

## MSc and BSc internships on plant-soil interactions, land-use, and resilience to extreme climate events



**Interactions between plants, soil, and microbiota underpin above-ground plant community dynamics, including diversity, succession, and resilience to climate change disturbances such as drought. However, agricultural land-use disrupts these interactions, leaving long-lasting legacies in the soil that reduce plant community diversity and weaken resilience to extreme climate events.**

In this project, we will test how long agricultural land-use legacies persist in the soil and how these influence plant community responses to extreme drought. For this, we will collect plants and soil from a chrono-sequence of grassland sites in the Dutch region 'De Veluwe', which have been abandoned from agricultural practices for 0 to 47 years. Using this material, we will conduct greenhouse experiments to assess the effects of soil legacies on plant community drought responses.

If you are enthusiastic about experimental work using plants and soil, please get in touch!

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