



## MSc Thesis: Effects of climate change, land-use change and diversity on carbon pools in Africa's woodlands

### Description:

In Sub-Saharan Africa, deforestation and agricultural intensification have devastating effects on carbon storage. Within the framework of a large international project, carbon pool dynamics in West Africa's agricultural landscape are studied. The research focuses on study sites in three West African countries (Ghana, Burkina Faso and Niger) along a steep climate gradient. The master student will investigate how climate change and land-use jointly affect carbon storage and other essential ecosystem services, including biodiversity. During the field work the applicant will partake in ecological data collection.

### Collaboration:

GreenGaDe Project with West African and German researchers (link [here](#))

### Requirements:

- Master student in ecology or related field (MEEC, botany, etc.)
- Knowledge of plant functional traits is an advantage
- Fluent in English

### Tasks:

- 6-7 weeks of fieldwork in Ghana, Burkina Faso & Niger (Spring 2022)
- Laboratory work
- Statistical analysis

### What we can offer:

- financial coverage of fieldwork
- participation in the GreenGade project
- work in an international research group focusing on global change ecology

### You are interested or have questions? Contact:

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