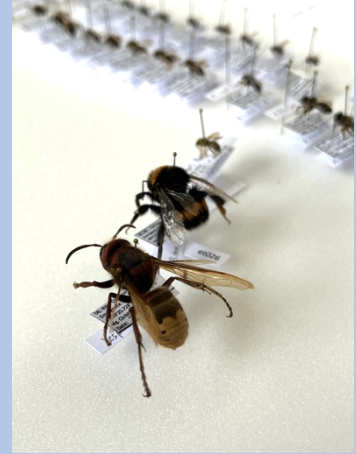


Master Thesis Topic

Chair of Nature Conservation and Landscape Ecology (AG Klein)



The Impact of Ploughing on Ground-Nesting Arthropods in Flower Strips

Perennial flower strips offer benefits for enhancing biodiversity in the agricultural landscape by providing undisturbed nesting habitats for soil-nesting arthropods. Temporal continuity and management practices, such as tillage, may be important factors influencing the effectiveness of perennial flower fields as habitat-providing restoration measures.

To study these factors, we are collecting **soil-nesting arthropods** on ploughed and unploughed perennial flower fields of different age around Freiburg with a custom-designed type of emergence trap. The aim of the thesis is to study the effects of the **age** of flower strips and of **ploughing** on the biomass and community composition of soil-nesting arthropods. Depending on your interest, you can also choose to take a closer look at particular insect groups or focus on the effect of landscape complexity.

Start: as soon as possible

Methods: Lab work (identifying and sorting insects) and data analysis

Interested? Get in touch: christopher.hellerich@nature.uni-freiburg.de

