

Gembloux, January 24, 2023

Postdoctoral fellowship offer

Elaboration and multi-criteria comparison of silvicultural scenarios taking into account risks and uncertainties associated with climate change

The Forest Resources Management Unit of the University of Liege - Gembloux Agro-Bio Tech is recruiting a post-doctoral researcher in forestry to develop its research in the framework of the [Rege+](#) project. The fellowship offer is open to PhDs in an international mobility situation.

Job description

Contrasting silvicultural itineraries will be tested by simulation for [different study cases](#) and different climate scenarios. The candidate will have to :

- ✓ Participate in the monitoring of field experiments;
- ✓ Model the growth of oak and beech young trees;
- ✓ Participate in the development of a simulation plan to compare different regeneration methods;
- ✓ Calculate indicators of regeneration development, diversity, profitability and resilience;
- ✓ Perform a multi-criteria comparison of the simulated scenarios;
- ✓ Write and publish a synthesis of the results;
- ✓ Write a literature review on methods to evaluate the economic interest of simulated silvicultural itineraries taking into account risks and uncertainties.

Profile

- ✓ Master's degree in environmental science.
- ✓ PhD degree obtained within the last 10 years.
- ✓ The candidate must not have resided or exercised his/her main activity (employment, studies, etc.) in Belgium for more than 24 months during the last 3 years. Short stays such as vacations, participation in conferences/symposiums are not taken into account.
- ✓ Extensive knowledge of forestry.
- ✓ Extensive knowledge of data management and statistical analysis (modeling).
- ✓ Ability to work in a team.

The activities will take place within the ForestIsLife research team, on the Gembloux Agro-Bio Tech site but travel to Louvain-la-Neuve (UCLouvain) will be frequent. The expected start date will be between September 1, 2023 and January 1, 2024. The duration of the commitment is 14 months.

Applications (CV and letter of motivation) should be sent by e-mail to Gauthier Ligot (gligot@uliege.be) as well as any further inquiries. The deadline for applications is March 12, 2023.

