

We are looking for a motivated and independent researcher for the SEEDFOR project. The aim of SEEDFOR is to understand how climate change and management can shape the redistribution of forests in France. Specifically, how regeneration dynamics could shape the transition between Mediterranean and Temperate Biome. Our goal is to understand how the seed and seedling stage constraint tree species range shifts through ecological (seed ecology and microclimates) and management processes (provenance planting choice, harvesting intensity).

The researcher will lead the modeling of potential forest biome shifts by integrating data from experiments on seedling establishment, forest inventory data, and modeling microclimate. The postdoc will create innovative scenarios to assess the potential for rapid shifts in forest types in France as a result of microclimate, regeneration and forest management.

We expect a candidate willing to link seed ecology, forest ecology and biogeography through modeling work, publish their results in international journals, and transfer the results to local management team.

The position is based in Nancy. A beautiful small city in North Eastern France and a cluster of major forest research in France and Europe. The successful candidate will be joining the SILVA lab, a large French scientific cluster with colleagues working in different Forest Science disciplines. The SILVA Lab is a joint venture of AgroParisTech (QS Ranked 4th in Forestry), the University of Lorraine as well as the French National Institute for Agronomic Research and the Environment (INRAE).

Skills relevant to the position:

- Relevant scientific coding skills, especially in R. Statistical modeling in Ecology, including spatial statistics and species distribution models.
- Experience with forest simulation models (LANDIS-II, FORCEEPS, etc) or individual based models more generally.
- Ability to write and communicate in English, and demonstrated evidence to publish scientific peer-reviewed articles in the field.

We offer:

- Two-year contract with a competitive salary in France – commensurate to experience.
- A field technician support team who will help out during the experiment.
- Join one of the largest forest science teams in France ([SILVA Lab](#)), with access to facilities such as greenhouses and plant growth chambers.
- Join the [Excellence Lab ARBRE](#).
- Flexibility for working from home.

How to apply?

Please upload [HERE](#) the **three documents required (see below) in ONE ZIPPED FILE with the following file naming convention: LASTNAME_FIRSTNAME.zip.**

- (1) a motivation letter (1.5-pages maximum) specifying how your past experience is linked to the position we are offering.
- (2) Your CV
- (3) The contact details (full name, position, institution, email and address) of two individuals who could provide a reference letter for you (in English, Spanish, French or Catalan)

Materials should be submitted by October 1st 2023. After an initial screening phase finishing in we will interview short-listed candidates soon thereafter. Expected starting date: between end of October and December 2023.

Submit your applications materials as three separate pdf documents (motivation letter, CV, reference letters contact).

For further enquiries please contact: pep.serradiaz [at] agroparistech.fr or pep.serradiaz [at] uconn.edu