

**The Bioeconomy Programme of
the European Forest Institute (EFI) is seeking a
Researcher
on Climate-Smart Forestry**

The European Forest Institute (EFI) is an international organisation with 30 member countries and around 130 associate and affiliate member organisations. EFI undertakes forest research and policy support at pan-European and global level, with headquarters located in Joensuu, Finland. EFI has its other main offices in Barcelona, Bonn, Rome and Brussels. The Institute has app. 120 staff members and has an annual turnover of app. 15 million Euros. Further information about the organisation is available at www.efi.int.

EFI's Bioeconomy Programme addresses the need for foresight, interdisciplinary and cross-sectoral research at the interface of markets, products, policies and forest resources. Some of the key research topics of the programme include (i) the future demand and supply of forest products, forest biomass and ecosystem services, and their implications for sustainable forest management as well as for afforestation and plantation forestry; (ii) sustainability impact assessment and monitoring of forest-based products and services value chains; (iii) the future markets of increasingly diversified and cross-sectoral forest-based products and services as a result of socioeconomic and policy changes; and (iv) the role of innovation and digitalization, and policies affecting sustainable bioeconomy development.

To reinforce EFI's Bioeconomy Programme, EFI is seeking a Researcher on Climate-Smart Forestry.

Tasks and responsibilities

The Researcher will work in the EU-funded FORWARDS, HoliSoils and Eco2Adapt projects. Within these projects, the researcher will improve, develop, and apply the spatially explicit EFISCEN-space forest resource model and will lead the development of good practise guidance to forest practitioners on climate-smart restoration practices. Specific tasks include

- Develop data assimilation routines that allow for the use of European-wide, spatially explicit data on forest structure and composition in the EFISCEN-space forest model, derived from remote sensing and other sources.
- Extend the functionality of the EFISCEN-space forest model to understand and integrate future threats to European forests, incl. extremes and natural disturbances, based on data derived from remote sensing and other sources.
- Apply the model for analysing the effectiveness of climate-smart forest management and restoration options and for scenario projections of forest resource development under future climate and socio-economic conditions.
- Support the development of a spatial database on existing research and experimental management trials on CSF and restoration forest management in Europe.
- Lead the development of good practise guidance to forest practitioners on climate-smart forest management and restoration practices.

The Researcher will also be expected to:

- Communicate scientific results to forest practitioners
- Contribute to research funding applications.
- Support project management (contents, finances, reporting).
- Lead and contribute to scientific publications and other reports.

- Communication and networking; present and communicate research results to decision makers, researchers, and stakeholders, and the general public.

Qualifications

- Doctoral degree in forestry or environmental sciences, or a closely related discipline
- At least 4 years of relevant working experience.
- Knowledge and skills in programming (Python, Java, R) and spatial data processing are requirements.
- Prior experience with modelling and ability to work with large datasets are requirements.
- Ability to communicate scientific results to the general public.
- Solid writing, reporting and presentation skills.
- Established track-record of publishing in peer-reviewed scientific journals.
- Experience and readiness to work in multi-disciplinary teams in multi-cultural environments.
- Professional proficiency in English, both spoken and written, is required. Other languages are an asset.

Duty Station

The employee will be based at EFI's headquarters in Joensuu, Finland.

Employment Conditions

The employee will be an EFI staff member. The employment will be for five years with the possibility for further extension, dependent on project opportunities and successful candidate's performance.

The successful candidate will be expected to take up the position as soon as possible but no later than April 2023.

Interested candidates are requested to submit (in English) a motivation letter, a CV including a publication list and copies of academic degree certificates/diplomas by 9th January 2023 using our [online](#) application form.

For more information about the post, please contact Dr. Hans Verkerk, Principal Scientist Climate-Smart Forestry: hans.verkerk@efi.int.

EFI is an equal opportunity employer. All applications will be treated confidentially.

Please note that only candidates that have been shortlisted for an interview will be contacted.