

GeoEXPLORE (2011-2013)

GeoEXPLORE is a three-year directed research program, intended to enhance geoscience research and development (R&D) capacity, collaboration, and industry innovation in support of mineral and petroleum exploration and development in Newfoundland and Labrador.

Funding Summary

RDC is investing in geoscience R&D projects, with relevance to industry and significant potential for economic impact in Newfoundland and Labrador.

Target Areas

- Research Team Awards
- Geoscience Research Tools and Equipment
- Collaborative Research Opportunities
- Post-doctoral Researchers
- Industry-led R&D, Technology Development and Demonstration

Advancing exploration and development with enhanced resolution and more rapid and accurate automated quantification of mineralogy:

RDC is fostering collaborative research among academia, industry and government by investing in innovative geosciences R&D. Shown here is a reflected light optical microscope image of fracturing in massive sulphide (5 mm scale polished section) from Labrador, provided by Memorial University of Newfoundland.



Description

GeoEXPLORE (2011-13) is a RDC-directed research program in support of geoscience R&D. Directed research is an internationally recognized program framework for accelerating R&D in priority areas, and is often characterized as thematic, problem solving, capacity building, and collaborative.

Geoscience R&D is a prerequisite to mineral and petroleum exploration and development, with significant potential to not only reduce geological risk and exploration costs, but also enhance exploration success and resource development opportunities throughout Newfoundland and Labrador. Alignment of research outcomes with industry needs, development opportunities, and potential for economic impact will be key considerations in evaluating GeoEXPLORE proposals.

RDC investments are targeted through five areas:

- **Research Team Awards** – Supports academic-led research teams that engage industry and other potential collaborators in support of targeted exploration and development opportunities in the province of Newfoundland and Labrador.
- **Geoscience Research Tools and Equipment** – Supports academic-led, industry-engaged projects where new equipment is required to enhance R&D capacity and further exploration and development opportunities.
- **Collaborative Research Opportunities** – Encourages local, national, and international collaboration among academia, industry, and government researchers in areas that address industry needs and development opportunities.
- **Post-doctoral Researchers** – Focuses on industry-relevant R&D projects, where the Post-doctoral Researcher is embedded (supervised) in either academic or government research environments.
- **Industry-led R&D, Technology Development and Demonstration** – Supports industry-led projects in the mining or petroleum sectors, including related technology providers and collaborators, where geoscience R&D could reduce exploration risk, increase discovery success, and support innovation through to resource development. This includes projects related to production, processing and reducing environmental impact.

Funding Requirements

Applicant eligibility, submission requirements, and the level of R&D funding available varies by area. Research Team Awards and Geoscience Research Tools and Equipment will be identified through academic calls for proposals, whereas Collaborative Research Opportunities, Post-doctoral Researchers, and Industry-led R&D, Technology Development and Demonstration projects may be funded at any time.

Additional Information

RDC's Senior Geoscience Advisor will champion this program and work with industry, academia, and government to identify R&D opportunities that align with the program objectives.

Prior to developing a project proposal, please refer to RDC's website and contact RDC's Senior Geoscience Advisor for additional information:

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About Us

The Research & Development Corporation (RDC) is a provincial Crown corporation with a mandate to strengthen research and development (R&D) in Newfoundland and Labrador for the long-term economic benefit of the province. RDC invests in highly-qualified people, innovative research and world-class infrastructure in priority areas that have the potential to strengthen Newfoundland and Labrador's R&D capacity and impact our economy. RDC supports academic, business and government clients through ongoing programs, targeted and competitive calls for proposals, as well as other strategic investments in priority areas.