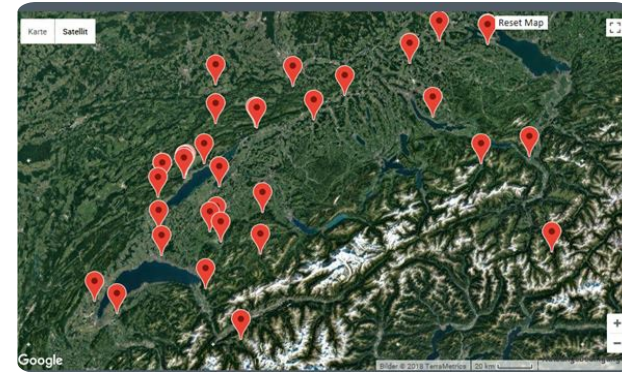# Marteloscopes | Demo plots for silvicultural training of forestry practicionners



*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**

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**HUB**

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**ECONOMIC IMPACT**

- 10€/ha

**SPECIFIC KNOWLEDGE NEEDED**

Silvicultural knowledge

**MOBILIZATION POTENTIAL**

1 – 2 m³/ha

**SUSTAINABILITY POTENTIAL - VALUE**

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**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 - € )**

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## 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**

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## REFERENCES AND RESOURCES

**MAIN WEBSITE**

http://www.waldbau-sylviculture.ch

**PROJECT WEBSITE**

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**PROJECT REFERENCE**

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**RESOURCES**

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## PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood 4.0

## POST DATE

16 Sep 2019

## 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