

ERC-funded Postdoctoral position in atmospheric turbulence in mountainous terrain

The [Atmospheric Turbulence](#) group of the Department of Atmospheric and Cryospheric Sciences ([ACINN](#)) at the University of Innsbruck (Austria) invites applications for a postdoctoral position in turbulence in mountainous terrain, with a focus on turbulence observations.

The successful candidate will work as part of the ERC Consolidator Grant “Developing a novel framework for understanding near-surface turbulence in complex terrain (Unicorn)”, led by Prof. Ivana Stiperski. Unicorn aims to

- (i) understand the processes that cause differences between turbulence in flat and mountainous terrain, and
- (ii) develop approaches that extend similarity theory to complex terrain.

The objective of the Postdoctoral position is to help organize and actively participate in a number of field campaigns in Austria organized through Unicorn, including those focused on turbulence over [glaciers](#) but also as part of the larger [TEAMx programme](#).

The position is for a total duration of 4 years. The position is at a junior Postdoc level and the remuneration will be based on the Austrian collective agreement for university employees (representative figures are provided by the Austrian Science Fund, <https://www.fwf.ac.at/en/research-funding/personnel-costs/>).

Essential qualifications: PhD in Meteorology/Atmospheric science, Fluid Dynamics or Mechanical Engineering (or being close to completion); active experience with field work and atmospheric field observations; excellent oral and written communication skills in English; strong motivation, curiosity and creativity; good organizational skills; ability to work independently and as part of a team.

Assets: experience with turbulence observations, turbulence data post-processing and theoretical turbulence modelling are an advantage

Applications received before **23 December 2021**, will be given full consideration. The application package should be submitted via e-mail to Ivana Stiperski (ivana.stiperski@uibk.ac.at) and should include the following information:

- A curriculum vitae
- A formal letter of motivation, stating your interest and qualifications for the position
- A Research statement
- PhD thesis abstract
- Contact information for one to three referees.

University of Innsbruck aims at increasing the proportion of women at all employment levels, and therefore the **applications by qualified women are especially encouraged**.

ACINN is the leading center for studying the influence of mountains on the atmosphere at scales ranging from climatic to turbulence. A wide range of permanent turbulence observational stations studying turbulence over a range of surfaces are run by scientists from ACINN, who also regularly organize a numerous short-term targeted field campaigns. The postdoc will actively participate in organizing a number of upcoming measurement campaigns both in the vicinity of Innsbruck, and over a Alpine glacier. She/he will therefore also actively collaborate with other postdocs in the department, as well as scientists from other institutions that will participate in these field campaigns.

Candidates who wish to receive further details about the position are welcome to contact Prof. Ivana Stiperski per e-mail.