

Example of Czech-German cooperation in Křivoklát forest in the framework of the project Integrate+

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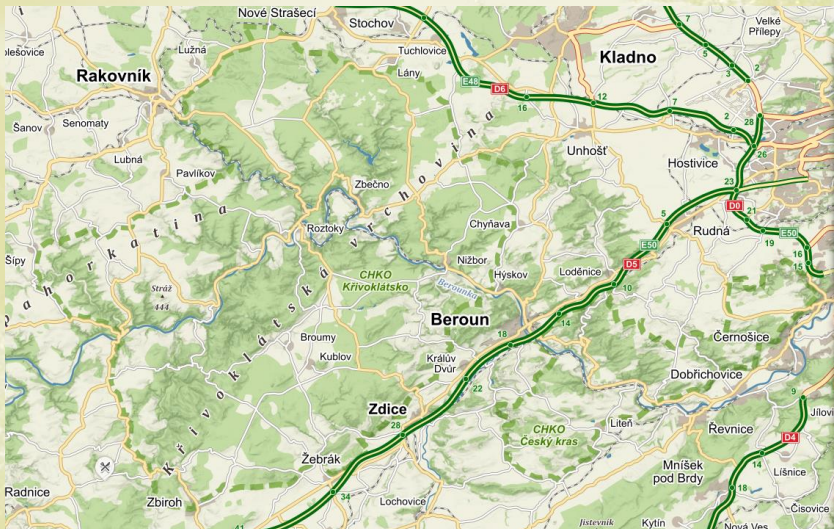
Map of Czech Marteloscopes



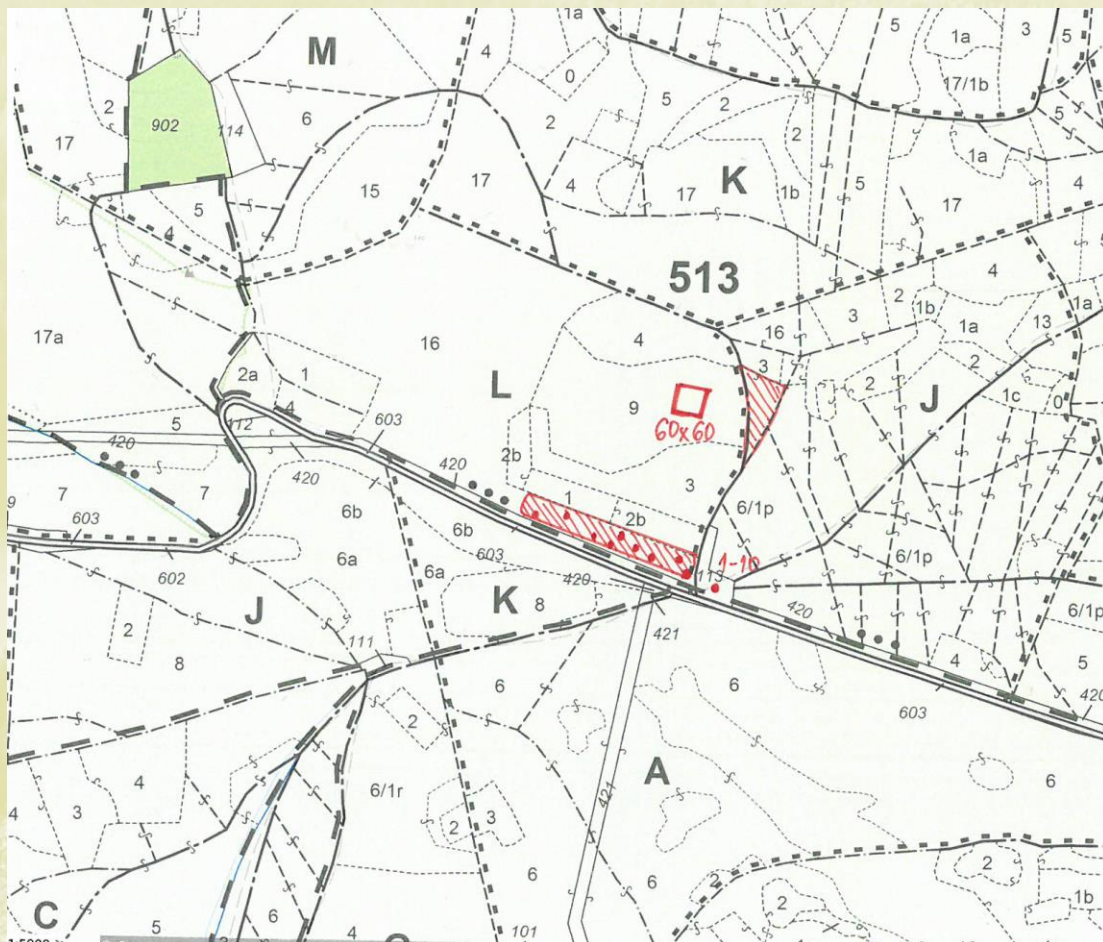
- 4 Marteloscopes (originally 3 plots, last one finish in September 2016)
- classical production forest without any restriction of management
- easy availability for training
- basic economic species in Czech Republic (Spruce, Pine, Beech, Oak)
- 3 Marteloscopes are part of forest demonstration sites and the Marteloscope Krivoklat is part of the Forestry Park Křivoklátsko

