

**Full Professor Position**  
**Soil science applied to agrosystems**  
**Job number: SF-2-2017-06**

The University Bourgogne Franche-Comté (UBFC, [www.ubfc.fr](http://www.ubfc.fr)), a collegiate research university federating six organizations, is anticipating the recruitment of a full professor in the field of “soil science applied to agrosystems” by one of its member AgroSup Dijon (<http://www.agrosupdijon.fr>), specifically in the laboratory Agroecology (<http://www6.dijon.inra.fr/umragroecologie>) located in Dijon (France) and jointly operated with INRA (French National Agronomy Research Institute).

We encourage applications of well-established scientists investigating this field of research owning a PhD degree, able to lead a research team, demonstrating an outstanding record of publications and the proven ability to manage a research program involving a group of researchers.

The salary will be negotiated on the basis of education and experience. It integrates a benefit package including retirement, health insurance, annual and sick leave.

The tenure position will be provided by AgroSup Dijon, one of the eight French National Institutes of Higher Education in Agricultural Science. Specific provisions regulating the tenure positions in these eight National Institutes impose that the selection to enter a tenure position be based on application forms (including CV, teaching and research projects) returned in French as well as on the ability to demonstrate a one hour lecture in French. In order to anticipate and to optimize the application to this specific tenure position recruitment scheme that shall be ready in March 2018, we invite the interested candidates to follow the link [pre-application form International Senior Fellowship](#) to download the pre-application form to be filled and returned by email to [isite@ubfc.fr](mailto:isite@ubfc.fr), before **December 8<sup>th</sup> 2017**.

The successful applicant shall enter the position on September 1<sup>st</sup>, 2018. She/he will then have the possibility to apply for 600 k€ grant of research budget for a period of three years, supported by the French “Investissements d’Avenir” program, project ISITE-BFC (funding dedicated to UBFC members). During the period of the ISITE-BFC grant, the successful candidate will be committed to apply for an European Research Council (ERC) grant.

UBFC and AgroSup Dijon are equal opportunity employers.

## **Job description:**

### ***About the hosting research team***

The research activity will be located in the pole BIOME of UMR Agroecology (<http://www6.dijon.inra.fr/umragroecologie/Poles-de-Recherches/Biologie-et-fonctions-ecosystemiques-des-sols>). Experimental sites located in Burgundy and modeling competences present in the different research units of the University community (especially in the UMR Agroecology) can be used to develop the program of the candidate.

### ***Targeted profile***

The recruited candidate will reinforce soil science competences in relation to soil biology. She/he will propose a research program to study the interactions between abiotic soil component (soil characteristics, properties, functioning, soil physical state...) and biotic soil component (microbial communities, soil fauna, weeds, crops...) in order to understand soil ecosystem functioning taking into account different spatial and time scales. Research activities could be in relation with impacts of agricultural practices on soil ecosystemic functions: e.g. purifying function of soil, biological functions in C and N cycles supporting GES mitigation... These activities should contribute to improve cropping systems supported by agricultural soils.

The candidate should have recognized expertise in soil science. Expertise in agronomy or/and soil biology as well as in soil cartography will be an asset.

The candidates should also be able to manage research teams and projects, as well as to develop a network, and contribute to increasing the visibility of the hosting institution.

The teaching charge of the recruited candidate will deal with soil science, physical geography, soil diversity in relation to climate and agronomy, soil cartography, soil as natural resource and its role and function in the context of agroecology. Teaching will have to consider different scales (e.g. soil profile, plot, catchment...) and will take place in the context of agroecology and global changes. The recruited candidate will also supervise student internships and projects.

### ***Key words***

Soil science, soil physics, ecosystemic services, relation with biotic soil component, cropping systems.