



University House 1
PO Box 3060 STN CSC
University of Victoria
Victoria BC Canada 3R4
Phone: (250) 721-6236
Fax: (250) 721-7217
Website: <http://pacificclimate.org/>

Research Associate Posting: Estimating extreme precipitation in Canada

PCIC is seeking to hire a Research Associate.

Pacific Climate Impacts Consortium (PCIC)

The Pacific Climate Impacts Consortium (PCIC) was created to assess climate impacts in the Pacific and Yukon Region of Canada. The goals of the Consortium are to foster collaborative research, to strengthen the capacity to address regional climate change and variability, and to provide the scientific basis for development of policy. PCIC is a regional climate service centre at the University of Victoria that provides practical information on the physical impacts of climate variability and change. Through collaboration with climate researchers and regional stakeholders, PCIC produces knowledge and tools in support of long-term planning.

Research Associate Position

A position is available for a highly qualified individual to conduct research on improving methods for estimating precipitation extremes in Canada. The position is funded by the Pacific Climate Impacts Consortium (PCIC) and Environment Canada, and will be located at the University of Victoria. The position is available immediately and will remain open until a suitable candidate is found. The incumbent will work closely with PCIC climate scientists as well as the PCIC Director and collaborators at Environment Canada. Under the guidance of the Director and the Lead for Regional Climate Impacts, the incumbent will:

- Compare climate model simulated temporal scaling relationships between daily and sub-daily precipitation rates to those observed in nature
- Develop techniques to estimate Intensity-Duration-Frequency curves (IDF) and Probable Maximum Precipitation (PMP) that are suitable for non-stationary climate conditions
- Collaborate with international groups with similar objectives
- Participate in PCIC-lead engagement with the engineering community on the methods developed and their potential application

Required Knowledge and Experience

- A PhD in the physical sciences, preferably Atmospheric or Climate Science
- Experience studying climate variability and extremes
- Knowledge of statistical climatology including analysis of extremes
- Knowledge of downscaling methods
- Experience working with large climate datasets including climate models
- Experience working with programming languages such as R, IDL, MATLAB, C++ and FORTRAN, and with a UNIX-like operating system, such as LINUX
- The incumbent must possess excellent written and verbal communication skills in English. The role of the Research Associate will involve considerable communication between various levels of personnel, academia,

Pacific Climate Impacts Consortium, University of Victoria, PO Box 3060 STN CSC, Victoria, BC V8W 3R4 Canada

Tel: (250) 721-6236 Fax: (250) 721-7217 E-mail: climate@uvic.ca

government, international research institutions, and stakeholders.

- The incumbent must be capable of working in a self-directed manner and within a team environment.
- A high level of productivity for peer-reviewed publication is expected.

Start Date

PCIC would like the successful candidate to start as soon as possible.

Employment period

This position extends until March 2018, subject to satisfactory completion of a 6-month probationary period.

Weekly working hours

Full time (37.5 hours per week)

Compensation

Commensurate with education and experience.

Additional information: Address enquiries to Kathy Veldhoen, climate@uvic.ca.

Application: Please send your application with a CV, including three professional references.

Address cover letter and application to Ms. Kathy Veldhoen, climate@uvic.ca, with “**ATTN: Research Associate**” in the subject line. Please indicate whether you are legally able to work in Canada.