

## Job posting

N° 22088

June 15, 2022 to July 15, 2022

### **PROFESSOR - RESEARCH CHAIR IN HYDROGEOLOGY** **Eau Terre Environnement Research Centre** **Open to internal and external candidates | Tenure-track Position**

#### **Context and summary**

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The Institut national de la recherche scientifique (INRS) is the only institution in Quebec dedicated exclusively to research and graduate training. In partnership with the community and industry, INRS is proud to contribute to the development of our society through its discoveries and to contribute to the training of a new generation of high-level scientists in the fields of science and engineering, social sciences and health.

The Eau Terre Environnement Research Centre of INRS (INRS-ETE) is seeking applications for a regular faculty position in the field of hydrogeology. The quality of the candidates' files would allow them to submit an application to the Canada Excellence Research Chairs program. The Chair would be worth a maximum of \$500,000 per year for 8 years (including 25% of the total value of the Chair for indirect research costs). The person recruited will join a group of researchers covering several specialties in hydrogeology as well as several fields related to water, environment and geosciences. The Centre benefits from an impressive research infrastructure including state-of-the-art laboratory and field equipment. In hydrogeology, this equipment includes a Contaminant Hydrogeology Laboratory, a Geotechnical Drilling System and a wide range of geophysical instrumentation. The competition is not aimed at a specific specialty of hydrogeology. Thus, the expertise and the field of research of the person recruited may cover one or more of the fields of hydrogeology and his or her research work may benefit from one or more of the various research infrastructures available.

#### **Main duties and responsibilities**

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Develop, within the framework of the ETE Center's multidisciplinary programs, innovative research activities in hydrogeology related to one or more of the following themes:

- Groundwater resources (e.g., inventory and sustainable management of resources, groundwater recharge, water supply);
- Hydrogeology of contaminants (e.g. contaminated sites, remediation methods, laboratory or field testing, organic, inorganic or emerging contaminants);
- Physical characterization of aquifers (e.g., hydraulic testing, hydrogeophysics, innovative laboratory and field methods);
- Hydrogeochemistry (e.g., geochemical processes, groundwater residence time, tracer tests);
- Numerical simulation of flow systems (e.g. representation of flow and mass, solute or heat transfer processes at various scales).

Secure funding for its research activities through external grants from public and private organizations.

Participate in training activities, particularly in the framework of the center's graduate programs, and in the supervision of students and research personnel.

Contribute to the influence of INRS at the national and international levels.



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## Requirements

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- PhD in a relevant field;
- Have relevant post-doctoral experience or experience in industry or government services;
- Demonstrate a strong potential for collaboration and complementarity with other faculty members of the Centre in a multidisciplinary perspective;
- Have a scientific output demonstrating scientific autonomy;
- Ability to supervise graduate students, postdoctoral fellows and research staff;
- Demonstrated entrepreneurial spirit and ability to self-finance research. Current grants or contracts will be considered an asset;
- Have excellent potential to conduct original, productive and formative graduate research, demonstrate scientific leadership and have international recognition to apply for a Canada Excellence Research Chair [Canada Excellence Research Chairs Program 2022 Competition \(cerc.gc.ca\)](https://cerc.gc.ca).

## Working language

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French is the working language of the Institute. Knowledge of English is required. Candidates who do not commonly use French are strongly encouraged to apply. The selected candidate will be invited to improve their knowledge of French during their first contract (3 years, renewable after evaluation), and all necessary resources to achieve this will be provided.

## Workplace

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Institut national de la recherche scientifique (INRS)  
**Eau Terre Environnement Research Centre**  
490, rue de la Couronne  
Québec (Québec) G1K 9A9

## Salary

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In accordance with the collective agreement in effect at INRS.

## How to apply

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INRS encourages candidates who meet the position requirements to apply online by submitting a complete curriculum vitae, copies of their three most significant publications, a two- to three-page summary of their research interests, a statement of teaching philosophy, and the names and contact information of three referees through the Career page of the INRS website by **July 15, 2022**.

In the event that additional documents in a format that cannot be uploaded online need to be attached to your application, you may send them to the following address:

### Direction

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INRS is committed to promote equity, diversity and inclusion and invites all qualified candidate to apply, including women, members of visible and ethnic minorities, Indigenous persons and persons with disabilities, in relation to the Equal access to employment programs. However, Canadian and Permanent Residents will be given priority.



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Selection tools can be adapted to the needs of persons with disabilities throughout the recruitment process. If you anticipate requiring adaptive measures, or for any questions concerning equity, diversity and inclusion at INRS, please contact [edi@inrs.ca](mailto:edi@inrs.ca).

INRS also asks its selection committees to take account of career interruptions and special circumstances when reviewing applications. Applicants are therefore invited to indicate the nature of these interruptions or special circumstances in their cover letter.