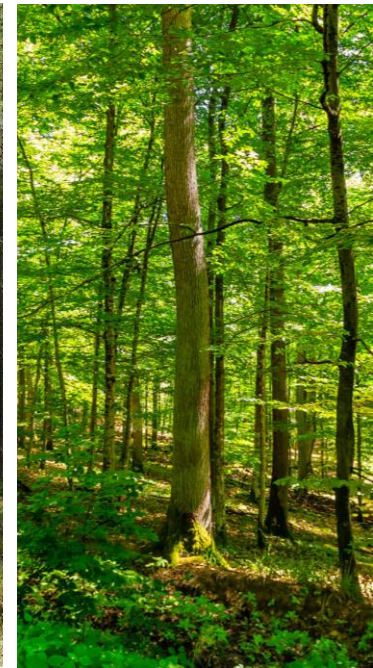


Studying tree selection behaviour



research and praxis: hand in hand

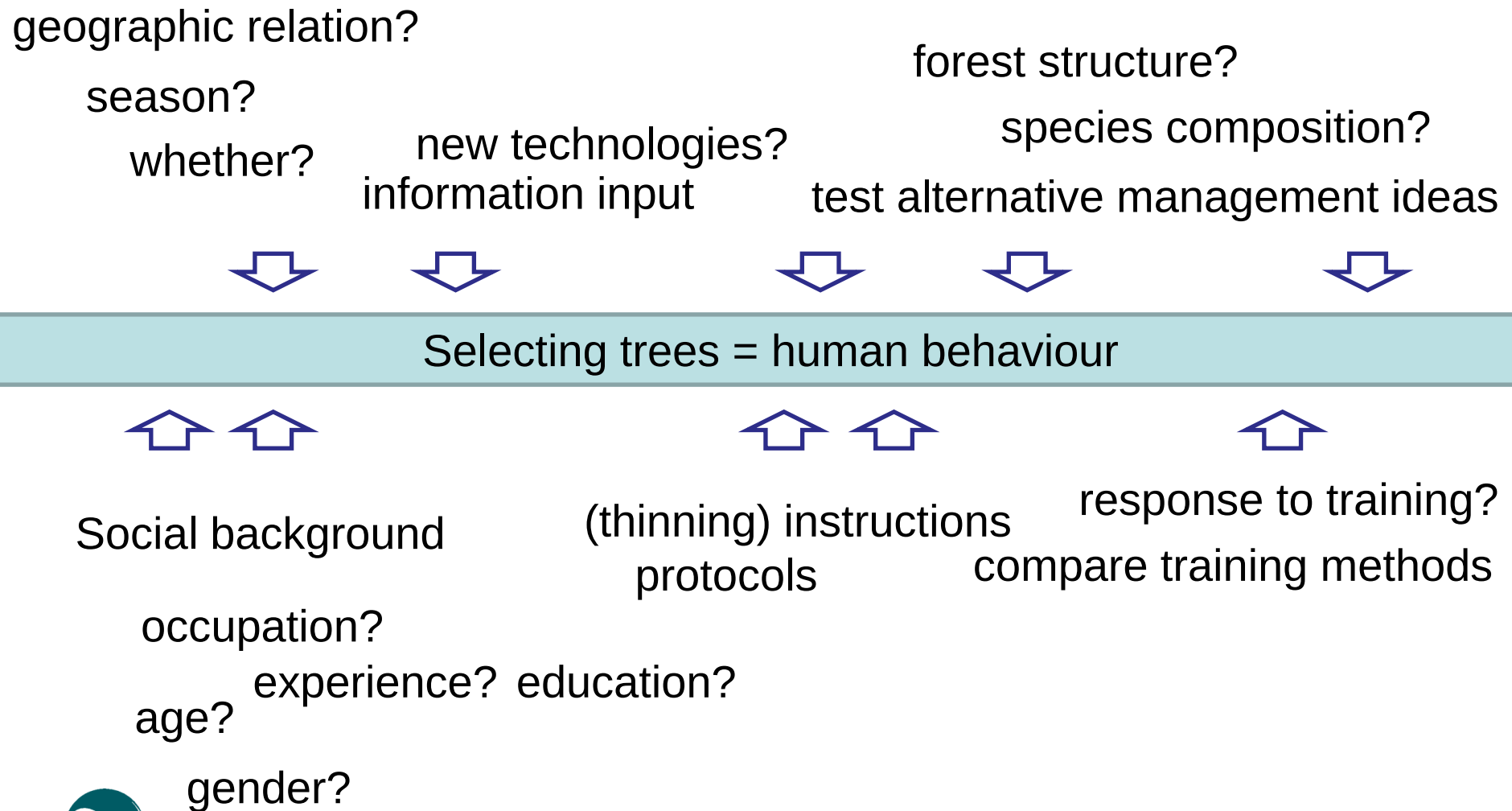
Marteloscope



research with relevance to forest sector

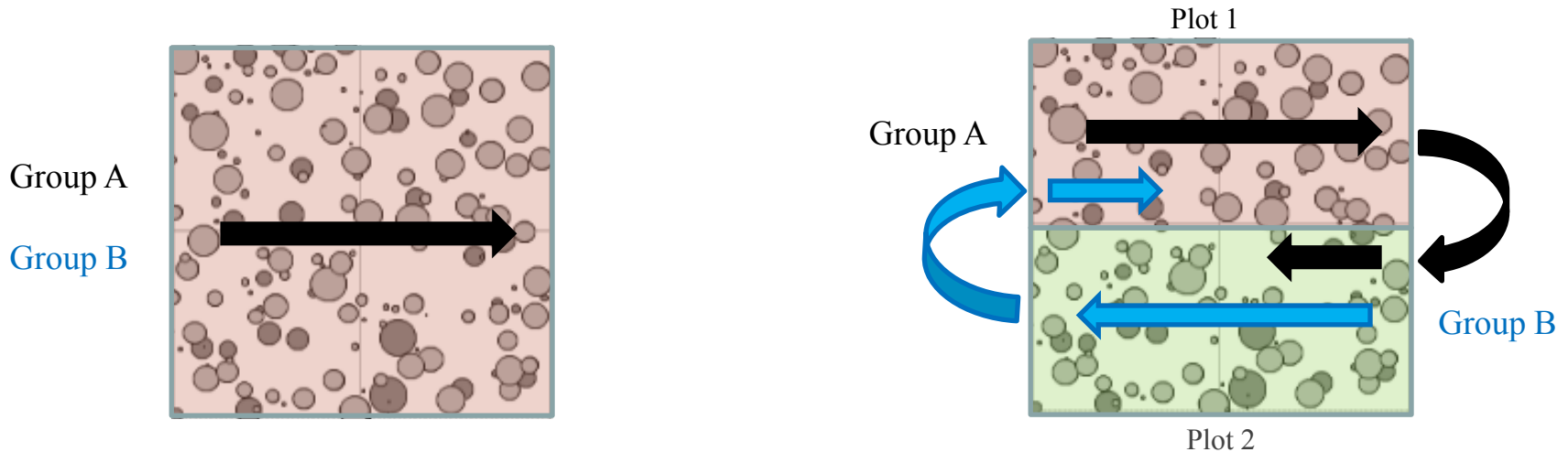
combine research and praxis

Marteloscopes – Decision-making



Research designs

combine research and praxis



Praxis/Educational
objectives

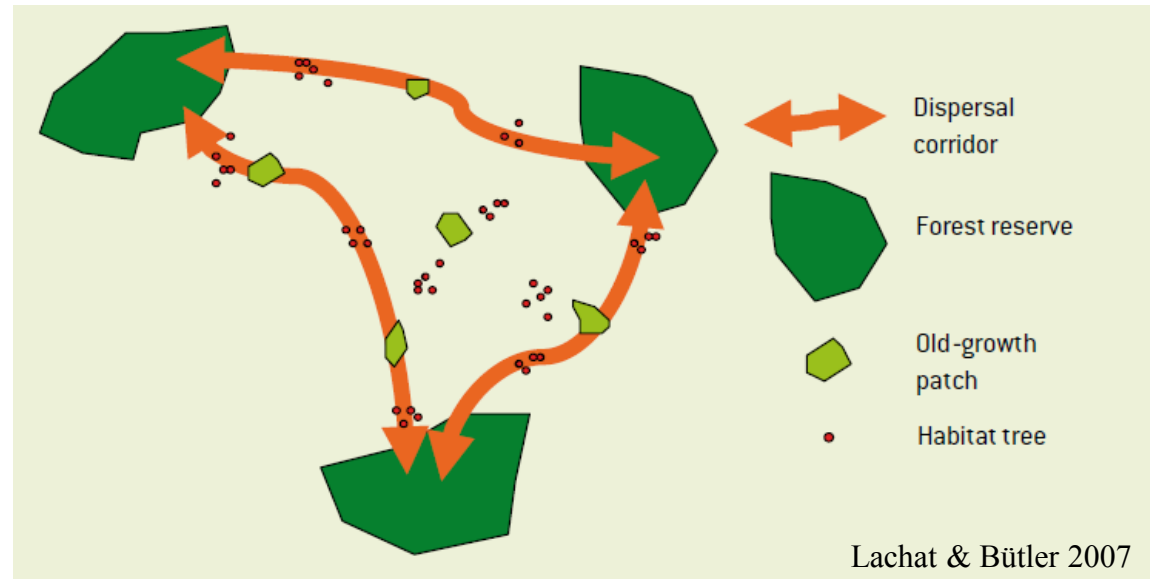
Practical constraints
(e.g time, group size, hardware)

Research
objectives

- Sihlwald (HAFL)
- Goumoens (Canton de Vaud, Waldbau Lyss) –planned nov 2016

- Rosskopf DE (Uni Freiburg)
- Groenendaal BE (Uni Leuven)
- Ebrach DE (Czech delegation)

Selection of Habitat trees



Integrative forest management

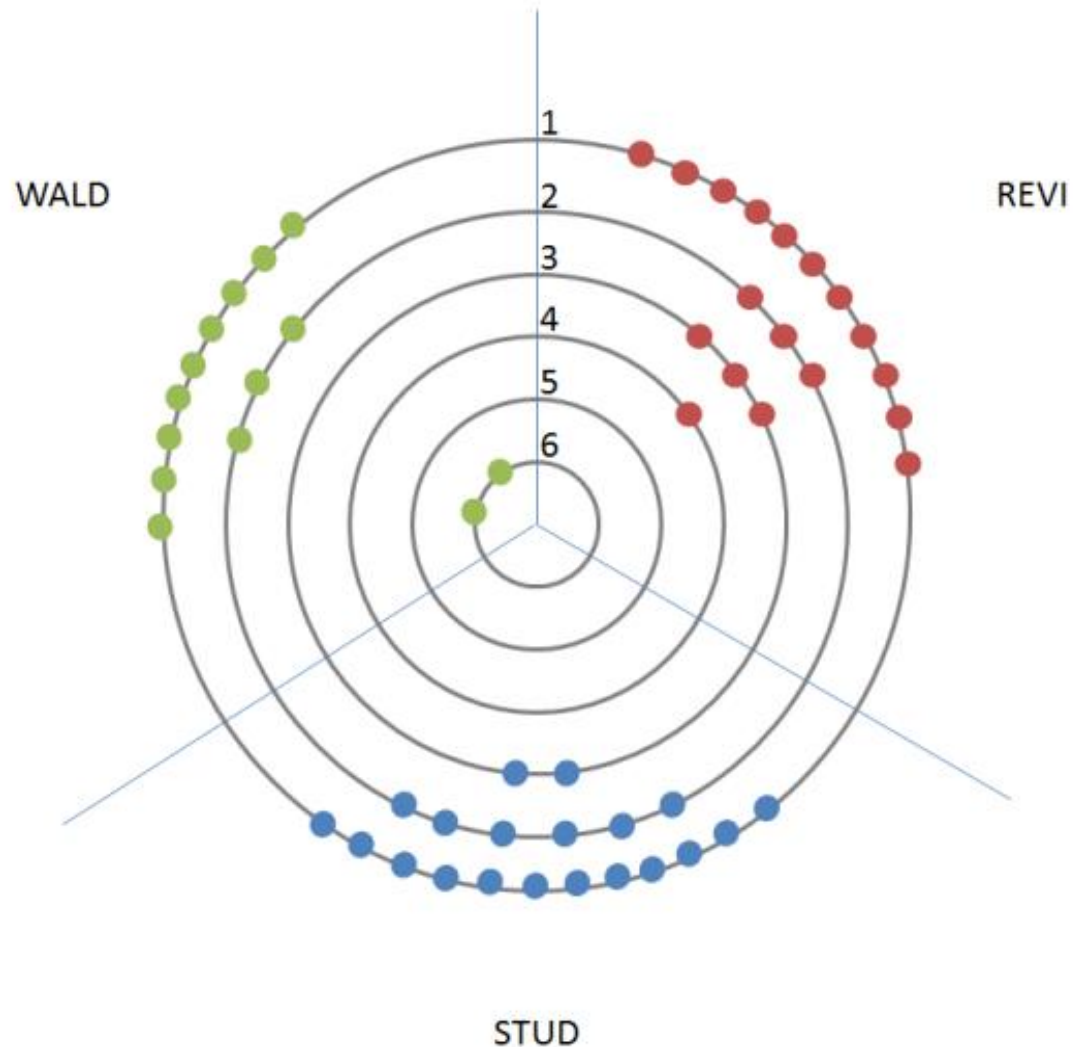
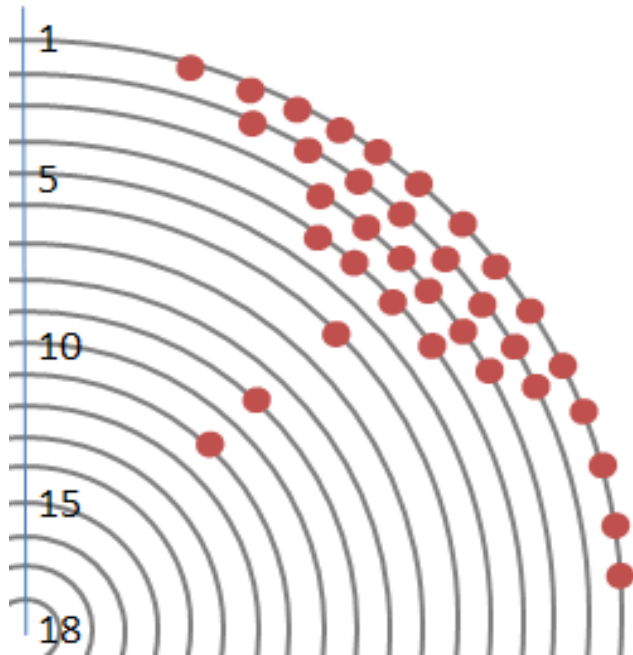
⇒ Habitat trees

Selection of Habitat trees

Data from: Kiehne (2015)

Select 5 Habitat trees

- 6 Students
- 6 Revierleiter
- 6 Waldbautrainer



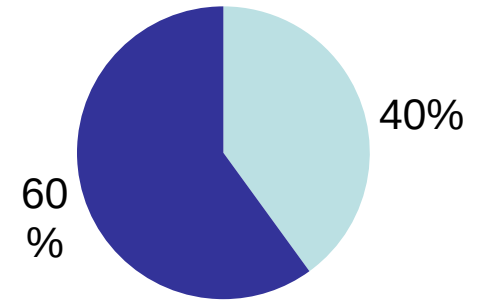
Selection of Habitat trees

Data from: Kiehne (2015)

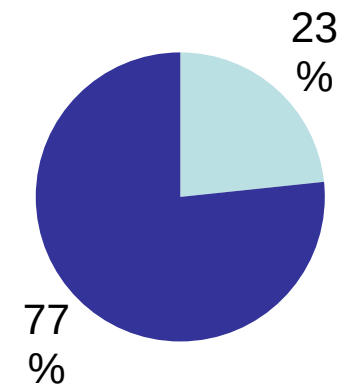
TOP 5 ECOLOGICAL TREES



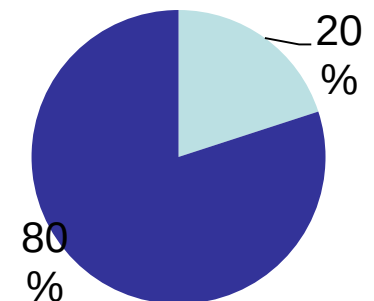
Waldbautrainer



Revierleiter

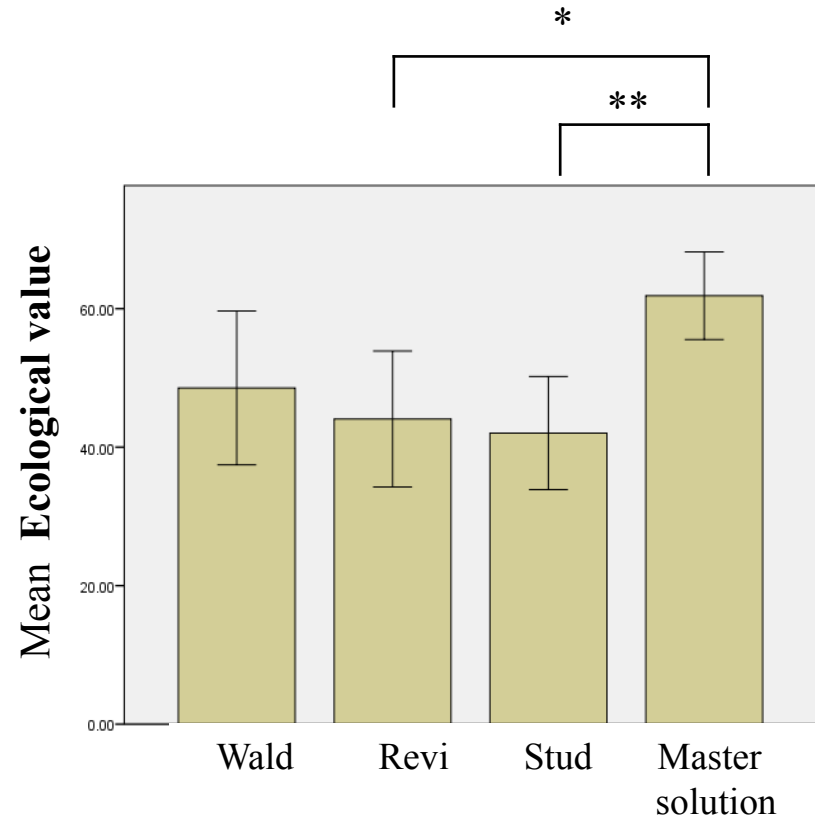
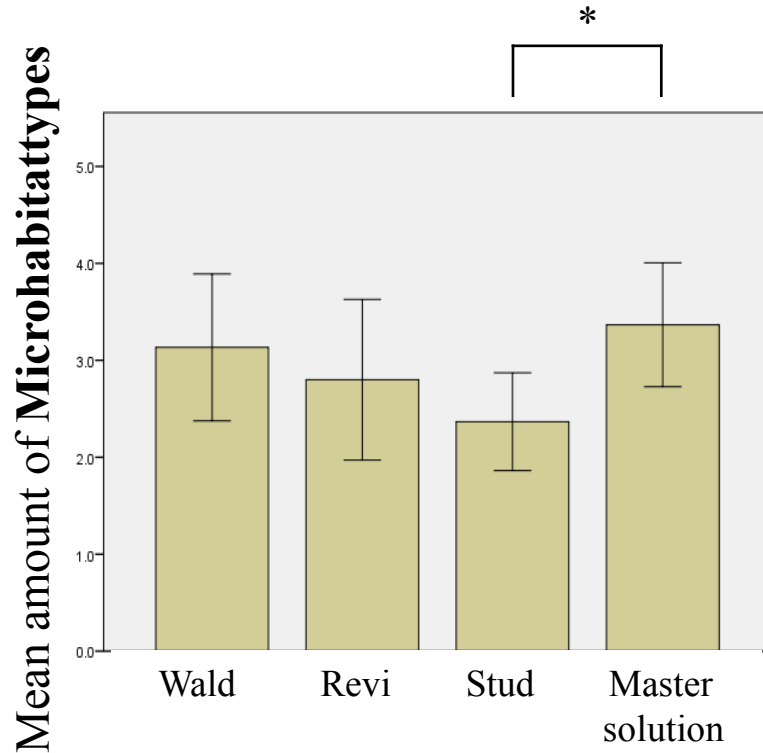


