



Marteloscope Manager Workshop – Bonn 28-29.06.2022

martelage.sylvothque.ch to support education in close-to-nature, multiple purposes and sustainable forest ecosystem management

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martelage.sylvotheque.ch is an online platform to train for tree marking in a great variety of situations. It includes a documentation, quantitative and visual (through photospheres), of training areas. This application works best with Google Chrome.

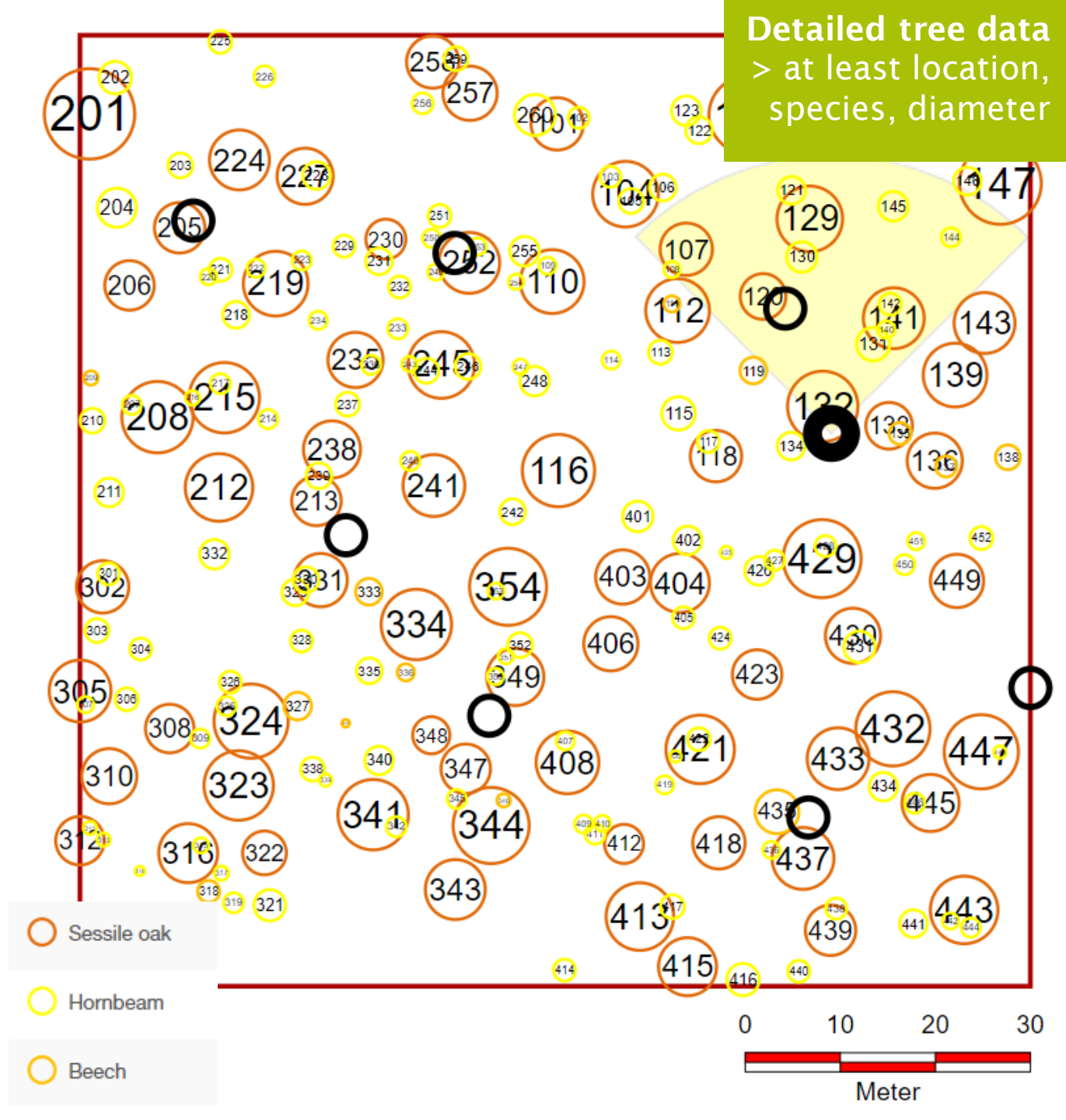
150+ silvicultural observation and training plots

Virtual tour | Tour with tree positions and panoramas | Tour with tree positions | Tour with panoramas

TOURS



High-resolution
photospheres
> 360° panoramas



martelage.sylvothque.ch (MSC) to support education in close-to-nature, multiple purposes and sustainable forest ecosystem management



Tree marking and sharing in multiple and diverse situations

Observation skills to sharpen and enhance forest ecosystem perception



Understanding and representation of **forest dynamic** and **silvicultural treatment effects**

Concept thinking
> coordination over time of goal oriented silvicultural interventions



