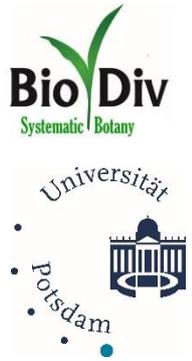


IGZ



BSc or MSc Thesis: Phenological responses of grassland species to climate change

Description: Plants are “living instruments” for measuring climate change: the distribution and behaviour of plants around the world has already been altered by climate change, and this process is continuing. Additionally, plant phenology also responds to climate change independent cues, particularly photoperiod. Results from the Global Change Experimental Facility suggest that distinct “phenology response types” exist, which are connected to plants’ functional strategies. In your thesis, you will set up a phenology experiment to find out if plants with different strategies differ in the relative importance of environmental cues. There will also be the opportunity to use molecular tools to measure gene expression changes in response to the environment. These results will help us understand how plant communities will respond to ongoing climate change.

Collaboration:

Prof. Dr. Philip Wigge,
Leibniz Institute of
Vegetable and
Ornamental Crops
(IGZ), Großbeeren (link
[here](#))

Requirements:

- BSc or MSc studies in organismic biology/ ecology
- Ability to travel to Großbeeren regularly

Tasks:

- Conduct a climate chamber experiment with grassland species
- Record plant phenological events
- Laboratory work
- Statistical analysis

What we can offer:

- Work in an international research team focusing on global change ecology
- Research at the intersection of functional ecology and molecular biology

You are interested or have questions? Contact:

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