

Postdoctoral Fellow Position: Climate Change and Extreme Events in the Marine Environment

One postdoctoral fellow 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 and 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 multi-disciplinary 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.

Postdoctoral Fellow Position

One postdoctoral fellow position is available for a highly qualified individual to work with a team of researchers across the MEOPAR network and within PCIC to conduct research on climate change and extreme events as they relate to the marine environment. The incumbent will be responsible for:

- Assembling and intercomparing observational data related to storminess activity in both coastal regions of Canada, focusing primarily on surface and near-surface data from in-situ observations and reanalysis products.
- Determining how well recent reanalyses, including the high-resolution North American Regional Reanalysis and the lower resolution 20th Century Reanalysis (an ensemble reanalysis), represent variations in storm activity affecting Canadian coastal regions that are observed using in-situ records.
- Evaluating the prospects for the prediction of seasonal to inter-annual variations in the risk of storm related extreme events in the coastal environment based on historical seasonal to annual hindcasts produced with a state-of-the-art coupled forecasting system, and on diagnostic studies of the relationship between local storm variability and more slowly varying large scale modes of variability.

Required knowledge and skills

Knowledge and Experience

- PhD in the physical sciences, preferably Atmospheric or Climate Science
- Experience studying climate variability and seasonal climate predictions
- Knowledge of coastal climatology
- Knowledge of statistical climatology
- Experience and/or desire to work on interdisciplinary projects and with interdisciplinary teams
- The incumbent must possess excellent written and verbal communication skills in English. The role of the PDF will involve significant amount of communication between varying levels of personnel in 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

2.5 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. Cassbreea Dewis, climate@uvic.ca, with “**ATTN: Postdoctoral Fellow Position**” in the subject line.

Additional information: Address enquiries to Cassbreea Dewis, climate@uvic.ca.