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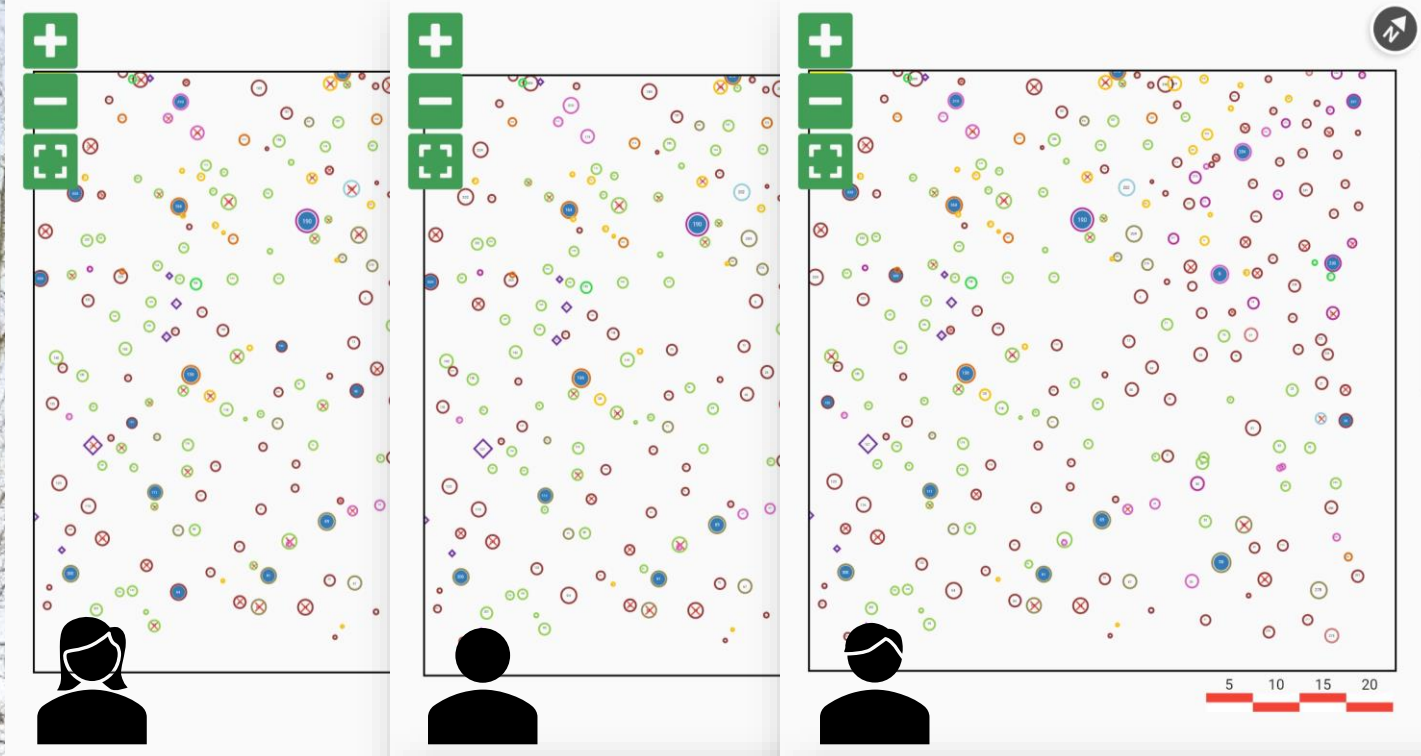
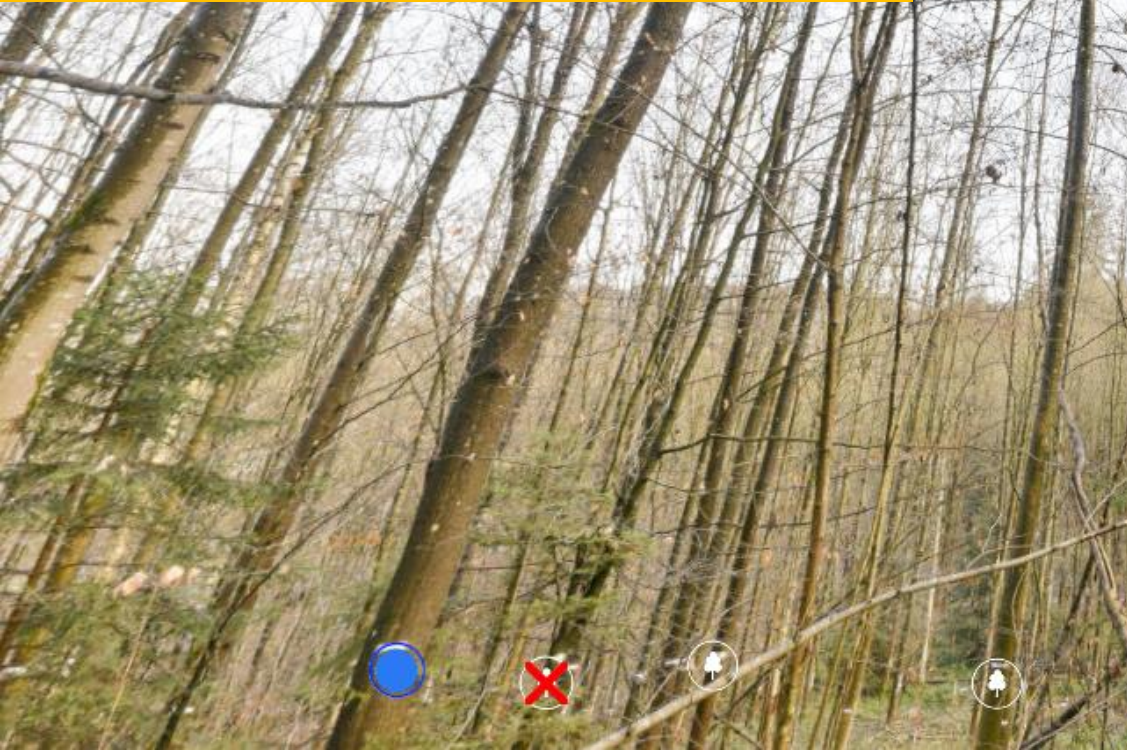
15 tree species on a small area ...
Keep all of them? Focus on some of them? Make it simple with only few of them?
... What is your long term target and how to contribute to reach it with the next intervention?



