

Postdoctoral Research Fellowship with Canadian Marine Shipping Risk Forum and Réseau Québec Maritime



Background:

The [Canadian Marine Shipping Risk Forum](#) (CMSRF) was launched as a community of practice in 2019 as a collaborative effort between the Marine Environmental Observation, Prediction and Response (MEOPAR) network of excellence and Clear Seas. The CMSRF provides cross-sector knowledge sharing opportunities on the topic of marine shipping risk in Canada. The community of practice consists of more than 250 participants from government, academic, industry, non-profit, Indigenous and community sectors from within and outside of Canada. The CMSRF hosts webinars to share knowledge on related topics and facilitates an annual workshop. To date, the most recent workshop has been supporting the development of an Inventory of Marine Shipping Risk Resources, an online, searchable database that anyone can contribute to, to provide easy access to past studies and other resources pertaining to shipping risk in Canada.

[Réseau Québec maritime](#) (RQM) is a collective for the co-development of knowledge and innovation in the shipping field. It is a high-performance, agile vehicle that engages and directs Quebec's strengths towards a sustainable marine future for Quebec society. The RQM brings together over 200 organizations from the academic, government, non-government, industry and community sectors. Thus, it parallels the French network of marine universities to coordinate multidisciplinary and cross-sectoral forces in the Quebec marine field. Being uniquely positioned at the confluence of industry, research, government and community organizations makes the RQM a real asset for Quebec. The RQM supports initiatives resonating in the public arena today, and that are having a major impact on the economy, health and safety, and the protection and sustainable use of resources.

Partners:

[Université du Québec à Rimouski](#) and the [Réseau Québec maritime](#) (RQM)

[Dalhousie University](#)

[Clear Seas](#)

Co-Supervisors:

- [Dr. Gwenaëlle Chaillou](#), Professor, Institut des sciences de la mer de Rimouski and Director, RQM
- [Dr. Ronald Pelot](#), Professor, Industrial Engineering at Dalhousie University and co-leader of the Maritime Risk and Safety (MARS) Group at Dalhousie.

With support from Meghan Mathieson, Director of Strategy and Engagement, Clear Seas

Location:

Université du Québec à Rimouski, Rimouski, QC or Dalhousie University, Halifax, NS.
Remote work is possible with some in-person work required.

Term:

Full-time for one year, renewable for up to one additional year based on performance. Term is anticipated to start January 2024.

Salary Range:

Up to CAD \$60,000/year and benefits package, commensurate with qualifications.

Language:

French and English proficiency is required. Confirmation of proficiency may be required through the International English Language Testing System (IELTS) or the Test de français international (TFI).

Position Description:

We are seeking applicants for a **Postdoctoral Research Fellowship** at either the Université du Québec à Rimouski or at Dalhousie University. The goal of this position is twofold: support the development of the marine shipping risk communities of practice and undertake related research.

Supporting the operations and growth of the shipping risk communities of practice is expected to require 20% of the time and include identifying topics and speakers and coordinating webinars to share knowledge with communities of practice membership, arranging the annual workshop, and launching the Inventory of Marine Shipping Risk Resources in Canada (an online database).

Undertaking related research is expected to require 80% of the time and could follow one of two possible paths:

1. Research to assess the communities of practice as a means of social innovation; or
2. Research on some aspect of risk to or from ships relevant to the Canadian context, as proposed by the applicant.

Proposals should contain:

- a. problem statement or research objectives,
- b. scope of work,
- c. planned approach or methodology,
- d. schedule to complete, and
- e. deliverables or research output.

Proposals should be a maximum of 5 pages in length. Proposals will be evaluated for their contributions to the field of study, feasibility of completion within the fellowship position, and anticipated impact of the research outcomes (i.e., knowledge mobilization opportunities).

Drs. Chaillou and Pelot form a complementary interdisciplinary mentorship team, with diverse expertise in oceanography, marine geochemistry, coastal hydrogeochemistry, vessel traffic modelling, risks to ships (e.g., storms, ice, collisions, groundings), risks from ships (e.g., pollution, whale strikes and disturbance, decarbonization). Clear Seas will provide mentorship in knowledge mobilization and engagement with partners.

This position will provide an opportunity to conduct applied interdisciplinary research that has the potential to directly inform decisions on the future of shipping in Canada.

Preferred Qualifications and Experience

- Hold (or expect to hold by time of appointment) a PhD in risk analysis, marine sciences, engineering, naval architecture, environmental sciences, social sciences, or related disciplines/interdisciplinary studies.
- Background in one (or more) of the following research areas: risk analysis, risk assessment, risk mitigation, shipping, marine systems, technology assessment, environmental assessment, or social-ecological systems. We do not expect applicants to have experience with all of these areas, and are looking for applicants with a strong background in one (or more), interested in gaining experience in the others.
- Strong training in quantitative methods and/or qualitative methods with respect to understanding and analyzing marine shipping risk, e.g., modelling, meta-analysis, systematic review, surveys, interviews, focus groups.
- Demonstrated ability to collaborate in interdisciplinary teams, with experience in partnered research with civil society, government, and rightsholders and stakeholders considered an asset.
- Strong organizational, project management, oral and written communication skills.

Application Details:

Please submit a single PDF file to info@clearseas.org, with the subject line: "APPLICATION: Postdoc Shipping Risk – YOUR NAME", including:

- Cover letter describing your relevant experience, research interests, and available start date
- Curriculum vitae
- Research proposal
- Two references (provide names and email addresses)

We recognize the value of experiences outside of traditional academic or research settings (e.g., leadership, community service and engagement, other personal experiences). As a result,

you are encouraged to note how these experiences contribute to your research interests and skills as well.

We are committed to diversity and inclusivity, and believe that our research to support sustainable, healthy, and just futures is best accomplished with a diversity of perspectives in the research team. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the Canadian Human Rights Commission, including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or self-identification as a First Nation, Metis, Inuit or Indigenous person.

Application Deadline:

Applications will be considered on a rolling basis until the position is filled; the priority deadline is November 30, 2023. The position will be appointed for one year, expected to start January 2024, with possible extension for an additional year, based on performance.