

## Post-doctoral Student in Climate Analyses of Surface Wind Velocity or Cloud Dynamics

### **Job Description**

The Laboratoire d'érosion éolienne (LÉÉ), in the Department of Geography at University of Montreal, is currently seeking to attract postdoctoral students to continue an ongoing research project on historical and future wind climatology or cloud climatology for the region of the Quebec province in Canada. The successful candidate will have the opportunity to conduct interdisciplinary research on topics such as direct and indirect climate-pollution interactions as well as the development of high-resolution climate models. The project is part of a larger study to understand the impacts of climate change on air quality in Quebec.

The position is fully funded for up to two years at a competitive rate and according to the University's policies and with the convention collective agreement. Additional funding opportunities to cover research visits in other laboratories, conference and workshop involvement, and teaching experience are provided.

University of Montreal ranks amongst Canada's top three research universities and living in the city of Montreal has many academic, financial, and cultural advantages, including the presence of four major universities in the city, a relatively low cost of living, as well as a great diversity of communities in the city. This position will be based at the new Campus MIL, an easily accessible and LEED ND certified building.

### **Required Job Qualifications**

- Ph.D. degree in atmospheric science, chemistry, physics or a closely related field, from an accredited institution in a relevant field at the time of appointment;
- Experience in climate analyses based on observational data, reanalyses and climate model outputs;
- Excellent knowledge and solid experience in scientific programming for the access and the processing of large volumes of climate model data, as well as the development, production, visualization and transfer of climate information to non-climate science users;
- A strong motivation to contribute to interdisciplinary research;
- Demonstrated proficiency in oral and written English.

### **Preferred Qualifications**

- Analysis tools in Python, Matlab, in the UNIX/Linux environment;
- Ability to work in a team environment with tight deadlines;
- Ability to work independently and take relevant initiatives;
- Ability to work in a multi-tasking context with partners with diverse profiles in a climate services approach;
- Demonstrated proficiency in oral and written French is desirable but not required.

### **Application**

Applicants should send a CV, letter of motivation, and up to three references to Dr. James King ([js.king@umontreal.ca](mailto:js.king@umontreal.ca)). References will be conducted as part of the hiring process once selected for the position. Priority consideration is for applications received on or before October 15, 2022.

The University of Montreal and LÉÉ are strongly committed to fostering diversity within their community as a source of excellence, cultural enrichment, and social strength. We welcome those who would contribute to further diversification including, but not limited to women; visible minorities; First Nations, Inuit and Métis peoples; persons with disabilities; and persons of any sexual orientation or gender identity and expressions.