood

IMPACT ON ENVIRONMENT & BIODIVERSITY

Positive

INCOME EFFECT

Positive

EXPLOITATION POTENTIAL

--

HUB

--

ECONOMIC IMPACT

Lowers costs and enhances revenues

SPECIFIC KNOWLEDGE NEEDED

Silvicultural knowledge

MOBILIZATION POTENTIAL

- 10 m³/ha

SUSTAINABILITY POTENTIAL - VALUE

--

EASE OF IMPLEMENTATION

Easy

EASE OF IMPLEMENTATION - EVALUATION

--

KEY PREREQUISITES

Knowledge about key figures of single trees and tree stands

TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED

--

JOB EFFECT

Positive

COSTS OF IMPLEMENTATION (EURO - €)

--

MORE DETAILS

CHALLENGE ADDRESSED

--

DOMAIN

Forest management, ecosystem, resilience

TYPE OF SOLUTION

--

KEYWORDS

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DIGITAL SOLUTION

No

INNOVATION

No

COUNTRY OF ORIGIN

Switzerland

SCALE OF APPLICATION

National

START AND END YEAR

2012 - 2020

CONTACT DATA

OWNER OR AUTHOR

REPORTER

renato.lemm@wsl.ch

REFERENCES AND RESOURCES

MAIN WEBSITE

https://www.wsl.ch/en/projects/sortimentsimulator-sorsim.html

RESOURCES

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PROJECT WEBSITE

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PROJECT REFERENCE

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PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood

POST DATE

16 Sep 2019

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY