



Master thesis Bat behavior in the ConFoBi research project

ConFoBi – Conservation of Forest Biodiversity in Multiple-Use Landscapes of Central Europe – is a DFG funded Research Training Group investigating the effectiveness of retention forestry with an inter- and transdisciplinary approach (www.confobi.uni-freiburg.de). Within ConFoBi, the project B5 investigates the effect of retention structures on bat diversity. Bats are frequently selected as target species for conservation. Due to their nocturnal lifestyle, they developed echolocation. With high pitched ultrasonic sounds, they have the ability to “see with their ears”. These sounds differ between species in certain sounds characteristics (like frequency and rhythm). By carefully recording and analyzing these sounds of the night we can not only reveal different species but also try to find out how retention structures might influence the behavior (e.g. feeding buzzes and social calls).

Possible research question:

Do certain retention measures (like snags) have an influence on feeding quality of the patch for bats and how does this relate to the landscape

Main tasks

- Field work – installing and collecting bat loggers (involves lots of car driving)
- Acoustic classification – sorting and identifying
- Statistical analysis and writing of thesis

Possible time frame

Starting in April/May, Fieldwork in (May) June-August (September), statistics in August, finishing in September (October).

Requirements

- Driver license (being able to arrange your own car is a huge benefit, you will get an allowance per kilometer)
- English speaking and writing

Got interested? Send your motivation before **01.04.2017** to marlotte.jonker@wildlife.de. Interviews shall be held in **WEEK 14 (3-7 april)**

Any questions? Please don't hesitate to contact me.

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