

# Geobotany / Applied Ecology

## Master Thesis

### Progression of ash dieback in Schleswig-Holstein

**Background:** One aspect of **global change** is the rapid spread of pathogens over long distances. This includes the **ash dieback disease** caused by the ascomycete *Hymenoscyphus fraxineus*. The **FraDiv** project investigates the effects of ash dieback on the **biodiversity** of **ash-rich forests** since 2019.

**Methods:** Progression of ash dieback in Schleswig-Holstein will be documented by **repeated monitoring** of mature ash trees within the frame of the **FraDiv monitoring plots**. The course of the disease will be quantified at the individual tree level and related to biotic and abiotic characteristics of the habitat. Additional **analyses of stem and soil material** may become included in cooperation with the NW-FVA\* to provide information on the pathogen communities.

**Begin:** July 2021 – max. Aug. 2021

**Contact:** Dr. Katharina Mausolf, [kmausolf@ecology.uni-kiel.de](mailto:kmausolf@ecology.uni-kiel.de)



Symptoms of the ash dieback disease on mature ash trees