

Master thesis on the topic

„Beech forests under increasing drought stress“

Within the framework of the project "sensFORbeech", the Chair for Forest Growth and Yield Science and the Bavarian Office for Forest Genetics (AWG) are establishing experimental plots in beech forests on edaphic dry sites. Against the backdrop of climate change, the aim of the project is to identify climate tolerant beech stands at warm-dry regions.

As a first part of the thesis, field work lasting several days is planned in northern Bavaria in October and November 2022. Interested students should therefore be prepared to work outside even under bad weather conditions, such as rain or cooler temperatures. Furthermore, the work includes the analysis of forest growth data with the help of statistical models, in particular using methods of tree-ring analysis. Within the thesis it is required, that the students familiarise themselves with the fields of dendroecology and statistics. Support is provided, but self-dependent work is necessary.

Possible topics of the thesis could include examining wood density traits as indicators of acclimation to increasing drought stress or comparing vital and declining individuals in terms of their past growth trajectories.

There is the possibility of employment as a student assistant during the thesis.

If you are interested or have further questions, please contact:

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