



UNIL | Université de Lausanne
Faculté des géosciences et de l'environnement
Décanat - 4608
bâtiment Géopolis
CH-1015 Lausanne

Assistant Professor (tenure track) of interactions between atmospheric and Earth surface processes

Introduction

The University of Lausanne is a higher teaching and research institution composed of seven faculties where approximately 15,000 students and nearly 5,000 collaborators, professors, and researchers work and study. Ideally situated along the Lake of Geneva, near Lausanne's city center, its campus brings together over 120 nationalities.

Presentation

The Faculty of Geosciences and the Environment (FGSE) of the University of Lausanne invites applications for a professorship on the interactions between atmospheric and Earth surface processes, to be based in the Institute of Earth Surface Dynamics (IDYST).

We are looking for an atmospheric scientist in the broad fields of anthropogenic climate change, decadal and centennial-scale variability. We are particularly interested in candidates who can bring an understanding of local and regional climate impacts on Earth and Environmental processes, and the proxies used to study them. We seek someone who has a deep understanding of physical climate processes through modeling, observations and/or theory. This position is envisioned to bridge across emerging topics and expertise within the climate change dimension. Engagement in interdisciplinary projects with the social sciences and humanities is encouraged.

Information

Appointment will be at the Assistant Professor level (tenure track). However, exceptionally, we will consider outstanding candidates for direct appointment to the Associate or Full Professor level, particularly if this corresponds with our equal opportunity objectives.

Starting date: 1st of August, 2020 (or to be agreed upon)

Contract length: 2 years renewable twice (6 years). Tenure and promotion to the rank of Associate Professor is possible after 5 to 6 years. Once tenured, contracts are renewed on a 6 year cycle.

Activity rate: 100 %

Workplace: University of Lausanne (Géopolis building)

Responsibilities

The successful candidate is expected to *i)* develop a competitive research program within the Institute of Earth Surface Dynamics, *ii)* teach courses in the Bachelor of Geosciences and Environment, and Masters programs taught by the FGSE, and, *iii)* supervise masters and doctoral students.

Qualifications

Candidates must demonstrate a capacity to undertake high quality research, to obtain competitive research funding, and to publish in peer-reviewed international research journals. A demonstrated potential for teaching and for supervising masters and doctoral theses is required.

A good command of French and English is preferable. If French is not the native language, teaching ability in French has to be acquired within two years of the appointment.

What the position offers

The Faculty of Geosciences and the Environment (FGSE) of the University of Lausanne was created in 2003 and

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offers state-of-the-art field and laboratory equipment (e.g., XRD, RockEval, Carlo Erba, SEM, mercury and phosphorus analysis, stable isotopes, compound specific-light isotopes, clumped isotopes, XRF, SIMS and NanoSIMS, Luminescence dating, LA-ICPMS, ICP-OES, Electron Microprobe, X-Ray tomography, GPU and CPU-based supercomputing facilities, remote sensing equipment including a drone lab, as well as instrumented field sites), incentives for projects, and excellent working conditions. It consists of three research institutes (Earth Sciences, Geography and Sustainability, and Earth Surface Dynamics) and a School that manages teaching and training across these research domains. The FGSE specifically promotes interdisciplinary research and teaching, within and between the social and natural sciences.

Contact for further information

Other useful information is available on the websites of the Faculty (www.unil.ch/gse) and the Institute of Earth Surface Dynamics (www.unil.ch/idyst).

For further information, contact the Chair of the selection committee for this position: Frédéric Herman, Dean of the FGSE (frederic.herman@unil.ch).

Application deadline: 30th of September, 2019

The application in PDF must be shared in several document not bigger than 9.9 MB and will be considered only if sent through this website:

<https://bit.ly/32fBMXW>

or **www.unil.ch/central/en/home.html** -> Jobs -> search Atmospheric

It should include:

- . A cover letter explaining the reasons for applying (max. 1 page);
- . a full Curriculum Vitae, including previous employment and university training, the date and title of the doctoral thesis, publications, conference presentations / invited lectures, classes taught, and student research supervised;
- . a research statement, describing past major achievements and the research the candidate intends to develop (max. 4 pages);
- . a teaching statement, describing the candidate's teaching approach, intentions for teaching and his or her potential contribution to our teaching programs (max. 2 pages);
- . PDFs of the three most significant publications and a statement on the personal contribution to each;
- . the names and contact information of five referees.

Additional information

The University of Lausanne seeks to promote an equitable representation of men and women among its staff and strongly encourages applications from women. The FGSE's strategy regarding equal opportunity, specifically with respect to the recruitment of professors, is described in point 2.2 of the FGSE's Plan of action in favor of the equality of chances between women and men 2017-2020.

Candidates are expressly invited to consult this document at the following website: <https://www.unil.ch/gse/fr/home/menuinst/faculte/commissions/egalite.html>

The Faculty of Geosciences and Environment of the University of Lausanne adheres to the DORA agreement and follows its guidelines in the evaluation of applications.