



Application Guidelines

IMI's Developing Innovations Program supports research seeking innovative solutions to mineral industry needs.

Grants up to \$250,000 are available for a two-year project with an emphasis on those supporting or validating 'new-to-mining' technologies.

The Program can be the next step to:

- further investigate the outcomes of an Exploring Innovations project,
- research an industry defined problem discovered through industry collaboration or a call for proposals, or
- apply new methodology on previous research.

The goal is to develop innovative technologies, processes or applications that can be validated in a laboratory, tested in a simulated environment, or a model or prototype is developed. Proof of concept demonstration is desired at the end of the project. Industry will want to see if:

- Technical merits have been sufficiently explored
- Advantages of the technology are consistent with initial expectations
- Commercialization potential has been identified and assessed
- Issues or problems have a path to resolution

Key elements to a project could include:

- A research design that seeks to solve a specific problem or provide innovative solutions to issues affecting the minerals industry
- Draw upon basic research results, literature searches, field research and discussion with industry experts
- A relevant laboratory or simulated environment
- Technical analysis that evaluates current technology options and limitations, and assessment of possible innovative approaches
- Screening, testing, and prioritizing of theories/methodologies/concepts
- Results – research report that demonstrates the initial feasibility of the technology developed



Completing the Application

Note that all sections are required to be completed.

The total length of the proposal should not exceed **4 pages** including the cover page.

Proposal ID:

Please do not complete this. A proposal ID will be provided upon the submission of your proposal.

Date of Submission:

Enter the date you submit the document to IMII.

Title of Proposal:

Please select a short title that clearly identifies what the proposal is about. This title should be able to be carried throughout the term of a project.

Contact Information:

Please provide your full contact information.

Application Details:

Proposal Category:

Please select one category from the list on the application that best meets your proposal.

Funding Requirements:

Please note that a minimum of 25% of the overall budget must be provided by the proponent and sources outside of IMII. This can be cash, in-kind of a tangible value, or the raising of funds from other sources such as Mitacs or NSERC for the project. In-kind can represent salaries, resources, materials, or services. Expenses incurred prior to the project will not be accepted.

Enter the total cash budget, IMII funding requested, your organizations' cash contribution, and other anticipated cash contribution (e.g., federal funding program). Enter the total in-kind budget, the estimated value required from industry (IMII members), the total in-kind contribution from your organization, and the total in-kind from supporting organizations.

Project length will be the total time to accomplish the project.



Supplemental Pages:

In 2-3 pages, please provide the following details:

Project Team:

- a) **Core Project Team.** Please discuss the core project team working on this project. Describe capabilities, related experience, resources.
- b) **Collaborators.** Please describe the collaborators who are directly partnering with you to deliver this project. Discuss the capabilities, related experience, and resources.
- c) **Supporting Organizations.** Please describe the type of supporting other organizations will provide to the project such as cash, in-kind, or resources to the project. This is inclusive of federal funding agencies. Resources can be seen as financial, intellectual property, data, equipment, expertise, etc.
- d) **Highly Qualified Personnel.** If you will be hiring highly qualified personnel (e.g. master students, post-docs, PhD students), please describe how the knowledge and experience gained by students, HQP and any additional support staff is relevant to the advancement of the field, to developing practical applications of knowledge, or strengthening the industrial research base.

Project Concept and Methodology:

- a) **Statement of Need.** Describe the problem you are proposing to solve. Why do you feel this is a problem for IMII members? Consider the extent to which the industry will benefit from the scientific, engineering, or technical advances, or the innovative techniques, processes or products that will be explored in the proposed project.
- b) **Methods and Strategy.** Describe the current context and the proposed methodology to be used in addressing the problem. Consider the research or technology challenge to be explored through the project. Briefly outline the underlying challenges, the scientific issues or engineering issues, research problems or technical complexities associated with solving the industry problem. Outline the methodology proposed to resolve the problem and explain the innovative nature of the methodology. Describe the start point and expected endpoint to the research.
- c) **Deliverables and Beneficiaries.** Describe the intended deliverables and main beneficiaries of the project. Outline the key benefits that could be accrued to the industrial partner(s) when these results are implemented into the company's operations. Add any additional economic social and environmental benefits that could be realized in the industry should the innovation prove viable.

Applications should be submitted to Jared Galenzoski @ RDprojects@imii.ca.