



## **Metal Earth MSc Student Research Opportunity, Project 2: Exploration Maturity - September 2021**

With CAD \$104 million in funding provided by the Canada First Research Excellence Fund (CFREF), the Northern Ontario Heritage Fund and through strategic partnerships with universities, government geological surveys, and international research centres, Laurentian University has initiated Metal Earth - the largest ever mineral exploration research project undertaken in Canada. Metal Earth seeks to identify and understand the processes responsible for Earth's differential metal endowment during the Precambrian. This research initiative aims to transform our understanding of Earth's early evolution and how we explore for metals.

Metal Earth is led by the Mineral Exploration Research Centre (MERC) at Laurentian University in Sudbury, Canada. MERC was established in 1997 and comprises an internationally recognized group of researchers from academia, industry, and government.

### **MSc Project 2 (Project ID 2021 04): Exploration Maturity**

This project will compile databases of metal prospects, grade tonnage curves and active and historic mines in the Abitibi and the Wabigoon subprovinces. Using different analytical methods, the data will be analyzed to determine the exploration maturity of different areas using statistical methods. These analyses vary with the areas selected, the validity of these methods will be tested at different scales, ranging from deposits to camp to belt scale.

One **MSc student** is sought with interest in **mineral exploration**. The project will be supervised by Dr. Ross Sherlock at Laurentian University.

### **Application Process:**

To apply, please forward your application and cover letter to [merc@laurentian.ca](mailto:merc@laurentian.ca) and reference the Project Identification Number and position you are applying for. The application should include: a CV including a list of publications and conference presentations, academic transcripts, contact details and the names of three referees. Review of applications will begin in July 2021, but applications will be accepted until August 2021.

Metal Earth MSc projects are fully funded for two years (\$30K/year, which includes a Laurentian Graduate Assistantship) and include complete field and analytical support.

*Laurentian University is a bilingual (French-English), tri-cultural institution. Laurentian University especially welcomes and encourages applications from members of visible minorities, women, Aboriginal persons, members of sexual minorities and persons with disabilities. Applicants may self-identify as a member of an employment equity group. All qualified candidates are encouraged to apply. However, Canadians and permanent residents will be considered first for these positions.*