

Early stress detection in Austrian ecosystems with sun-induced chlorophyll fluorescence

The Biometeorology group at the University of Innsbruck (www.biomet.co.at) is looking for a PostDoc to work on a 3-year project investigating the potential of joint measurements of solar-induced chlorophyll fluorescence (SIF) and the photochemical reflectance index for the early stress detection in terrestrial ecosystems.

The project involves proximal sensing of SIF and VIS/NIR reflectance combined with active leaf chlorophyll fluorescence measurements at a variety of European flux tower sites and process-based simulation modelling.

The ideal candidate holds a PhD or equivalent degree in a pertinent field and has demonstrated experience in field spectroscopy and canopy radiative transfer modelling and a solid plant ecophysiological background and is able to efficiently analyze large diverse datasets and publish research in high-ranked peer-reviewed journals. A valid driving license is a must, as well as the willingness and ability for extensive field trips. Excellent English communication skills are a prerequisite.

This is a 100 % position (40 hours/week) available between 1st January 2021 and 31st December 2023 with an annual net salary of ca. 35 500 Euro.

Please send inquiries and applications (CV & letter of motivation) to georg.wohlfahrt@uibk.ac.at.