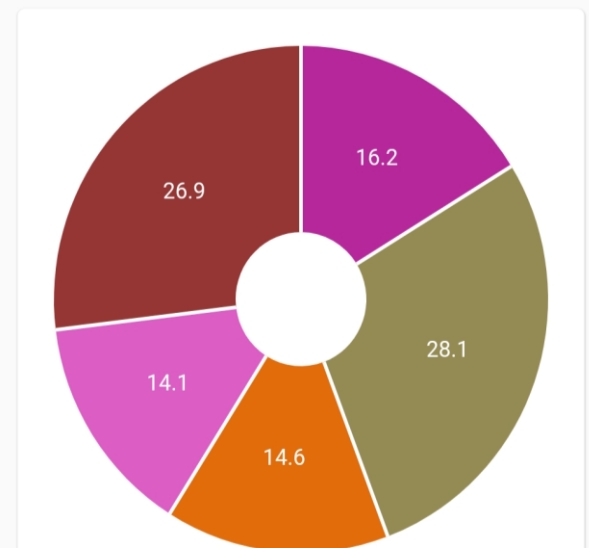
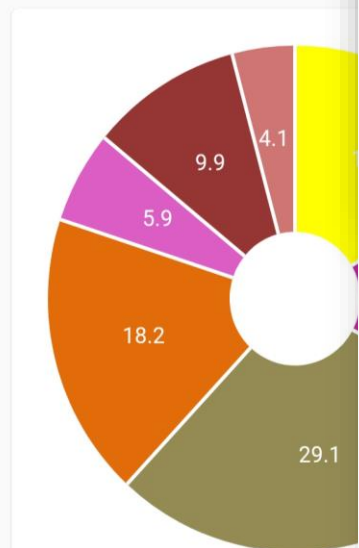
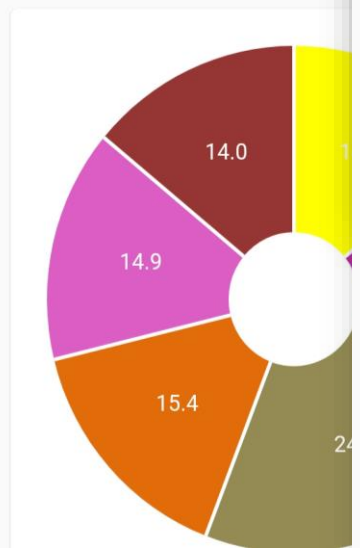
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Target trees: tree species composition (%G)



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Exemplary tree-related micro-habitats are highlighted here in a photosphere (360° panorama)

Click [here](https://habitat.sylvotheque.ch) to go on to take a closer look at the tree-related micro-habitats ... thanks to virtual reality.
> habitat.sylvotheque.ch



Sylvotheque Menu ▾


Forêt primaire Uholka, Ukraine. Sous-placette 5

Description du tour




Carte d'ensemble Carte de détail Dendromicrohabitats Arbre

Mode découverte ▾ ⋮ i

Loupe ✕

 **Forme:** Excroissances
Groupe: Loupes et chancres



Prolifération de cellules avec écorce rugueuse; pas de bois carié.

Fréquence:

Forêt naturelle assez fréquent **Forêt exploitée** assez fréquent

Vitesse de remplacement:

 lent 

Bon à savoir:

Contrairement aux chancres, le bois des loupes n'est pas nécrosé et l'écorce semble intacte. Les larves de quelques papillons du genre *Synanthedon* (famille des Sesiidae) se développent néanmoins dans les fissures de l'écorce des loupes.

Sur les loupes ou les chancres, on peut parfois trouver un champignon qui était autrefois utilisé comme médecine populaire.

Vrai



Train perception and observation skills thanks to virtual reality

... and learn more about what you see thanks to direct links to existing knowledge.



