

PhD or MSc position - call for students



Assessment of sap dynamics in maple syrup production

Synopsis - We are seeking highly motivated PhD and MSc students for assessing the ecophysiology of sugar maple and the sap dynamics for maple syrup production.

Project – The projects investigate several aspects related to maple syrup production, including (1) the ecophysiology and growth of sugar maple, (2) sap dynamics and maple syrup production at different time scales, (3) relationships with weather conditions. We offer an exciting opportunity to lead a research activity, demonstrate scientific skills, build and maintain partnerships with local producers, and publish in international journals.

Candidate profile - The students are expected to develop autonomously their research, work in close cooperation with academic and governmental scientists, and practitioners, and spread knowledge both across the scientific community and to the local partners of the project. Candidate must demonstrate (1) a background in agronomy, forestry, plant ecology, or related disciplines, (2) knowledge in one of these fields: ecophysiology, plant phenology, climate-growth relationships; (3) skills in statistics and data analysis, and an interest in modelling; (4) ability to communicate in French and/or English; (5) self-motivation, critical thinking. A driving licence is required. We consider candidates with backgrounds in mathematics and statistics if willing to apply their knowledge in the field of ecology.

Working environment - The activities will be based at the Northern boundary of the sugar maple distribution, at the [Université du Québec à Chicoutimi](#) (QC, Canada), under the supervision of Sergio Rossi. The University is located in a French-speaking Province at the border between the temperate and the boreal forest. More information on the lab is available at [UQAC](#) and [CEF](#). An annual scholarship of 23,000 \$ (PhD) or 18,000 \$ (MSc) is available for the duration of the study period. The amount can be increased based on the performance and funding availability. Beginning: as soon as possible.

Application - Applicants can send the candidature by email to [Sergio Rossi](#) by attaching one pdf including (1) letter of motivation demonstrating how the skills required for this position are met; (2) CV; (3) academic transcripts; and (4) contact details of three independent academic references. Candidatures that do not respect these criteria will be discarded. The lab promotes excellence through diversity: women and individuals from other historically under-represented groups are encouraged to apply.