

Associate/Full Professor in Forest Sciences in AgroParisTech

AgroParisTech — the Institute for Life, Food and Environmental Sciences — is recruiting an associate/full Professor in Forest Sciences in its center located in Nancy (France). We are looking for a motivated scientist with leadership capacity in the field of sciences for forest engineering (silviculture, management, inventory, etc.), and demonstrated ability to supervise PhD and Master students.

Silviculture and forest sciences can no longer be thought of as an empirical search for optimized equilibrium systems designed on the scale of the forest stand, but rather as an adaptive response integrating nested spatial scales. We are seeking for an individual capable of developing a research project aimed at integrating knowledge from fundamental forestry sciences into stand or landscape management in order to adapt them to climate change and society's expectations. We are particularly interested in individuals whose research program will translate into research outcomes important for decision-making, and support innovation for the adaptation of forests to global change, in both social and environmental facets. An involvement in international networks in these fields will be particularly appreciated.

AgroParisTech and the Department of Agriculture, Forestry, Water and Environmental Sciences (SIAFEE)

AgroParisTech is a higher education and research institute, ranked 4th worldwide in the field of Agriculture & Forestry (QS World University Rankings 2021). The institute is focused on food and nutrition, environmental protection, sustainable management of natural resources and, more generally, land use and resources planning.

The SIAFEE department brings together 55 faculty working in fields related to innovative and sustainable agronomy and forestry, production systems, environmental risk assessment, natural resource management, in both rural and urban settings.

AgroParisTech is focused on master level (engineer and master of science) and doctoral level training, as well as advanced (post-master) courses. It also contributes to the training of public employees of civil service and natural resource engineers through life-long learning courses (AgroParisTech executive).

Research environment

The recruited faculty will join the SILVA Joint Research Unit¹ (UMR) that gathers researchers from AgroParisTech, The University of Lorraine and the National Institute of Agriculture, Food and the Environment (INRAE). The SILVA research team is a leading research unit in forestry sciences, with ca. hundred permanent staff, and conducts multidisciplinary research on wood, trees and forest ecosystems. It is part of the ARBRE cluster of excellence (LabEx)², the only LabEx devoted to forests, integrated into the I-SITE LUE³, whose project is excellence in systems engineering.

The candidate will have access and collaboration to multiple facilities and networks such as:

¹ <https://www6.nancy.inrae.fr/silva/>

² <https://mycor.nancy.inra.fr/ARBRE/>

³ <http://lue.univ-lorraine.fr/en>

- the IN-SYLVA France network⁴, a national infrastructure grouping together forest management research systems, and in particular the GIS Coop, a data cooperative on forest stand growth⁵,
- the CAPSIS modeling platform⁶, but also the FFSM (French Forest Sector Model) economic forecasting model and the CAT (Carbon accounting tool) model,
- the SILVAE data platforms⁷ (spatialization of environmental data), but also OLEF⁸ (observatory for the forest economy),
- The databases and tools of the national forest inventory (with the Forest Inventory Laboratory, LIF, located on the AgroParisTech campus),
- UMR SILVA's innovation teams: RENFOR⁹ (R&D team on forest renewal) and Forest Inn Lab (open innovation on forest-society relations), and inclusion in the AFORCE RMT¹⁰ on forest adaptation to climate change,
- The AgroParisTech forests, more than 700 ha less than 20 km from Nancy.

Teaching profile

Teaching responsibilities will include courses at Master level in the *International Master in European Forestry*, and participation in the form of lectures at different Masters programs such as: Forests and their Environment (FEN), Agricultural and Forest Ecosystems (ECOSAFE), Wood and Forests Sustainable Development (BFD).

As regards the engineering curriculum, the recruited Professor will participate in the management of the AgroParisTech establishment diploma in Forest Sciences and Engineering and will teach in the three years of this curriculum and, in particular, in the third year, in the Forest Management (GF) and Forest Resources and Wood Sector (RFF) majors.

Finally, he/she will propose and lead digital teaching and continuing education projects, in particular by piloting the teaching activities of the RENFOR Research-Innovation-Pedagogy cluster (French Forest Service, INRAE, AgroParisTech) on forest stand renewal.

Other important information

Expected pay scale is weighted upon experience and will be between 2500 and 4000 €/month (take-home pay).

Benefits of a public employee and working in France include full social security and free public education system from kindergarten to University.

The recruited professor will be appointed at the Nancy Center in Lorraine (France). Nancy is a university cluster bringing together several engineering schools and the University Lorraine. With a population of more than 100 000 inhabitants and almost 300 000 in their urban area, Nancy has been classified as the fourth French student city, according to the ratio of students in the population. More information about the city of Nancy here: <https://www.nancy-tourisme.fr/en/>

⁴ <https://www6.inrae.fr/in-sylva-france/>

⁵ <https://www6.inrae.fr/giscoop>

⁶ <http://capsis.cirad.fr/capsis/presentation>

⁷ <https://silvae.agroparistech.fr/>

⁸ <https://www6.nancy.inrae.fr/lef/Observatoire>

⁹ <https://www6.inrae.fr/renfor/>

¹⁰ <https://www.reseau-aforce.fr/>

To apply

Minimum requirements

- 1) a PhD in Forest Sciences or similar.
- 2) Demonstrated ability to supervise a PhD students — e.g. have directed a PhD student in the past.
- 3) Teaching experience.
- 4) Demonstrated ability to attract research funding.
- 5) We expect candidates to have a basic knowledge of French language, although expectations around language are not going to be determinant for the position. We encourage all applicants with basic level of French language to apply (level B1). We expect candidates to be fluent in French within 3 years of their recruitment.

Application and selection process:

The official application is expected to be launched in a few weeks. The applicants will be requested to send within one month the following documents:

- 1) Activity Report.
- 2) Teaching and Research perspectives, highlighting your teaching and research philosophy and your envisioned program.

Applications must be submitted in French language, but we encourage all applicants to apply, as the level of French language is not a criteria for selection.

After a first selection step based on these documents, the selected candidates will be invited to present their experience to a board of examiners, and to give a course on a topic given the day before. These hearings will be planned in November or December.

The job is supposed to start in January 2022.

More information:

For further information on the recruitment process or the position, please contact:

Myriam.legay@agroparistech.fr

Bruno.ferry@agroparistech.fr