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2017

2021

+ 3m hdom
+ 3-4 cm ddom
+ 3-4 m²/ha G



Bevor thinning

After thinning



Epicormic branches

Rubus

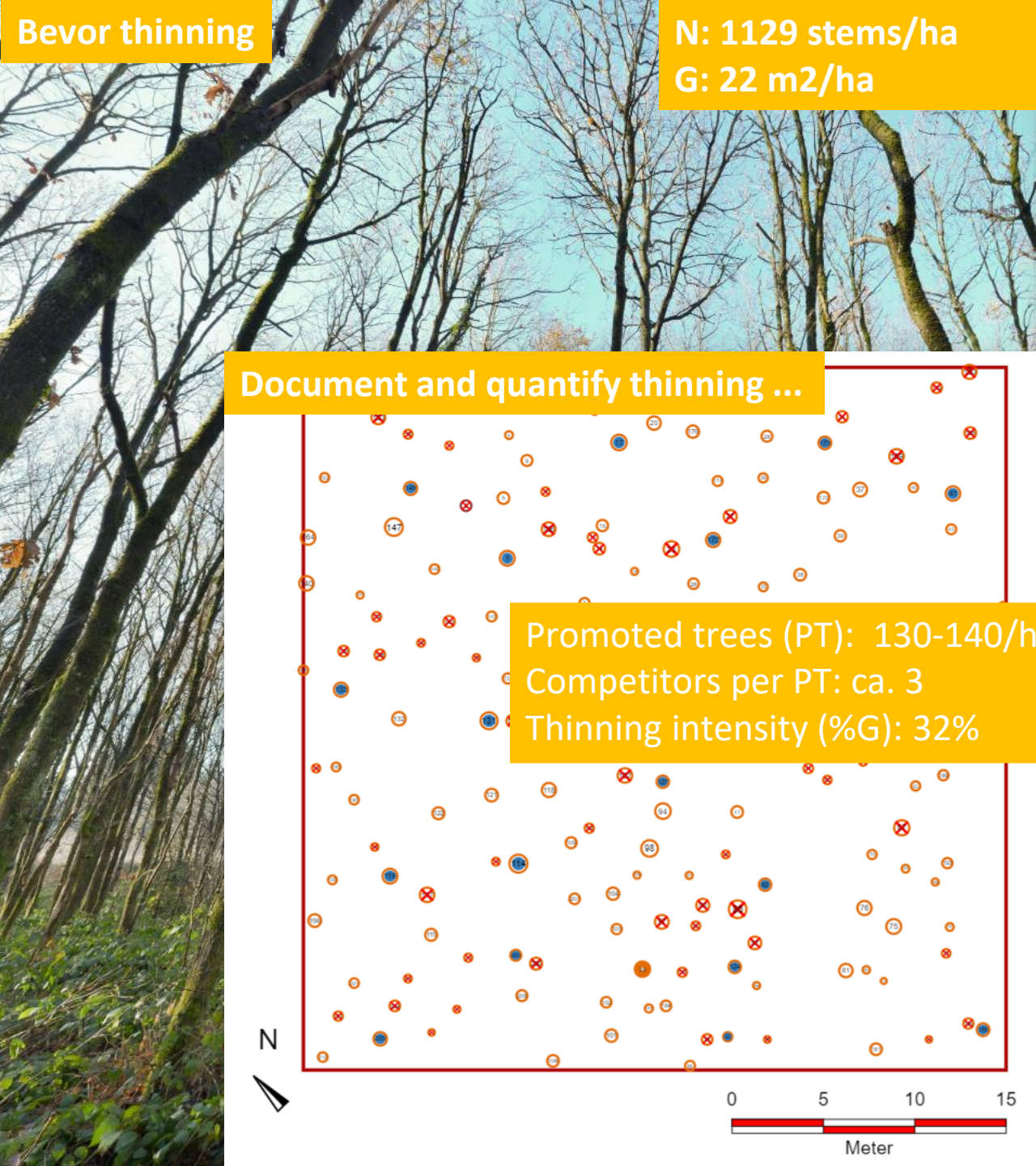


Bevor thinning

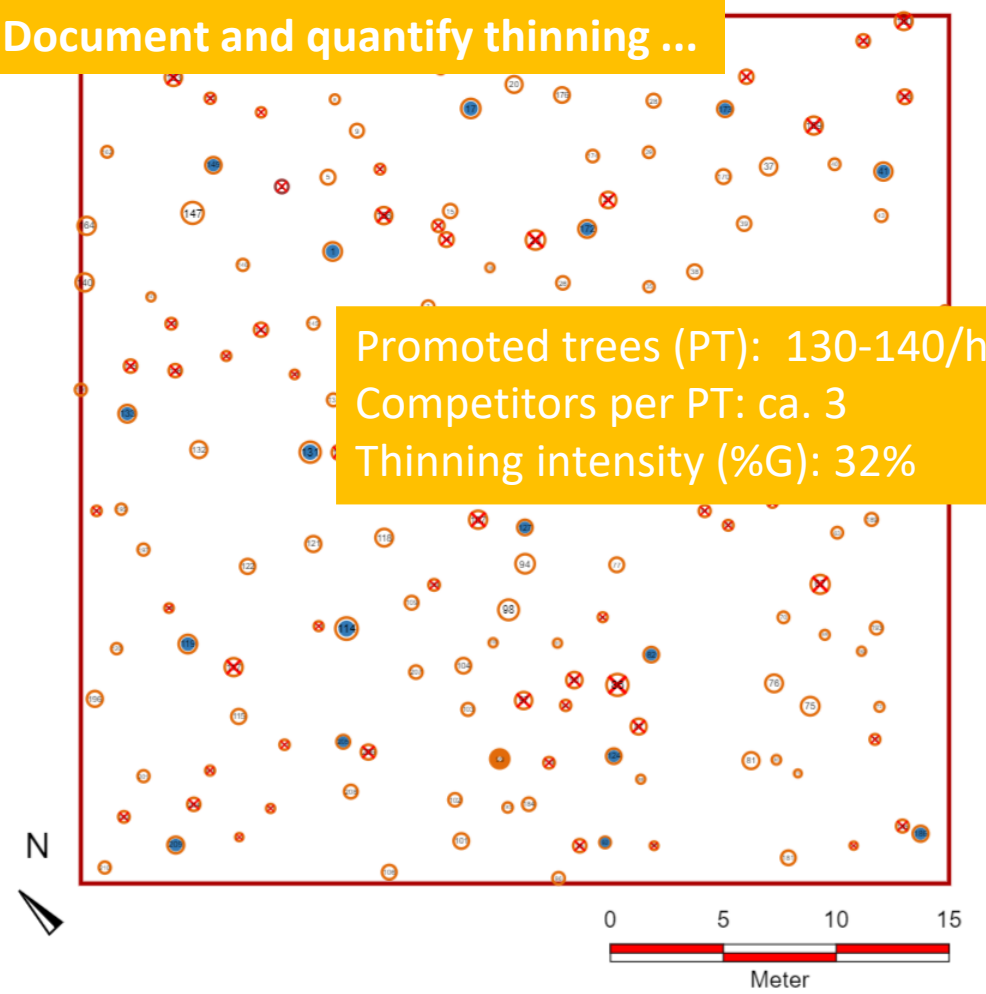
N: 1129 stems/ha
G: 22 m²/ha

N: 721 stems/ha
G: 15 m²/ha

After thinning



Document and quantify thinning ...



