

JOB POSITION

Three-year post-doctoral researcher in ecology

The French National Research Institute for Agriculture, Food, and the Environment (INRAE) is a public research establishment. It is a community of 12,000 people with more than 200 research units and 42 experimental units located throughout France. The institute is among the world leaders in agricultural and food sciences, in plant and animal sciences, and is 11th in the world in ecology and environment. INRAE's main goal is to be a key player in the transitions necessary to address major global challenges. In the face of the increase in population, climate change, scarcity of resources and decline in biodiversity, the institute develops solutions for multiperformance agriculture, high quality food and sustainable management of resources and ecosystems.

WORKING ENVIRONMENT AND ACTIVITIES

■ You will be welcomed in the « Biodiversity and Ecosystem Services » Group of the SAVE Unit (Bordeaux, France). Our group has broad interests in community ecology, landscape ecology, and food-web ecology. In particular, we try to understand how anthropogenic disturbances affect biodiversity and ecosystem services in agricultural landscapes. The overarching goal of our research is to design multifunctional landscapes and ecologically sound farming systems. We offer advanced infrastructure and equipment as well as a multidisciplinary working environment.

We are seeking a quantitative ecologist to assess the impacts of land-use intensification on multitrophic biodiversity and ecosystem services. In this project, we more specifically aim to (1) identify the effects of land-use intensification operating at different spatial scales on landscape biodiversity; (2) use trait-based approaches to investigate the mechanisms underlying biodiversity response (e.g. niche partitioning, dispersal processes); (3) assess the role of landscape biodiversity in the delivery of multiple ecosystem services. The project builds on existing synthesis work from the [Biodiversity Exploratories](#) project by incorporating the roles of landscape biodiversity of arthropods and microbes.

■ You will be responsible for collecting data from the areas surrounding the Biodiversity Exploratories grassland plots, situated in three regions in Germany (Schwäbische Alb, Hainich-Dün, Schorfheide-Chorin). These data will be combined with comprehensive existing data from the Biodiversity Exploratories to understand how land-use intensification affects local and surrounding biodiversity within multiple trophic groups, and the consequences of this biodiversity for the local delivery of multiple ecosystem services. This research will be carried out in close collaboration with Dr Gaëtane Le Provost from the UMR SAVE, Dr Andrea Larissa Boesing of the Senckenberg Biodiversity and Climate Research Centre (Germany), Prof. Peter Manning of the University of Bergen (Norway), Dr Luis Prada Salcedo from the UFZ (Germany), as well as many others within the Biodiversity Exploratories research community.

■ Special conditions of activity: The successful candidate will be hosted within the SAVE Unit (Bordeaux, France), but will have to carry out biodiversity monitoring within the three regions of the Biodiversity Exploratories project and molecular analyses in Germany. He/she will also be encouraged to travel to Germany and Norway to collaborate with the researchers involved in the project.

INRAE'S LIFE QUALITY

By joining our teams, you benefit from (depending on the type of contract):

- until 30 days of annual leave + 15 days "Reduction of Working Time" (for a full time);
- [parenting support](#): CESU childcare, leisure services;

- skills development systems: [training](#), [career advise](#);
- [social support](#): advice and listening, social assistance and loans;
- [holiday and leisure services](#): holiday vouchers, accommodation at preferential rates;
- [sports and cultural activities](#);
- collective catering.

TRAINING AND SKILLS REQUIRED

- Recommended training: We are seeking for a candidate with a PhD in ecology or a related field, a strong interest in community ecology and landscape ecology, and excellent skills in quantitative ecology and data analysis.
- Knowledge required:
 - Excellent knowledge of ecological theory and biodiversity research
 - Fluency in R and an understanding of advanced statistical techniques
 - Excellent written and oral communication skills in English and the capacity to collaborate effectively within a large and diverse team of researchers
 - A strong publication record and the ambition and capacity to publish in high-impact journals
- Appreciated experience:
 - Experience in using GIS software (QGIS or ArcGIS)
 - Knowledge in entomology and/or microbiology, valid driver's license, and written and oral communication skills in German appreciated
- Skills sought: The work will be conducted within a multidisciplinary team. The candidate must have an aptitude for research in a team, while being able to do develop his/her own research.

↘ Reception modalities

- Unit: UMR SAVE
- Postal code + city: 33140 Villenave d'Ornon
- Type of contract: Postdoctoral position
- Duration of the contract: 3 years
- Starting date: 01/05/2023
- Remuneration: gross monthly salary ranging from 2604,47 to 3293,17€ depending on previous experience

↘ How to apply

Send a motivation letter and a CV to: Gaëtane Le Provost

- By e-mail: gaetane.le-provost@inrae.fr

■ Par postal way: INRAE – UMR SAVE
71 avenue Edouard Bourlaux
33140 Villenave d'Ornon

✘ **Deadline for applications: 01/04/2023**