Students



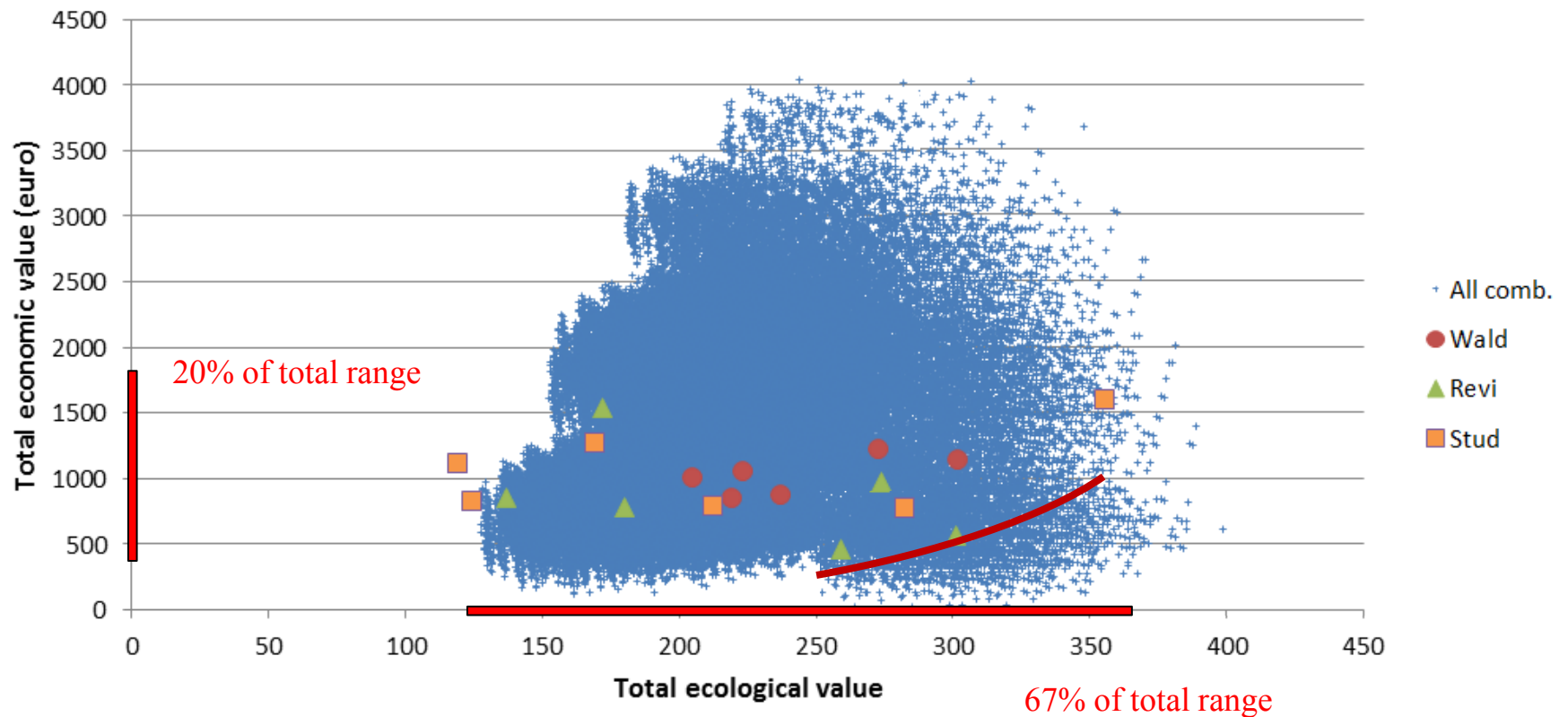
Selection of Habitat trees

Data from: Kiehne (2015)



Selection of Habitat trees

Data from: Kiehne (2015)



Selection of Habitat trees

- Low agreement between participants
- Large variability between different participants
- A effect of social background and experience (?)

➡ Still room to improve habitat tree selection

Mscope as a learning-tool

Data collection:
Pyttel & Cosyns (2016)

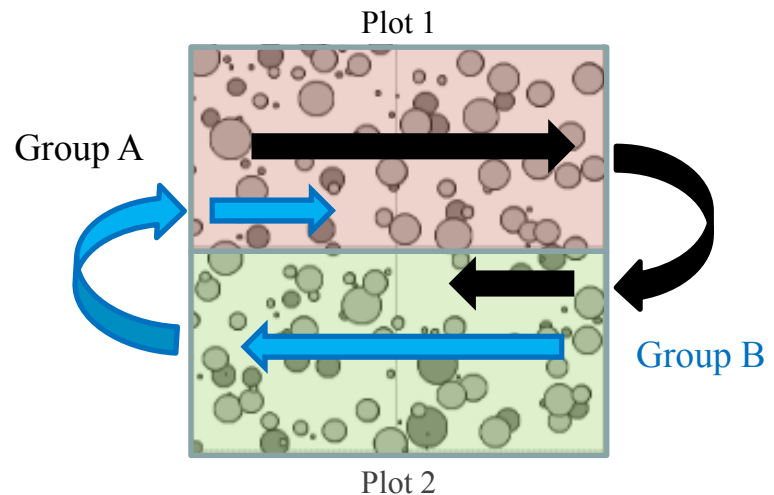
Students Uni Freiburg

Select 5 Habitat trees

Learning moment:

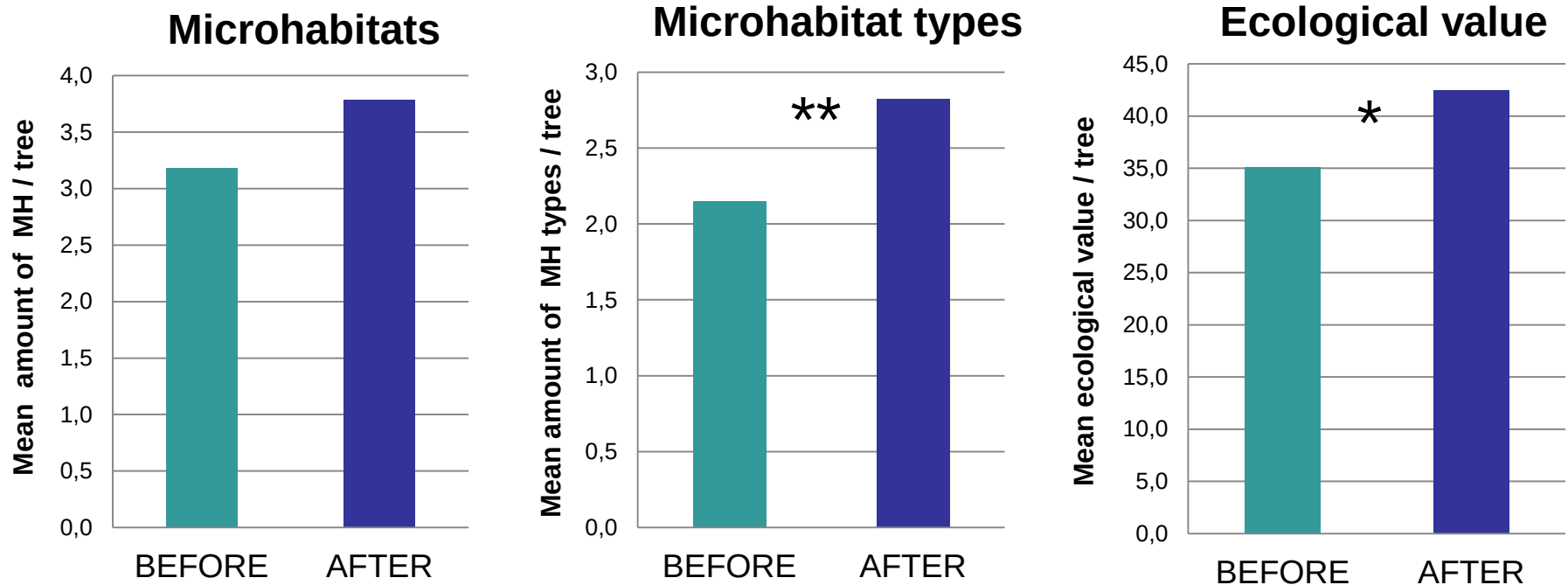
- Silviculture
- Microhabitats
- Thinning with INTEGRATE+ app
- Discussion

Select 5 Habitat trees



Mscope as a learning-tool

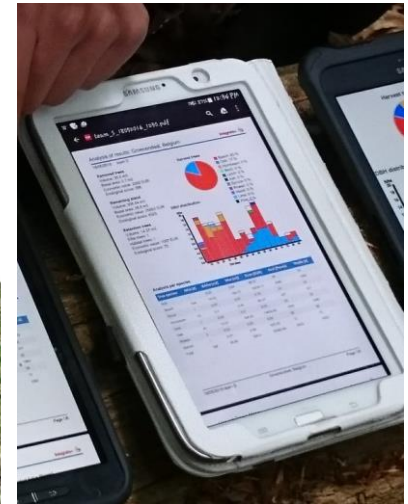
Data collection:
Pyttel & Cosyns (2016)





Future research

- Does additional tree and stand specific information influence tree selection behaviour?



- How do foresters make certain decisions?
- Can upcoming technology support decision-making process during tree selection?

Danke vielmals