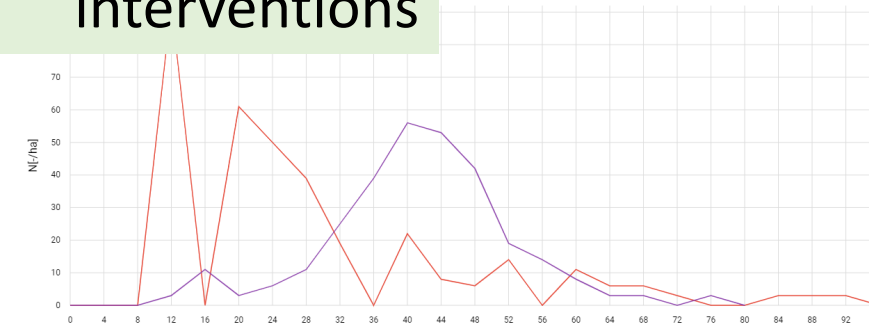
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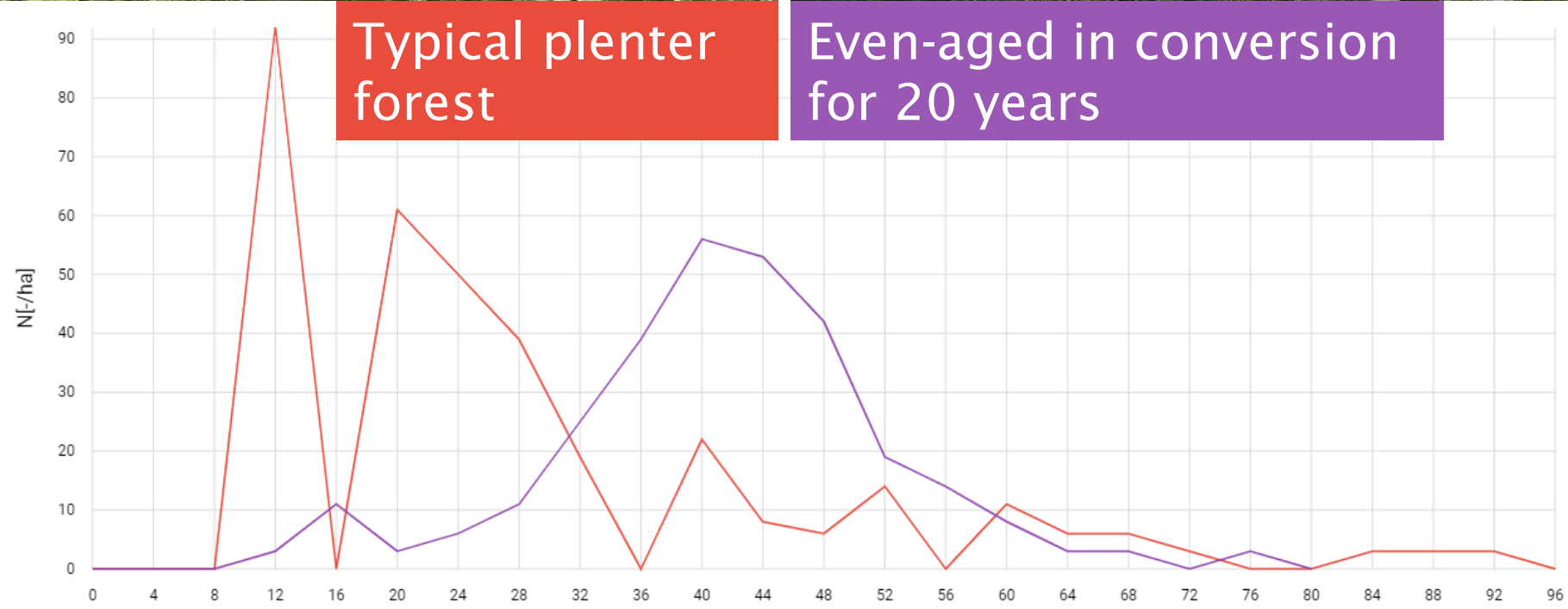
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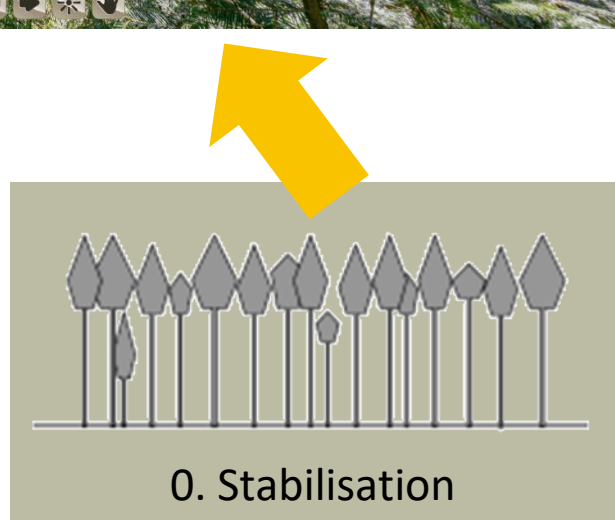
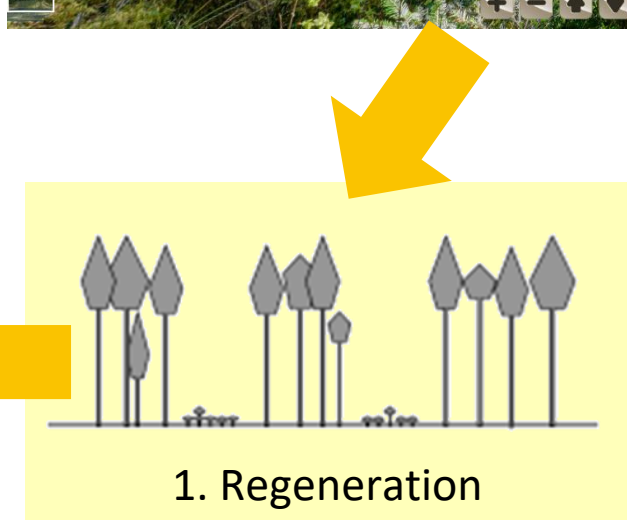
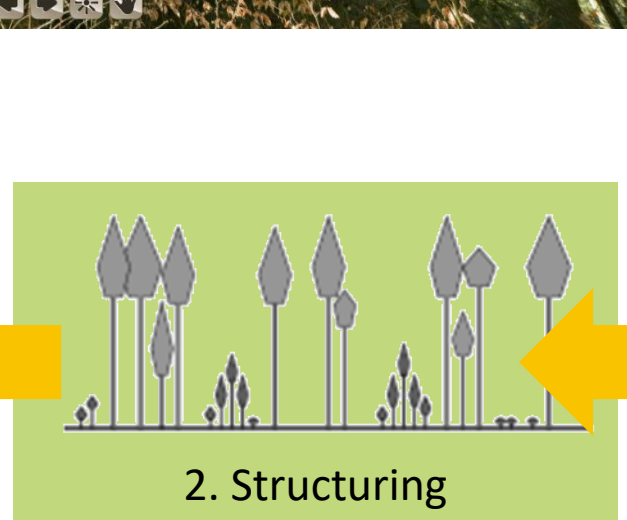
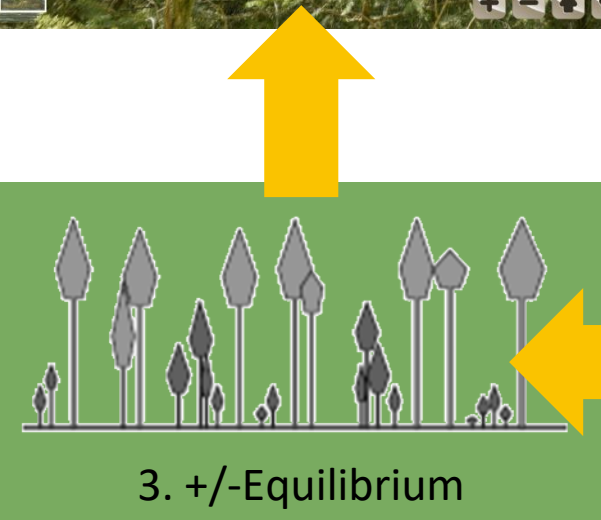


