



PAPER PROJECT

Preliminary title: Exploring the role of Tree-Related Microhabitats in shaping forest multi-taxon diversity.

Target journals: Journals related to forestry or biodiversity conservation

Aims

Conduct quantitative analyses to analyse the relationship between tree-related microhabitats and forest biodiversity. Assessing whether the microhabitat types, abundance, and distribution influence multitaxonomic biodiversity. Specifically, investigating whether the presence of microhabitats favors specific taxa, contributing to a better understanding of the ecological mechanisms shaping biological diversity in European forests.

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Core authors outside BOTTOMS-UP: Stefano Chelli

Please note that if the outline changes substantially (more than 1 aim is revised substantially), or co author(s) are added to the above lists the governing board should re-vote on the project.

Further opt-in authors:

According to the BOTTOMS-UP Bylaws any member of the BOTTOMS-UP Consortium can declare his/her interest to become opt-in author. The first author is required to preliminarily accept one such offer from each dataset that represents at least 2% of the data in the analysis. It is upon the discretion of the first author whether to accept any opt-in offer beyond this requirement. Persons interested in opt-in authorship can be nominated until with e-mail to the first author (and cc: to the BOTTOMS-UP Governing Board), explaining which dataset(s) they represent and preferentially also how they could contribute. Note however that such a nomination only means the option to become co-author. In the end only those persons will be retained as actual co-authors who have made a significant intellectual contribution to the paper during the course of its preparation (in accordance with BOTTOMS-UP Bylaws and compliance to ethics in academy).

Data to be used:

- Do you need data for specific regions, forest categories or silvicultural regimes? No
- Will you use both datasets allowing for stand and plot-level aggregation of multi-taxon data or only one of these two? Yes
- For which taxonomic group do you need data? Please refer to the attached list of taxonomic groups TAXA.xlsx

Data on all the available taxonomic groups are requested. During the initial data analysis and exploration, the taxa relevant to the main goals will be selected based on the availability of data related to Tree-Related Microhabitats.

- Do you need data on standing trees (including snags, standing dead trees and stumps)? Yes
- Do you need data on lying deadwood? Yes

Time line:

Deadline for permission of data usage from custodians: May 2025

Extraction of data from BOTTOMS-UP: June 2025

Data preparation and analysis: September 2025

Raw results to be sent to the wider author team: November 2025

Workshop with the wider author team: December 2025

Writing up of the paper (including preparation/optimization of figures): Feedback round of co-authors to MS: February 2026

Submission: April 2026

Confirmation:

I confirm that I will adhere to the BOTTOMS-UP Bylaws.

Date

28/03/2025

Signature

