Research Associate Position:
Climate Change and Extreme Events in the Marine Environment
Closing Date: April 9th, 2015

One Research Associate position is available. The position is part of the MEOPAR network, stationed at PCIC, focusing on climate change and extreme events in the marine environment.

Marine Environmental Observation, Prediction and Response (MEOPAR) Network www.Meopar.ca

The vision of MEOPAR is to inspire and enable Canadian leadership in marine environmental observation prediction and response. MEOPAR will deliver knowledge, technology, and people to enable Canada's communities and industry to enhance resilience and economic opportunity through an informed relationship with the changing marine environment.

Established in 2012, the Marine Environmental Observation Prediction and Response Network (MEOPAR) is a team of outstanding Canadian researchers dedicated to addressing critical issues related to human activity in the marine environment, and the impact of marine hazards on human activities in coastal regions. Through strong multidisciplinary training, MEOPAR fosters highly qualified personnel capable of placing Canada at the forefront of marine research and hazard management.

Pacific Climate Impacts Consortium (PCIC) www.PacificClimate.org

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 policy development. 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

One Research Associate position is available for a highly qualified individual to work with a team of researchers within PCIC and across the MEOPAR network, including scientists at the Canadian Centre for Climate Modelling and Analysis, to conduct research on climate change and extreme events as they relate to the marine environment. The incumbent will:

- Evaluate projected changes in the location, frequency and intensity of explosive extratropical cyclones under RCP8.5 forcing, and develop insights into the processes that are responsible for those changes;
- Assess the ability of the Environment Canada CanSIPS seasonal forecasting system to simulate extratropical storms, and identify the causes of biases in their location, frequency and intensity.

- Diagnose improvements to the CanSIPS representation of extratropical storms that result from the dynamical downscaling of CanSIPS seasonal forecasts with the CanRCM4 regional climate model.
- Communicate results to the scientific and stakeholder communities.

Required Knowledge and Skills

Knowledge and Experience

- PhD in the physical sciences, preferably Atmospheric or Climate Science
- Experience studying climate variability and change, extra-tropical cyclones, and the physical processes that determine their location, intensity and frequency
- Knowledge of coastal climatology
- Knowledge of statistical climatology
- Experience working on interdisciplinary projects and with interdisciplinary teams
- The incumbent must possess excellent written and verbal communication skills in English. The role of the Research Associate will involve significant amount of communication between varying levels of personnel, academia, government, research institutions and stakeholders.
- The incumbent must be capable of working in a self-directed manner and within a team environment. The applicant must have excellent multi-tasking skills as they will provide support to other members of the project team.
- A high level of productivity for peer-reviewed publications is expected.

Start Date

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

Employment period

2-year term commitment.

Application Procedure:

Applicants should submit a CV, list of publications, a statement of research interests, and three letters of reference to Ms. Shelley Ma, climate@uvic.ca, with "**ATTN: Research Associate Position**" in the subject line.

All qualified candidates are encouraged to apply; however Canadians and permanent residents will be given priority.

Additional information: Address enquiries to Shelley Ma, climate@uvic.ca.