Typical plenter forest

Even-aged in conversion for 20 years

Stem distribution

dbh 4cm classes



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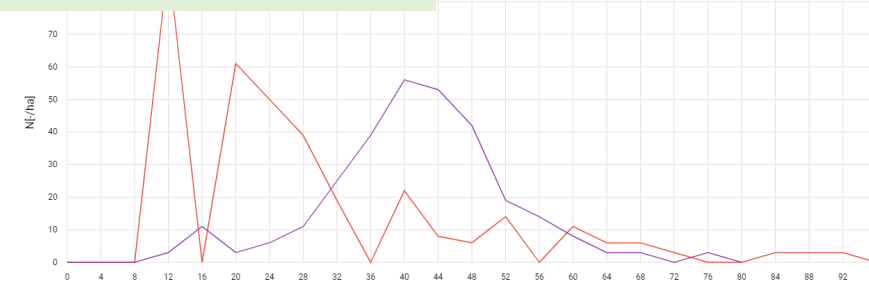
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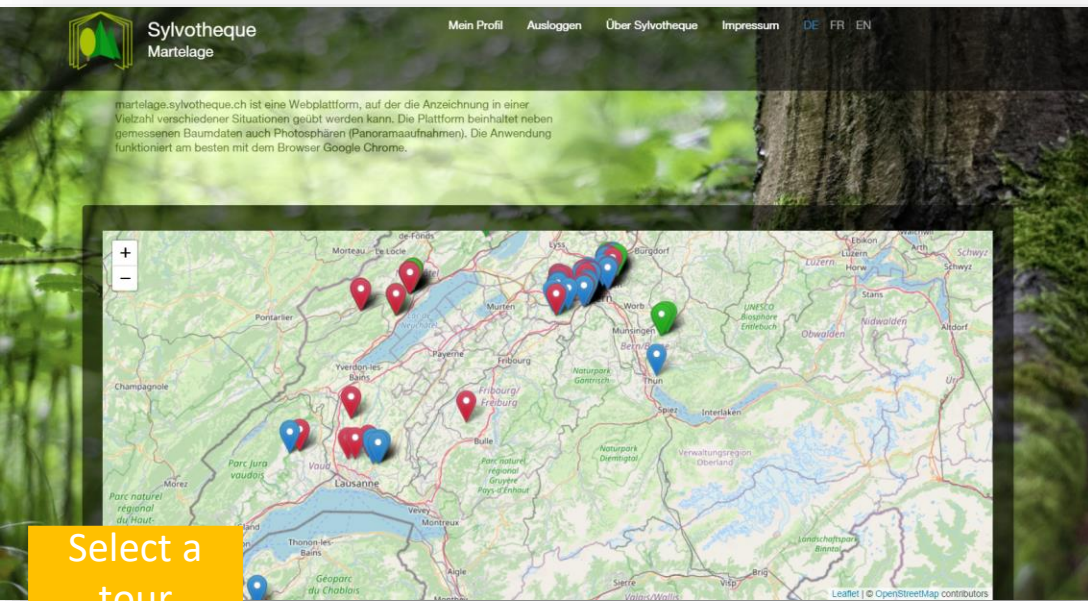


