

## **Funded PhD Opportunity in the Atlantic Climate Research Collaboration**

**About the Project:** As part of the Atlantic Canada Climate Research Collaboration (jointly funded by the Canadian Statistical Sciences Institute, and Research Nova Scotia), we are recruiting a PhD student in Statistics at Dalhousie University. The studentship is full-time, based on campus at the Dalhousie University in Halifax, Nova Scotia, Canada.

Climate change threatens the health and well-being of those living in coastal communities. Extreme events such as hurricanes, forest fires, ice storms, and heat-and-cold waves are becoming more frequent and intense. Poor air quality and extreme heat-and-cold cause respiratory problems in people of all ages, and especially in vulnerable populations such as children, older adults, and those with existing lung conditions (~25% of Nova Scotia's population). Monitoring the effects of climate change on the lungs can serve to be an early warning signal for other deleterious health effects. The project aims to develop statistical methods to investigate how low-cost air quality monitors can be used to track climate change in the province, and whether changes in air quality, measured by low-cost monitors, can serve as early warning signals for people living with respiratory conditions.

**Application process:** Interested applicants should send a copy of their Transcript, CV and statement of interest explaining why they are interested in pursuing a PhD and this project to Dr. Sanja Stanojevic ([sanja.stanojevic@dal.ca](mailto:sanja.stanojevic@dal.ca)) by September 30, 2023.

Applications should review the graduate school admission requirements and apply directly to the program [https://www.dal.ca/academics/graduate\\_programs/statistics.html](https://www.dal.ca/academics/graduate_programs/statistics.html) by January 15, 2024.

The successful candidate will be jointly supervised and mentored by Sanja Stanojevic, Cindy Feng, and Kelvin Fong.

**Funding:** This studentship is fully funded for 3 years through Atlantic Climate Research Collaboration, an initiative co-sponsored by Research Nova Scotia (RNS) and Canadian Statistical Sciences Institute (CANSSI) and includes an annual stipend of \$30,000 CAD. Students will also have the opportunity for paid Teaching Assistantships and will be supported to apply for additional scholarships as appropriate.