

The Black Forest Marteloscops

Development -Teaching experiences- Research

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UNI
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- INTEGRATE+ & Freiburg City Forest
- Winter 2014/15 set up of two Marteloscops based on the MSc-Theses of Jan Kiehne and Robin Schürg
- Summer 2015 firstly applied for teaching
- Since then part of the curriculum in three courses

„Mooswald“

- Oak old growth (180 years+)
- Lowland
- High ecological values
- High economical values
- Vigorous regeneration of shade tolerant and invasive tree species

„Rosskopf“

- Mixed mountain forest (silver fir, beech, Douglas fir)
- +/-120 years
- Lower ecological values
- High economical values (Dgl)
- Vital regeneration of silver fir and beech

Regular teaching and trainings



BSc course → „Restoration of Forest Ecosystems“ (25 Students)
Identification of microhabitats and selection of habitat trees

MSc Courses „International Forestry“ (20 students)
„Forest Science“ (35 students)
→ Simulation of management decisions
→ Integrative forest management approaches
→ Regeneration of oak

Trainings: Freiburg Community Foresters, ConFoBi Foresters, IUFRO 125th Anniversary Congress, ...

Scientific output

Cosayns, H., et al. (2018): *Are habitat trees selected by weighing up economic against ecological values?* Forest Science (resubmitted)

Pyttel, P., et al. (2018): Mit Marteloscopen integrative Waldwirtschaft lehren und erlernen. AFZ-Der Wald 4: 26-29.

Oral presentations at: IUFRO Congress 2017, Forstwissenschaftliche Tagung 2016

- Offenburg University, Department of Media and Information → Documentary
- Freiburg University, Institute of Psychology
- Freiburg University, Institute of Gender and Diversity
- PhD Projects of the DFG Research Training Group „ConFoBi“ + WSL

„This teaching tool is the best I saw for a very long time“

(Dan Binkley, Chief Editor Forest Ecology and Management“, Autumn 2017)

„If teaching would be this way every day I would be happy“

(Marco, 2nd Semester, MSc Student, Spring 2018)