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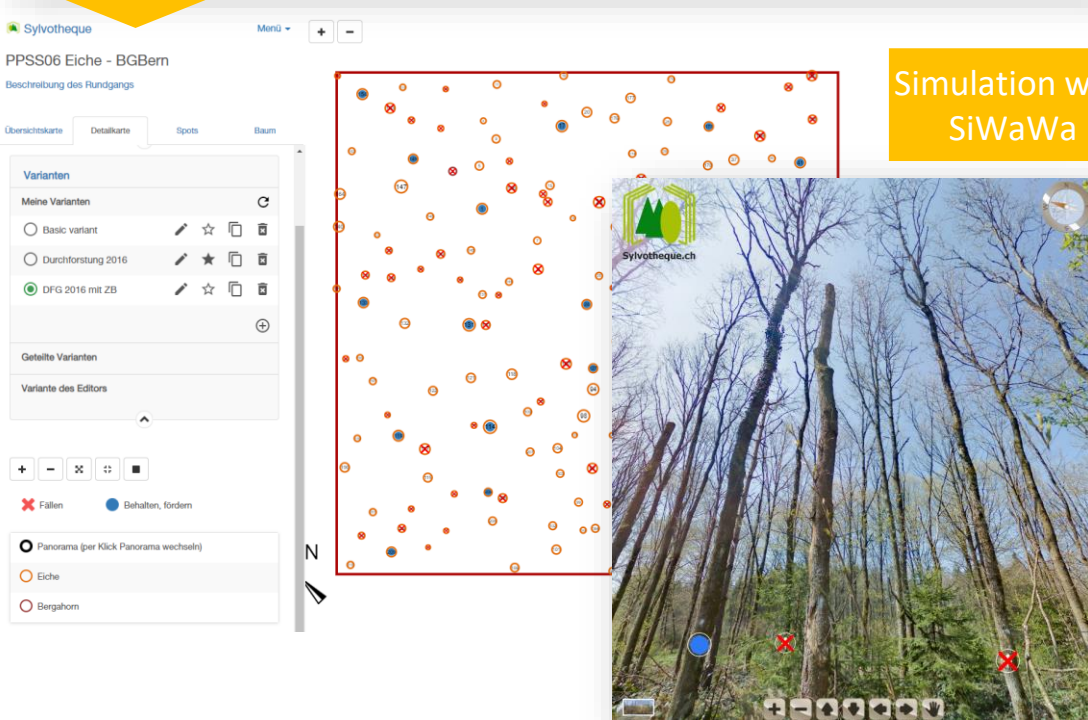
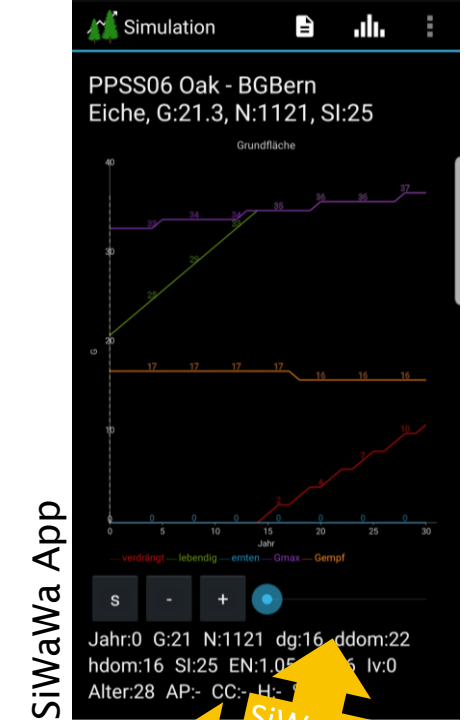
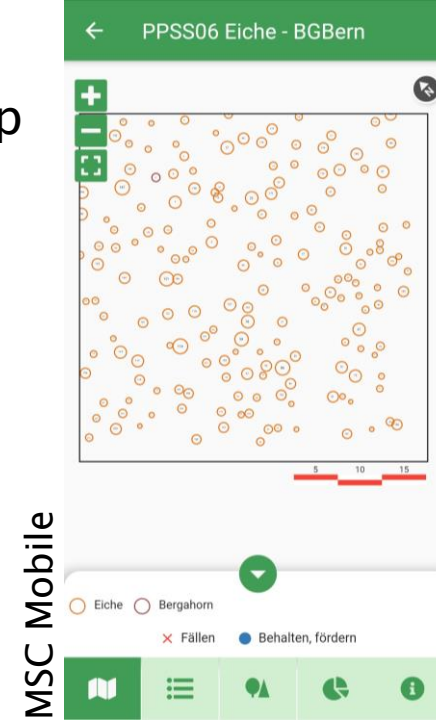
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Smartphone App connected to MSC



Hauptansicht

Inputdaten für die Simulation

Hauptbaumart:	Eiche
G [m ² /ha]	17.2
N [Stämme/ha]	708
Bonität:	23 > Simulieren
hdom [m]	19
Fläche	standardisierte Daten auf 1ha

Simulation der Grundfläche

Legend: alive (green), dead (red), gMax (purple), ghdf (orange)

Utility of MSC for Teaching

- ▶ Combine forest inventory, forest growth, silviculture and forest planning with direct connection to reality
- ▶ Numerous training opportunities in various situations to develop one's own skills and know-how and share them with others, step by step (visit of more than 50 marteloscopes during study time, own set up of at least a marteloscope)
- ▶ Essential part of the Smart Forest Toolset for Sustainable Forest Ecosystem Management (complementary to forest monitoring and forest management)
- ▶ Very useful during COVID Time !

