

Professor of the University of Orléans, France - 1st sept. 2019

Carbon and Earth surface processes

The University of Orléans is seeking applications for a Full Professor faculty position in Carbon and Earth Surface processes (in French nomenclature: "Professeur des Universités" in section 35 or 36 of CNU; see <http://www.cpcnu.fr/web/section-35> or [..../section-36](http://www.cpcnu.fr/web/section-36)). Candidates should have demonstrated their ability to conduct independent research in the aforementioned areas and should have a record of success in attracting external research funding. Candidates should also demonstrate excellence in teaching and mentoring. The position requires also a commitment to service to the University.

Job description

We seeks applicants in the field of Earth surface processes, who are experts in using the structure, properties, and signatures of carbon compounds to characterize and predict the influence of anthropization on the resilience and adaptability of Earth hydrosystems and on the biogeochemical cycles.

We seek an applicant with advanced knowledge on how the biotic and abiotic compartments influence the reactivity and transfer of the diverse forms of organic matter, and with advanced skills in conceptual/numerical modelling (e.g. georeferenced mapping and geostatistics applied to environmental risk assessment, vulnerability maps etc.), in biogeochemical experiments at all scales, or in the management of field observatories.

Regardless of research focus area, enthusiasm for interdisciplinary research and for cultivation of collaborations is essential to this position. The successful candidate must be comfortable in teaching our undergraduate classes in various courses, which will not be always directly related to the core of his/her expertise. He/she will participate in various graduate courses focused on his/her expertise, such as hydrology, biogeochemistry, global cycles, geostatistics, etc. Annual teaching duties amount to 192 h, with possibly field teaching periods.

Information about the institution

The Earth Sciences institute of Orléans (ISTO) is a joint research unit between University of Orléans, CNRS and BRGM, with 150 people, including 45 University professors and scientists from CNRS and BRGM, 35 technicians and administrative support staff, about 5 post-docs and 40 PhD students. Research is carried out within five main domains (Biogeosystems; Porous media; Metallogeny & Geo-energies; Géodynamics; Magma). ISTO holds various analytical and experimental facilities (<http://www.isto-orleans.fr/>), and a privileged access to a computing mesocenter (<http://cascimodot.fdpoisson.fr/ccsc>).

The research of the successful candidate will benefit from one national-based funded structure, the LabEx VOLTAIRE (<http://labex-voltaire.prod.lamp.cnrs.fr/>), one Région-scale excellency project (PIVOTS, région Centre – Europe; <https://www.plateformes-pivots.eu/>) with one platform dedicated to the sol-aquifer continuum in polluted area (O_ZNS) and another one to soil-atmosphere exchanges (PESAt). He/she will also benefit from the scientific activity of two national observatories (i.e. "Tourbières" <https://www.sno-tourbieres.cnrs.fr/>; and the 'Val d'Orléans' site of "Karst", <http://www.sokarst.org/>).

Practical and contact information

Applicants should submit a cover letter, curriculum vitae, a statement of research and teaching interests and contact information for three references. Qualification to the advertised position must be demonstrated either through a national-based assessment carried out by CNU ("Qualification aux fonctions de Professeur des Universités") or by recent certification from the current employer.

Inquiries regarding this position may be addressed to:

Lionel Mercury, director of ISTO (lionel.mercury@univ-orleans.fr).

Deadline for application: March 15th, 2019.