

Open position at AnaEE-ERIC

POSTDOCTORAL RESEARCHER IN AGROECOLOGY

AnaEE-ERIC is seeking a **Postdoctoral Researcher for its European Project PHENET**

Location: Gif-sur-Yvette, near Paris (France)

Application Deadline: 22 November 2024

CONTEXT

AnaEE-ERIC, the European Research Infrastructure Consortium for ecosystem research, seeks a motivated Postdoctoral Researcher for the “Tools and methods for extended plant PHENotyping and EnviroTyping services of European Research Infrastructures” (PHENET) project. The role focuses on developing phenotyping technologies to assess agroecosystem functions and support long-term agroecological monitoring. It also promotes FAIR data integration for agroecology.

As Europe seeks agroecological transitions for food security, climate resilience, biodiversity, and soil restoration, PHENET's consortium of European RIs will develop tools to identify resilient species, genotypes, and practices for future climate scenarios. The project strengthens RIs and fosters innovation in phenotyping and climate-smart agriculture.

More: <https://www.phenet.eu/en>

ROLES AND RESPONSIBILITIES

- Engage in analysing the technology, tools and methods that were developed within the PHENET project and tested for their potential to establish new services (e.g. new sensors mounted on low-energy pheno-devices and new AI solutions embarking edge computing solutions to limit dataflow, new Earth Observational (EO) services connected to ground based data, new modelling solutions as digital twins and hybrid AI to transform data produced into usable knowledge and prediction).
- Develop and implement tools and methodologies to assess and enhance the appropriate spatial and temporal scale about envirotyping (the diversity of biotic and abiotic environments faced by plants and agroecosystems, including biochemical cycles), and phenotyping (the time course and genetic variability of plant adaptive traits in the diversities of environments and agroecosystems).
- Contribute to the management and coordination of activities related to project, including budgeting, reporting, and compliance with EU regulations.
- Collaborate with multidisciplinary teams across different RI and with international partners to advance project goals.
- Publish research findings in high-impact scientific journals and present at international conferences.
- Assist in proposal writing and securing additional funding for future research initiatives.

REQUIREMENTS AND SKILLS

- PhD in Botany/Plant Physiology, Genetics and Genomics, Ecology, Agronomy, Biotechnology, Data Science and Engineering, or a closely related field.
- Proven experience in understanding the functioning of different agroecosystems.
- Understanding of AI or statistical modelling solutions, leveraging phenotypic and environmental data for analysis and prediction of the interaction between species or genotypes, environments and management practices.
- Strong analytical skills and proficiency in relevant software tools for environmental assessment and statistical analysis.

- Demonstrable experience in writing papers, reports, publications, and presentations.
- Ability to work effectively in a collaborative team environment and manage multiple tasks simultaneously.
- Self-starter and autonomous.
- Strong oral and written communication skills, especially in an international environment
- Excellent written and verbal communication skills in English (CEFR level C1).
- The knowledge of a second language spoken in the EU will be an asset.
- The position requires travelling in Europe and abroad.

CONDITIONS

This position will be under the hierarchical responsibility of the Director General of AnaEE-ERIC. It will be a contract bound to the completion of the above-mentioned project, expected by the end of the December 2027 (“CDI de chantier” according to the French law), with a probation period of 4 months, renewable. Non-EU nationals should have a valid full-time work permit for France at the date of their application or in position to get it by the end of December 2024 as the latest.

WE OFFER THE FOLLOWING:

- Competitive salary and benefits, and a vibrant workplace in the heart of France with a strong emphasis on work-life balance.
- Two days of remote work authorized per week.
- A benefit package including a comprehensive health insurance, pension liability, public transportation subsidies, Ticket Restaurant...
- A relocation package will be offered when appropriate, according to the existing rules in AnaEE-ERIC, and compliant with the French law.
- The opportunity to work in world-leading international research institution with state-of-the-art facilities.
- Access to collaborative projects with academic and industrial partners across Europe.
- A supportive environment that fosters professional growth and development.

HOW TO APPLY:

To apply, send us the following documents at admin@anaee.eu (only pdf format will be accepted):

- CV (2 pages maximum)
- Cover Letter (1 page maximum)
- Research Statement (1 page maximum)
- List of publications, highlighting the 3 more relevant contributions.
- Names, position and email addresses of at least 2 reference persons.

Application Deadline: 22 November 2024, applications may be reviewed prior to the closing date, so early submission is encouraged.

Anticipated start of work: 06 January 2025

AnaEE-ERIC is an equal opportunity employer and welcomes applications from any country and will examine the application regardless of gender, disability, or supposed minority status.

AnaEE-ERIC is an intergovernmental research organization established under the European Council (EC) regulation 723/2009 on the community legal framework for European Research Infrastructure Consortium (ERIC) legal status. AnaEE-ERIC provides tools to understand the multiple global change drivers on terrestrial and aquatic continental ecosystems across Europe. It proposes access to a distributed, versatile network of facilities that can simulate environmental drivers from land-use change, pollution, biological invasions, rising atmospheric greenhouse gases concentrations, and to increasing extreme events such as droughts and heatwaves. AnaEE-ERIC advances ecosystem science and contributes to effective environmental management by making highly specialized tools and services accessible. Further information on the aims, mission, governance, and statutes of AnaEE-ERIC can be found at <https://www.anaee.eu/>