

From: Marketa Chaloupkova
Subject: Postdoctoral Position: Dendroecological perspectives on temperate mountain forest dynamics of Central and Eastern Europe

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Type of employment: Temporary position – until the end of 2018 (with possibility to extend to permanent position) Working hours: Full time
First day of employment: summer 2017 Number of positions: 1 City: Prague
Country: Czech Republic

Czech University of Life Sciences in Prague, Faculty of Forestry and Wood Sciences

We are seeking a postdoctoral researcher to join our team within the Forest Dynamics Lab of the Department of Forest Ecology, Faculty of Forestry and Wood Sciences in Prague, Czech Republic. The project is titled "Disturbance regimes as drivers of structural variability, carbon dynamics and biodiversity at the stand and landscape levels in primary mountain forests in central and eastern Europe."

Disturbance plays a dominant role in shaping the structure and function of forest ecosystems, but quantification of disturbance effects is typically limited by missing information on a location's history and a region's disturbance regime. Our lab uses tree-ring data to reconstruct site histories, providing insight into how forest characteristics recover from disturbances of variable severity. We are particularly interested in linking patterns in the severity and frequencies of disturbance to variation in tree size structure, carbon dynamics and biodiversity.

The successful candidate will have access to a completed database of 20 000 tree cores collected from 1000 forest plots distributed throughout remaining patches of old-growth forest in central and eastern Europe. Plots are distributed in a hierarchical design (i.e. plots nested within stands, within landscapes throughout the Carpathian mountain range). The aim of the design is to partition the effects of disturbance effects at a variety of scales, from local variation among neighboring locations due to smaller-scale gap dynamics to more extreme events impacting entire landscapes.

The selected candidate will be expected to lead projects using available tree-ring data to link tree growth and biomass dynamics to abiotic and biotic factors. Responsibilities will predominantly be data analysis and manuscript preparation. Opportunities to visit some of our impressive field locations will be available, but the candidate is not expected to participate in data collection.

We are a young and energetic research team with close collaborations with international partners. Opportunities exist for international exchange visits and meetings. To obtain more information about our team, visit https://urldefense.proofpoint.com/v2/url?u=http-3A__scholar.google.cz_citations-3Fuser-3DDaBJTM4AAAAAJ&d=CwIF-g&c=Ngd-ta5yRYsqeUsEDgxbqcsYYY1Xs5ogLxWPA_2Wlc4&r=e2OJ1azRFn8ihJzb2HxZT0AqoiqLvxfeeTyN59ZLol&m=h_f6kiK8HFKeMpk9jBlcUV5nwXj5sWoOXgQFSqoLvJM&s=JhPO2znX-QtDFPgwX6603vVFUSSua_lewv2tKkZ_VBU&e=

Applicants should have a PhD (at the time of hire) in environmental or related sciences (biology, ecology, geography, forest sciences), and excellent English communication and writing skills on the level of native speaker is essential.

Salary: 1300 – 1600 EUR based on the previous experience and performance

We offer a 2-year position starting as soon as possible. The starting monthly salary will be around 1300-1600 Euro, which represents double of the median salary in the Czech Republic. To compare living costs see

here: https://urldefense.proofpoint.com/v2/url?u=https-3A__www.expatistan.com_cost-2Dof-2Dliving&d=CwIF-g&c=Ngd-ta5yRYsqeUsEDgxbqcsYYY1Xs5ogLxWPA_2Wlc4&r=e2OJ1azRFn8ihJzb2HxZT0AqoiqLvxfeeTyN59ZLol&m=h_f6kiK8HFKeMpk9jBlcUV5nwXj5sWoOXgQFSqoLvJM&s=HKytEB5xyj2bjGQ18OrkDB8qhvBnO4pek6tje5y_Zk&e=

In addition, there is a share increase based on the personal performance.

Applications: Please attach a CV listing skills and qualifications, a list of publications and other documents deemed important by the applicant. Applicants should provide a short statement outlining why they believe themselves to be suitable for the above position. Applicants should include contact information for two references, one being the current or most recent employer.

Send the application to the following address: Miroslav Svoboda Email: svobodam@fd.czu.cz Postal address: Czech University of Life Science, Faculty of Forestry and Wood Science, Kamycka 129, Praha 6 Suchdol, 16521, Czech Republic