



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

**Assistant Professor (tenure track) in Hydrology and environmental change**

**Introduction**

The University of Lausanne is a higher teaching and research institution composed of seven faculties where approximately 17,000 students and nearly 5,000 research, teaching and technical staff work and study. Ideally situated along Lake 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 tenure-track Assistant Professor position in **Hydrology and environmental change**, to be based at the Institute of Earth Surface Dynamics (IDYST).

We are interested in candidates seeking an integrated understanding of anthropogenic effects on the terrestrial water cycle, with a focus on water quality at scales from the local to the regional. The proposed research could, for instance, aim at bridging gaps between surface and subsurface waters, between water quantity and quality or elucidate the influence of extremes (e.g., droughts, flooding, wildfires) on water quality. The investigative approach could, for example, rely on environmental tracers and isotopes; field or laboratory-scale experiments using innovative sensing technology; monitoring; numerical modeling; big data and machine learning. The successful candidate will be expected to develop links with some of the existing research strengths at IDYST, including climate change, soil science, biogeochemistry, aquatic ecosystems, Alpine environments, and remote sensing. We welcome candidates who are willing to address sustainable water management in the context of the planet boundaries framework, by collaborating with other institutes and University-wide collaborative platforms (e.g., CLIMACT, CIRM, Competence Centre in Sustainability). Support will be provided to allow the successful candidate to successively grow into the position.

**Information**

Appointment will be at the Assistant Professor level (tenure track) for which the net academic age since the PhD (see below) should be less than 8 years at the advertised starting date. However, we will consider outstanding candidates for direct appointment at the Associate Professor level, particularly if this corresponds with our equal opportunity objectives.

Starting date: *1<sup>st</sup> of August, 2023* (or to be agreed upon)

Contract length: 2 years renewable twice (6 years). Tenure and promotion to the rank of Associate Professor expected after 5-6 years.

Activity rate: 100 % (or to be agreed upon)

Workplace: University of Lausanne (Géopolis building)

**Net academic age**

If you have had formally approved leave or part-time employment since the date of award of the PhD you may upload a net academic age document. Such leave could be for maternity, paternity, adoption, caring duties, illness or accident, service (e.g., military civil), continuing education or unemployment. If uploading a document you must include the dates of the leave (months and years) and types of leave for each period of dates. You should also indicate any employment that has been part-time, the dates and percentage activity. This information will only be available to the Chair of the hiring committee and an administrator that will calculate your net academic age. Only the calculated net academic age will be made available to the committee members.

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### Responsibilities

The successful candidate is expected to i) develop a competitive research program with external funding within the Institute of Earth Surface Dynamics, ii) teach hydrology-related courses at the BSc and MSc levels that links both theoretical and practical aspects of the subject, as well as field classes, and *iii*) supervise bachelor, master, and doctoral students.

### Qualifications

A PhD in a relevant area at the date of appointment is required and postdoctoral experience is expected. Candidates should demonstrate a capacity to undertake high quality research, to obtain research funding, and to publish in peer-reviewed international research journals. A demonstrated potential for teaching and for supervising master and doctoral theses is required. If French is not the native language, teaching ability in French must be acquired within two years of the appointment.

### What the position offers

The FGSE manages outstanding laboratory facilities and field equipment, and it offers excellent working conditions. It consists of three research institutes (Earth Sciences, Geography and Sustainability, and Earth Surface Dynamics) and a School that manages teaching. It employs 50 professors and more than 10 senior lecturers, some 200 PhD students and post-docs, and more than 60 technical staff. The FGSE specifically promotes interdisciplinary research and teaching, within and between the social and natural sciences. We offer a competitive start-up package and long-term support in terms of two internally funded PhD positions.

### Contact for further information

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

For further information, contact the Chair of the selection committee: Niklas Linde, Dean of the FGSE ([niklas.linde@unil.ch](mailto:niklas.linde@unil.ch)).

### Applications

Application deadline: **January 15, 2023** (23:59 Swiss time GMT+1). The PDF application in English must be split into several files not larger than 9.9 MB and can only be submitted through this website: <http://bit.ly/3DSLafJ>.

The application should include:

- a cover letter explaining your motivation and how you meet the criteria for this position (max. 1 page);
- your Curriculum Vitae, including previous employment and university training, the date and title of your doctoral thesis (max. 2 pages);
- your list of publications;
- a research statement, describing your past major achievements and the research you intend to develop (max. 4 pages);
- a teaching statement, describing your teaching approach, your intentions for teaching and potential contributions to our teaching programs (max. 2 pages);
- EDI (equity, diversity, and inclusion) statement (max. 1 page);
- A document detailing your net academic age (optional);
- list and links to your three most significant publications and a statement on your personal contribution to each;
- the names and contact information of three to four referees.

### **Additional information**

The University of Lausanne is committed to promoting gender equality and diversity and strongly encourages applications from female candidates. The FGSE's strategy regarding equality, diversity and inclusion, specifically with respect to the recruitment of professors, is described in Appendix C of the FGSE's action plan in favor of equal opportunities 2021-2024. The University has also many measures in place to facilitate the life for parents/guardians of young children, including on campus childcare. The faculty adheres to the DORA agreement and follows its guidelines in the evaluation of applications.