Křivoklát – forest district

- historical forestry area for Czech kings
- officially „Forestry Park Křivoklátsko“
- main owner – state Forest state enterprise (LČR s. p.)
- valley of the river Berounka
- mainly broadleaves forest
- valuable area – PLA Křivoklátsko
- a large number of specific species
- recreational function – capital Prague in the neighbourhood



„Trittstein“ habitat



points – selected trees and their microhabitats (1-10)

hatching – set-aside area (islands of the biodiversity)

60x60 m plot – example of the thinning accepting the microhabitat tree concept

Selected trees and their microhabitats

Tilia cordata, 73 cm dbh

1

CV 24

CV 31

Osmoderma eremita

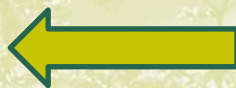



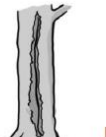


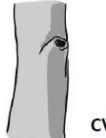

Tenebrio opacus

IN 32

BA 11

Pipistrellus pipistrellus

Barbastella barbastellus



Catalogue of tree microhabitats

Reference field list



Habitat and elite trees selection – demonstration plot

On a 60 x 60 m area
(0.36 ha):

- 8 elite trees were selected and marked with white ribbon
- direct competitors were selected for immediate removal (marked with orange dot)
- some secondary competitors will be harvested (marked with pink dot)
- 10 habitat trees were selected and marked with a green wave-line





Habitat trees

81.8 m³.ha

18.9 m³.ha

Secondary competitors

16.5 m³.ha

Direct competitors

17.5 m³.ha

Elite trees

4

Summary per hectare:

270 m³/ha

17.5 m³/ha



35.4 m³/ha

81.8 m³/ha



30 %

Age: 84 years

Area: 1.66 ha

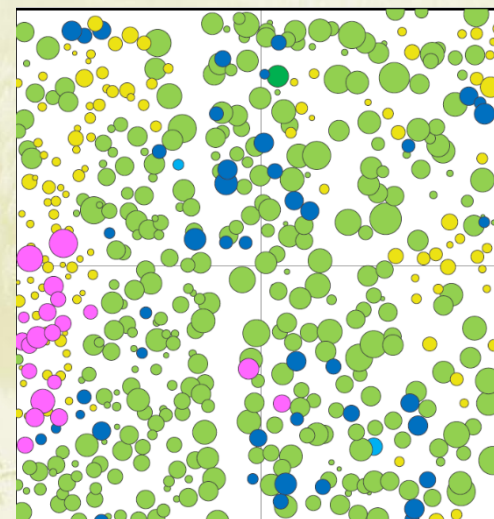
Altitude: 525 m.a.s.l.

Site condition: Stony-acidic Oak-Beech (Querceto-Fagetum lapidosum acidophilum)

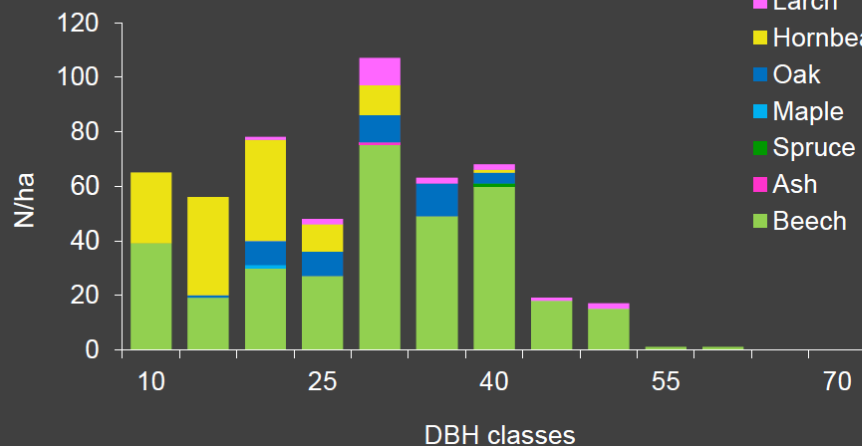
Soil: stony-slope; nutrient-poor soils

Stand information: Beech 100 %, mean DBH 25 cm, mean height 24 m, volume 286 m³/ha (from the official Forest management plan)

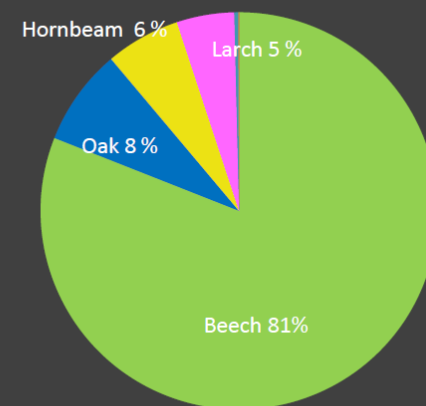
The Křivoklát Marteloscope



DBH distribution



Tree species distribution [% Volume]



Czech – German cooperation

Microhabitat training – Lohr am Main



Excursion of Czech experts in Germany



Excursion of German experts in Czech R.



Czech – German cooperation

Conference „Integration of biodiversity enhancement in sustainable forest management in the Framework of the EU forest strategy“

