



SPAN

SAPROXYLIC HABITAT NETWORK



**Marteloscop
manager
workshop
Bonn
28./29.06.2022**

**Artificially creating deadwood and
habitat structures in managed
forests and how marteloscopes
can help in education**



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2. because potential habitat trees in managed forests are removed early in the course of thinning.

What can be done about this?

1. leave veteran trees.

Takes time



2. do not remove potential habitat trees during thinning.

Takes more time

... or 3. artificially create deadwood and microhabitats.

That is much faster.



Lying deadwood



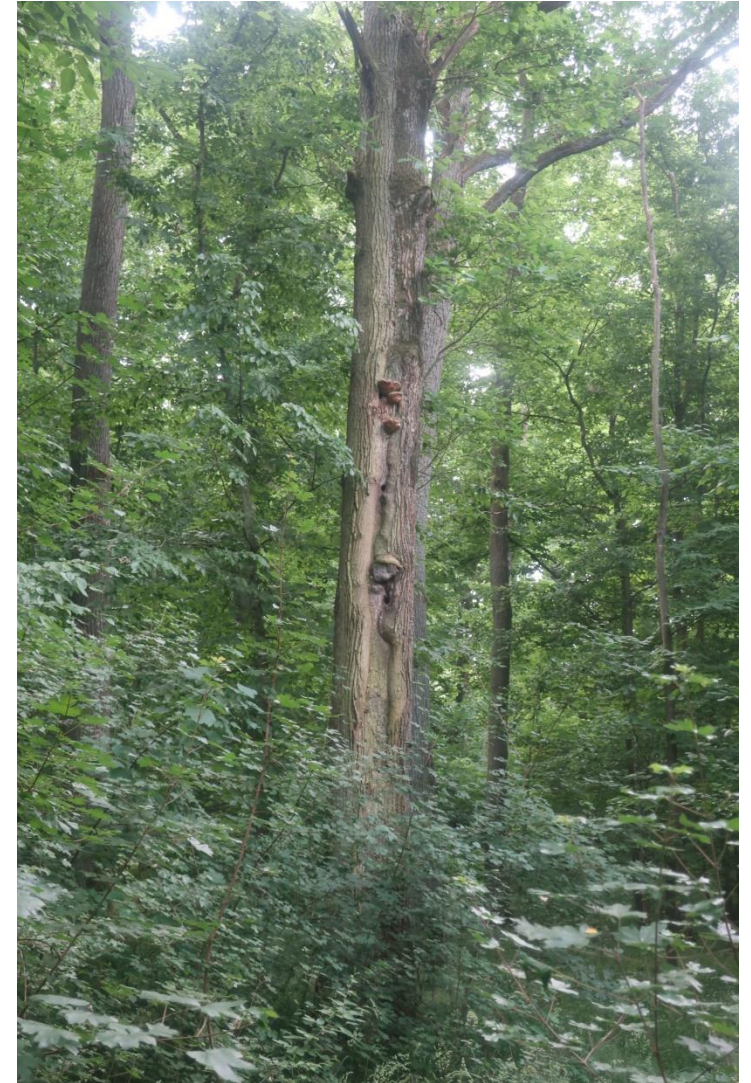
Pollard trees



Artificially girdled or scratched trees



Naturally “scratched” tree



Girdling a tree by harvester



Uprooted trees



Cavity trees



Creating a cavity



Creating a cavity in 6 m height



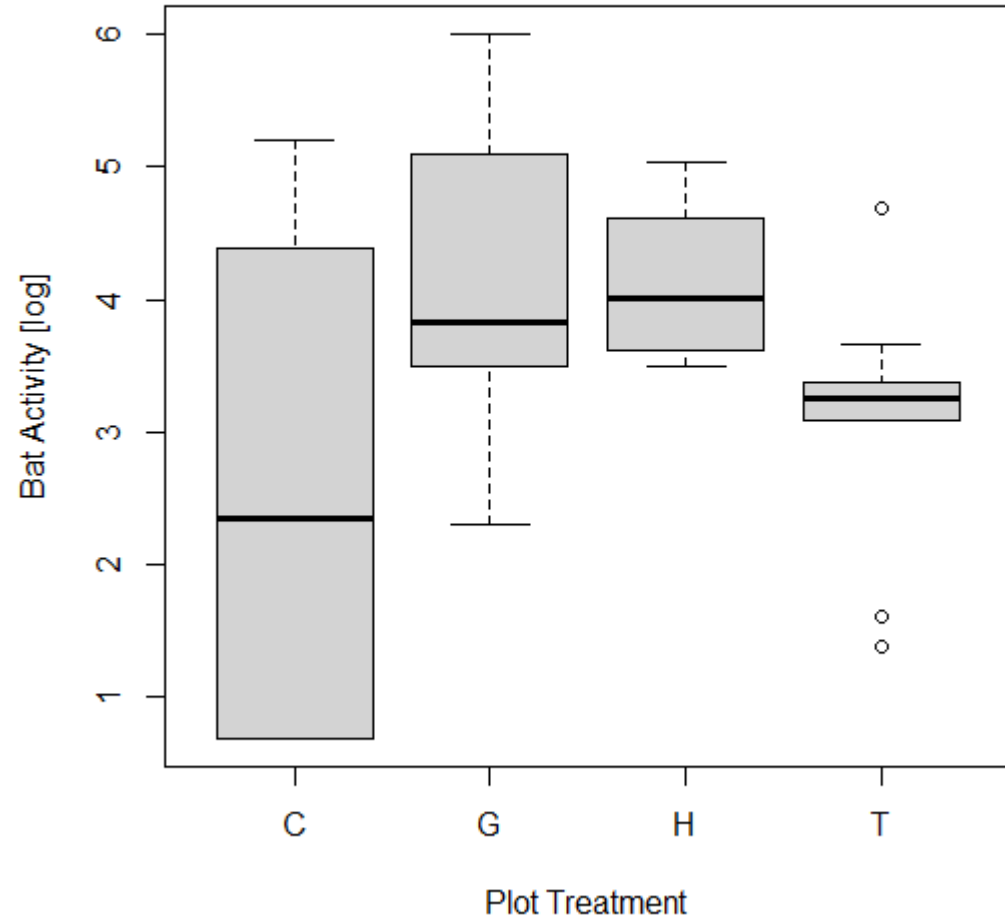
... it does not always work.



Basal slits



First results from 2022 in the LIFE SPAN Project



All treatments of SHS are better than Control in mean, Habitat trees seem to be very interesting for bats

„Saproxylic habitat site“ next to a Marteloscop in Sailershausen (University forest Würzburg)



Costs and effort of artificially created microhabitats

Microhabitat	Methode	working time	hourly rate	roughly estimated costs
pollard tree	harvester	1,3 min.	200,00 €	4,40 €
girdled tree	harvester	1,3 min.	200,00 €	4,40 €
uprooted tree	harvester	1,3 min.	200,00 €	4,40 €
cut down tree	harvester	1,3 min.	200,00 €	4,40 €
cavity in breast height	forest worker	24 min.	50,00 €	20,00 €
cavity in 5m height	tree climber	30 min.	80,00 €	40,00 €
basal slits	forest worker	5 min.	50,00 €	4,00 €

Many of the microhabitats we can find in the forest were created by coincidence or by accident. We also can create them by design and integrate them into marteloscops.