Learn more about MSC and how to use it concretely ... (DE/FR)

New version of MSC soon available with new design and new functionalities ...



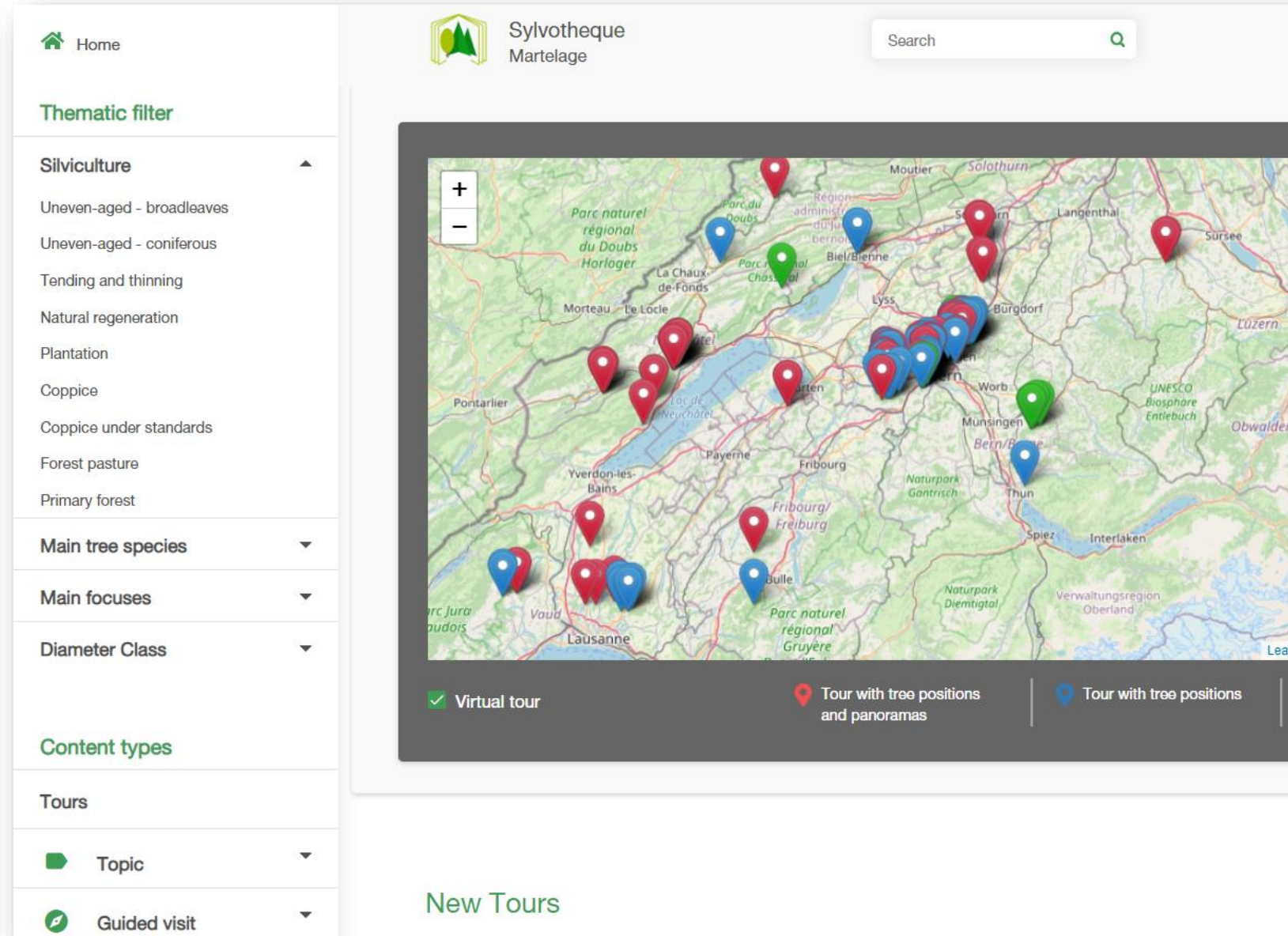
Home **Kursangebot** Über uns Frühere Kurse



PERFEKTIONIEREN SIE IHRE ANZEICHNUNG MIT MARTELAGE.SYLVOTHEQUE.CH

25.08.2022, Zollikofen, HAFL

KURS NR. 334 | Sprache: F / D [> Link](#)




Home Sylvotheque Martelage Search

Thematic filter

- Silviculture
 - Uneven-aged - broadleaves
 - Uneven-aged - coniferous
 - Tending and thinning
 - Natural regeneration
 - Plantation
 - Coppice
 - Coppice under standards
 - Forest pasture
 - Primary forest
- Main tree species
- Main focuses
- Diameter Class

Content types

- Tours
 - Topic
 - Guided visit



Virtual tour Tour with tree positions and panoramas Tour with tree positions

New Tours



Thank you for your attention !

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