We are seeking a postdoctoral research fellow to work in forest ecology and management with Dr. Dave Morris, Centre for Northern Forest Ecosystem Research, Ontario Ministry of Northern Development, Mines, Natural Resources and Forestry, and Dr. Nelson Thiffault, Canadian Wood Fibre Centre, Natural Resources Canada.

The research area will be the silviculture and management implications of using mycorrhizal inoculation technology for seedlings planted in boreal and sub-boreal ecosystems, based on individual tree metrics, stand level metrics and a broader suite of ecosystem functions, in the context of carbon sequestration and the development of alternatives to the use of chemical herbicides for stand tending. The project will include a retrospective analysis of previously established 20-year-old plantations, and the establishment of a prospective experimental design.

Desired areas of expertise include silviculture, forest ecology, tree physiology, soil nutrition, mycorrhizal ecology and carbon modelling. Facility with geographic information system tools and experience with programming and conducting statistical analyses in R is required.

The researcher will have opportunities to interact with members of the Herbicide Alternative Program 2.0, which includes partners in governmental agencies, forest product companies, and a strong connection with First Nations communities of northeastern Ontario, initiators of the project. The researcher will become a member of the Centre for Forest Research (http://www.cef-cfr.ca/index.php?n=Actualit%e9.Accueil?userlang=en).

We are looking for a motivated and dynamic individual with a PhD in forestry, biology, environmental sciences or a related field, with relevant research experience, including strong organizational and leadership skills. The location for the position would be negotiable, with extensive travel during the summer field season throughout Northern Ontario, Canada. The candidate should be fluent in English, written and oral. Knowledge of French will be considered an asset.

This is a two-year position starting in 2022, including a salary of approximately 80,000$/year supported by a grant from Sustainable Development Technology Canada (https://www.sdtc.ca/en/) awarded to Mikro-Tek (https://www.mikro-tek.com/) and Wahkohtowin Development GP, as a consortium partner (https://wahkohtowin.com/). The contract with SDTC is held by Mikro-Tek who will manage the funds.

TO APPLY: please contact Dr. Morris (Dave.M.Morris@ontario.ca) and Dr. Thiffault (Nelson.Thiffault@NRcan-RNcan.gc.ca) and submit a CV including publication list, a 3-page statement of research interests and experience that also describes how you meet the requirements identified above, and the contact details for three references. Reference letters will be requested for shortlisted applicants. We will acknowledge receipt of your application; do not contact us thereafter as only shortlisted candidates will be notified of further steps. Applications will be considered until the position is filled.

We consider that inclusiveness and diversity are critical to the success of any research endeavour, and strive to be equal-opportunity and affirmative-action supervisors. All qualified applicants will receive consideration for employment, regardless of ethnicity, origin, age, gender, beliefs, religion, or sexual orientation. The selected candidate will be expected to foster an environment that is supportive and welcoming of all groups.