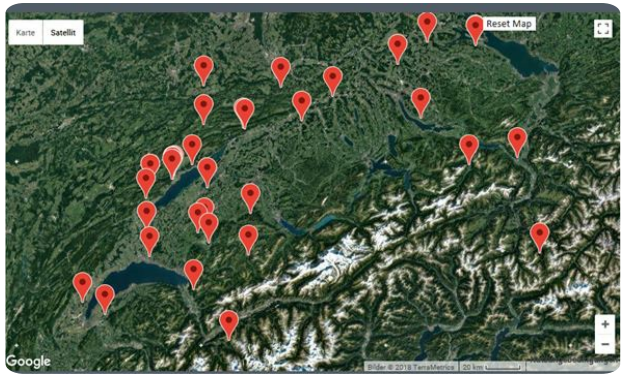
Marteloscopes | Demo plots for silvicultural training of forestry practicionners



Martelosopes are silvicultural demo plots used to train the decision-making capabilities in the context forest management approaches and silvicultural interventions based on transparent data.

The marteloscope plots have exact defined surfaces with each tree numbered and measured for long-term studies. Using software and mobile devices, the demo concept allows direct feedback on silvicultural decisions and related ecological and economic effects during training. Evaluation of different management strategies and their consequences can be objectively discussed by forest practitioners, authorities, decision makers, scientists or other interested groups directly on site. Silviculture is based on scientific principles. With well-documented observation plots and marteloscopes, we provide instructive visual and practice objects and also learn ourselves from their development. The aim is to preserve silvicultural knowledge and make it accessible for practice.

DETAILS

ORIGIN OF WOOD

Forest

TYPE OF WOOD

Stemwood

KIND OF WOOD CONCERNED

Stemwood

IMPACT ON ENVIRONMENT & BIODIVERSITY

Better decisions lead to more appropriate results and thereby environment and biodiversity issues can be addressed more precisely

INCOME EFFECT

Positive

EXPLOITATION POTENTIAL

--

HUB

--

ECONOMIC IMPACT

- 10€/ha

SPECIFIC KNOWLEDGE NEEDED

Silvicultural knowledge

MOBILIZATION POTENTIAL

1 – 2 m³/ha

SUSTAINABILITY POTENTIAL - VALUE

--

EASE OF IMPLEMENTATION

Easy

EASE OF IMPLEMENTATION - EVALUATION

--

KEY PREREQUISITES

On every plot the same indicators have to be elevated

TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED

--

JOB EFFECT

Positive

COSTS OF IMPLEMENTATION (EURO - €)

--

MORE DETAILS

CHALLENGE ADDRESSED

4.- Ensure a well-trained workforce through attractive skills development and education

DOMAIN

Forest management, ecosystem, resilience

TYPE OF SOLUTION

Training, educational actions

KEYWORDS

Marteloscope; silviculture training; didactical tool

DIGITAL SOLUTION

No

INNOVATION

No

COUNTRY OF ORIGIN

Switzerland

SCALE OF APPLICATION

National

START AND END YEAR

2011 -

CONTACT DATA

OWNER OR AUTHOR

Fachstelle Waldbau, Bildungszentrum Wald Lyss

Peter Ammann

ammann@bzwlyss.ch

https://www.waldbau-sylviculture.ch/94_martelo_d.php

REPORTER

BFH Berne University of Applied Sciences

Moritz Dreher

moritzkaspar.dreher@bfh.ch

REFERENCES AND RESOURCES

MAIN WEBSITE

http://www.waldbau-sylviculture.ch

PROJECT WEBSITE

--

PROJECT REFERENCE

--

RESOURCES

--

LOGO OF BEST PRACTICE

LOGO OF MAIN ORGANIZATION



PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood 4.0

POST DATE

16 Sep 2019

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

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