Position Overview

We are seeking a Research Associate, with excellent technical and communication skills to act as the technical lead in support of Concordia’s involvement in the CFI-funded Data Analytics for Canadian Climate Services program. Applicants should have an excellent understanding of research activities in the field of climate science and climate modelling at Concordia University, as well as strong technical and communication skills.

Roles and Responsibilities

- Act as contact lead for Concordia and coordinate with DACCS team regarding potential user needs and interests for the DACCS platform
- Attend bi-weekly DACCS coordination meetings to maintain contact with DACCS coordination group
- Collect and organize data and analysis routines from Concordia climate research activities related to climate variables and cumulative emissions
- Translate routines as needed to a common framework (ideally using Jupyter Python notebooks)
- Work with DACCS team to integrate cumulative emissions framework into DACCS data flows

Qualifications & Desired Qualities

- Master’s or PhD in a relevant discipline
- Experience working with climate datasets and familiarity with Concordia research activities
- Familiarity with geospatial data analysis software and standards, including Python and Jupyter
- Knowledge of a variety of statistical analysis techniques and open software platforms
- Superior communication, organizational and interpersonal skills with ability to multitask
- Ability to be autonomous within a collaborative work environment

Application procedure

As the position is based in Montreal, applicants must be legally authorized to work in Quebec. The position will be part of Concordia University’s CARE union (Concordia Association of Research Employees).

Applicants to this position are requested to submit a curriculum vitae and a cover letter describing their interest in the position and how their skills and experience would help them meet the requirements of the role. Please also include the name and contact details of two referees. Applications – in one combined PDF file in English – should be sent via email with “DACCS Research Associate” in the subject line to damon.matthews@concordia.ca. The closing date for applications is May 31, 5pm EDT.

About Concordia University and the DACCS program

Concordia is a next-generation university, continually reimagining the future of higher education. Located in the vibrant and multicultural city of Montreal, Concordia is the top-ranked university in North America founded within the last 50 years and annually registers some 51,000 students through its innovative approach to experiential learning and cross-functional research. The DACCS project is building a cloud-based platform to facilitate conversion of raw climate data from satellite observations and simulation models into relevant, credible and actionable information products for assessing climate impacts and risks. A key feature of DACCS is support for creating and sharing analytics workflows alongside the datasets they apply to. The DACCS platform development is a collaboration amongst the University of Toronto, Ouranos, CRIM, PCIC, CCCma, Natural Resources Canada, McGill and Concordia Universities.