Institute of Engineering and Management
of Grenoble Alpes University

HR EXCELLENCE IN RESEARCH

Grenoble INP - UGA is a member of **international** engineering and management education and research **networks.** It is widely recognized in national and international rankings**.**

8 schools + **39** laboratories
8 300 students
1 300 teaching, research, administrative and technical staff

Grenoble INP-UGA is a renowned public institution of higher education and research, and a major player in the Grenoble ecosystem. It is the engineering and management institute of Grenoble Alpes University, and plays a leading role in the scientific and industrial community.

Associate Professor

Research field	Environmental Fluid Mechanics
Category / Requested profile	Associate Professor
Ministerial reference for the position	
CNU Section	60
Location	Grenoble
Date of recruitment	01/09/2026
Position key words	Fluid mechanics, deposit transport, turbulence

Grenoble INP - UGA is a leading public institution accredited with the French label “Initiative d’excellence”. It offers innovative engineering and management programs, with an increasing internationalization of its course offers. The courses are grounded in sound scientific knowledge and linked to digital, industrial, organizational, environmental and energy transitions. The Engineering and Management Institute of Grenoble Alpes brings together more than 1300 staff members (teacher-researchers, lecturers, administrative and technical staff) and 8300 students, located on 8 sites (Grenoble INP - Ense3, Grenoble INP - Ensimag, Grenoble INP - Esisar, Grenoble INP - Génie industriel GI, Grenoble INP - Pagora, Grenoble INP - Phelma, Polytech Grenoble, Grenoble IAE and the INP Prepa). Grenoble INP is also a highly-ranked institution of higher education and research, leading the way in the fields of engineering and management on an international scale. It is a member of a large number of international academic and research networks. It is part of the European University UNITE!.

As part of Grenoble Alpes University, Grenoble INP has associated guardianship of 39 national and international research laboratories and of technological platforms. The research conducted there benefits both its socio-economic partners and its students. Grenoble INP is at the heart of the following scientific fields: physics, energy, mechanics and materials; digital; micronanoelectronics, embedded systems; industry of the future, production systems, environment; management and business sciences.

Grenoble INP - UGA is an equal opportunity employer committed to sustainability. Grenoble INP-UGA celebrates diversity and equity and is committed to creating an inclusive environment for all employees. All qualified applications will be considered without discrimination of any kind.

Teaching

School : Grenoble INP – ENSE3

School website: http: https://ense3.grenoble-inp.fr/

Contacts: hugues.bodiguel@grenoble-inp.fr, laurent.jossic@grenoble-inp.fr

School presentation :

Grenoble-INP - Ense3, UGA is a general engineering school within the Grenoble INP-UGA institution. Its aim is to train engineers over a three-year period to contribute their knowledge, expertise, and skills to the energy and environmental transitions taking place in professions, sectors, and uses of water and energy.

Teaching Profile:

The position is part of the fluid mechanics teaching program, which is included throughout the engineering curriculum of many ENSE3 courses: first-year core curriculum, Hydraulics, Structures, and Environment (HOE), Mechanics and Energy (ME), Nuclear Energy Engineering (IEN), Energy Systems and Markets (SEM), the international master's degree in Civil, Hydraulic, and Environmental Engineering (HCE), the international master's degree in Fluid Mechanics and Energetics (FME), and the apprenticeship program. In these programs, fluid mechanics courses are taught during the first semesters of fundamental studies, then specialized studies, depending on the program and associated professions. The successful candidate will be required to teach both types of courses. A solid background and specialization in fluid mechanics for the environment is desirable.

Fluid mechanics and hydraulics courses are based on numerous practical work aimed at developing a wide range of skills associated with experimentation (sensors and measurements, observation, modeling, bias and uncertainties, presentation of results, writing, etc.). The experimental equipment is largely grouped together within an experimental teaching platform with technical support.

The successful candidate will be expected to make a specific commitment to this practical work so that, during the first few years in the role, updating the educational objectives and course descriptions in close collaboration with the relevant course coordinators and platform managers. Technological knowledge and the ability to liaise with FABLAB are also welcome.

Initially, the successful candidate will be able to start with fundamental and cross-disciplinary courses and, depending on their skills, more specialized courses. For example, he or she could teach maritime hydraulics (waves, coastal erosion, etc.), hydraulics, and modeling of flows in canals and rivers. He or she must be able to teach in English, particularly for second- and third-year courses.

In the longer term, teaching responsibilities are to be expected (responsibilities for teaching units, responsibility within one of the school's departments, etc.).

The successful candidate will also be able to contribute to the school's reputation among industrial and international partners by leveraging their existing networks or developing new ones. Finally, he or she will be able to actively participate in continuing education in his or her area of expertise.

Research

Host laboratory: Laboratoire des Écoulements Géophysiques et Industriels (LEGI)

Laboratory website: https://www.legi.grenoble-inp.fr/web/

Contacts *:* christophe.brun@univ-grenoble-alpes.fr

Laboratory presentation :

The Laboratory of Geophysical and Industrial Fluid Dynamics (LEGI) is a Joint Research Unit (UMR 5519) of the French National Centre for Scientific Research (CNRS), the Grenoble National Polytechnic Institute (Grenoble INP),

and Université Grenoble Alpes (UGA). LEGI conducts a wide range of activities built upon a shared core expertise: research in fluid mechanics and transport phenomena.

Research Profile:

Environmental fluid mechanics is a key research area at LEGI, explored through a range of approaches including laboratory experiments, field observations, fundamental analyses, and numerical modelling.

The assistant professor recruited within the MEIGE team (Modelling, Experiments and Instrumentation for Geophysics and the Environment) will develop and lead research activities related to environmental fluid mechanics and the associated physical processes (turbulence, multiphase flows, boundary layers). Their research will naturally involve interactions with other teams in the laboratory as well as with our institutional partners (OSUG community).

The candidate's proposed project may address topics such as coastal and fluvial dynamics, sediment transport, or geophysical turbidity currents. Potential applications include climate-change resilience (civil engineering structures, coastal and riverbank erosion, avalanches).

The recruited person will be expected to develop research activities largely based on experimental work, making use of LEGI's experimental facilities or those of its key partners (wave flume, variable-slope channel, steep-incline gravity channel, Coriolis platform, and the multidirectional wave basin of the Laboratoire d'Hydraulique de France hosted at Artelia).

This research should promote the development of both internal and external collaborations with other laboratories and research centers on site, as well as at the national and international level.

Specific requirements or conditions

Administrative activities related to the duties of an Associate Professor: he or she will be in charge of a teaching unit, a programme or a year.

How to apply

Applications must be submitted via the Odyssée platform of the French Ministry of Higher Education and Research, between Tuesday March 3rd 2026, 10am (Paris time) and Friday April 3rd 2026, 4pm (Paris time), deadline.

Any document sent outside the Odyssée platform will not be taken into account.

When candidates are interviewed by the selection committee, they will be asked to take part in a pedagogical work experience, the details of which will be communicated when the invitation is sent out.

Please note that part of the audition may also be carried out in English.