Investigating functional and taxonomic diversity of plants in a gradient of land uses and climate in Bavaria (Master Thesis)

Background: To understand how plant functional and taxonomic diversity varies along a gradient of common land uses and climate found in Bavaria, an extensive dataset of plant species recorded in the LandKlif project, which focused on the study of land use and climate effects on biodiversity and ecosystem services, will be analyzed.

Methods:
- Data management of plants recorded between 2019 and 2020 in 79 study sites.
- Collection of functional traits of the recorded plants from databases and other secondary sources.
- Analyses of the relationship between functional plant diversity with site and landscape factors measured at the study sites (data available).
- Potential linkages with, e.g., insect data are also possible (data available).

Start: Flexible, from March 2024 on

Requirements:

- You are a highly motivated student who enjoys researching databases and other sources for collecting plant traits.
- Basic knowledge of botany and functional ecology is advantageous.
- Experience in working with GIS tools and data analyses in R is highly welcomed.
- Willingness to produce a scientific paper out of the thesis project.

Please send an e-mail with your background (CV) and a short statement of motivation for being involved in this project.

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