



Grand Challenge for Sustainable Diagnostic
Laboratories
Request for Expressions of Interest
Expression of Interest Questions

NOTE: Expression of Interest questions are being shared here for ease of reference only. Expressions of Interest cannot be accepted by email. All applications **MUST** be submitted through the Fluxx portal at <https://gcc.fluxx.io>. Please review the Request for Expressions of Interest for additional details.

APPLICANT INFORMATION

Institution:

Project Lead:

In the event that respondents to this Request for Expressions of Interest are invited to submit a full proposal for funding in the context of a Phase II Grand Challenge for Sustainable Diagnostic Containment Laboratories program, Grand Challenges Canada can only fund legally incorporated entities or any entities that have the legal capacity to enter into a contract with Grand Challenges Canada. For clarification on institutional eligibility criteria, please consult Section 3.3 of the Request for Expressions of Interest.

1. Select your organization's legal entity type:
2. Select the country in which the applicant organization is legally incorporated:
3. Indicate if you have worked in the past with Global Affairs Canada's Weapons Threat Reduction Program or World Organization for Animal Health (formerly OIE) on the issue of diagnostic laboratories:. (Yes/No)
4. List any additional project collaborators and their affiliated organizations:

Include their full name, role or job title, the organization they are employed by and the organization's full address. Include a very brief note about how they will contribute to the proposed project whether it be as an anticipated Project Co-Lead, a research or implementation partner, a service provider, etc.

Signing Authority is the person who's been given the right to sign documents on behalf of the authorizing institution/organization.



Signing Authority Name:
Signing Authority Job Title:

Additional Contact (Optional)

Project Lead must be the main contact. If you are filling out this Expression of Interest on behalf of the Project Lead listed above, please provide your contact information.

Additional Contact Full Name:
Additional Contact Email:

PROPOSAL DETAILS

- 1. Project Title:**
- 2. Estimated project cost (CAD):**
- 3. Estimated Project Duration (in months):**
- 4. Country/Countries of Implementation:**

Indicate the low- or middle-income country/countries where you plan to implement your proposed innovation. Please refer to Section 2.4 of the Request for Expressions of Interest regarding eligible implementation countries.

AREAS OF FOCUS

1. Which area of sustainability, relevant to containment diagnostic laboratories does your proposed innovation idea address? You are not limited to one category. Your proposed innovation idea may address more than one category.

Areas of sustainability
1. Laboratory end-to-end concepts and design, including innovations that reduce reliance on resource intensive components (energy, clean water and air, waste disposal) of current diagnostic laboratories.
Laboratory operation innovation that delivers functions required for high-consequence pathogens to be handled safely and securely, bridging the need for high intensity operation in crises with business-as-usual operations under standard conditions.
2. Business model innovation for ownership and utility of laboratory functions sustained by local leadership
3. Other (please specify)



Application Notes:

- Expressions of Interest must include all required information and address all questions. Only complete applications, submitted in either English or French, will be considered for review.
- Please be as concise as possible. You may use bullet points to answer the questions in the application form. Please ensure all acronyms are defined in their first use.
- Character counts refer to the number of letters and spaces within a written passage. Please note that Fluxx uses character counts not word counts, and spaces are included in the character counts listed below. For the Innovation Screen, (criteria outlined in Section 3.4 of the Request for Expressions of Interest) reviewers will use ONLY the questions marked with an asterisk to decide if Expressions of Interest will proceed to the next evaluation step.
- Please consider the evaluation criteria set out in the Request for Expressions of Interest (Section 3.4 and 3.5) when submitting your answers below.

A. Impact

1. Describe the barrier to sustainability in maintaining biosafety and / or biosecurity of diagnostic containment laboratories that you will address in your proposed implementation context and provide information that outlines the demand or gap that you intend to fill. **(Maximum response allowed is 1000 characters) ***
2. Describe how this barrier impacts the sustainability of core laboratory functions with respect to ongoing operational costs (as outlined in Section 2.1 of the Request for Expressions of Interest) in your innovation context. **(Maximum response allowed is 1000 characters) ***
3. What is your proposed innovation? Please be specific in how it addresses the biosafety and / or biosecurity issue (outlined in Q1) as it relates to sustainability of core laboratory functions with respect to ongoing operational costs (outlined in Q2). **(Maximum response allowed is 1000 characters) ***
4. Describe how your proposed innovation is relevant to laboratories for communities in low- or middle-income countries that are not served by current approaches. **(Maximum response allowed is 1000 characters) ***
5. How would your proposed innovation fundamentally transform how the problem (as outlined in Q1-2) is addressed? **(Maximum response allowed is 1000 characters) ***



B. Innovation

1. What makes your proposed solution innovative? Why is your proposed innovation a better alternative to current approaches to the problem outlined in Section A? **(Maximum response allowed is 2000 characters) ***
2. Briefly describe how your proposed innovation, if applicable, integrates the areas of Integrated Innovation: scientific/technological innovation, social innovation and business innovation (see <http://www.grandchallenges.ca/integrated-innovation/>). For example, if your proposed innovation is based on a technological or scientific development, please explain your plan for addressing the social and/or business/sustainability aspects that are required to successfully implement your proposed innovation and bring it to scale (e.g. business planning, community engagement, policy-maker engagement, understanding end-user demand, distribution, integration within existing platforms, etc.) **(Maximum response allowed is 600 characters each)**

You must respond to at least one. If any of the areas of Integrated Innovation does not fit with your proposal, simply mark N/A in the text box.

Scientific/Technological

Social

Business/Sustainability

C. Localization

1. How has the applicant institution or individuals and/or proposed partners involved been acquainted with the challenges of sustainable diagnostic laboratories in the context of the implementation country/countries selected? **(Maximum response allowed is 1000 characters)**

D. Project Execution Plan

1. Describe your project execution plan including proposed activities, implementation strategy, proposed collaborations, milestones and timelines. **(Maximum response allowed is 2000 characters)**
2. Identify the key risks that may arise and how you will manage and mitigate for these risks. Please consider the local context and include any type of risk you deem relevant to your context and proposed innovation, such as technical, execution, legal, and/or political risks. **(Maximum response allowed is 1000 characters)**



E. Leadership Capability to Champion Change

1. Describe the relevant experience of the planned project lead, key team members and collaborators which best positions this project team to carry out the proposed activities. **(Maximum response allowed is 1500 characters)**
2. How is the project team’s approach to developing and implementing the proposed innovation going to engage actors across diverse sectors and foster greater interdisciplinary collaboration in responding to this specific laboratory sustainability issue? **(Maximum response allowed is 600 characters)**

F. Value for Effort

Please provide estimated total budget and category.

Budget Category	Amount (CAD)
Total	

G. Other:

Comments

We invite any other comments or feedback related to the topic of this Request for Expressions of Interest, the areas of focus and scope of this call to better inform a Grand Challenge on Sustainable Diagnostic Containment Laboratories.

Previous funding

1. Have you or your team members previously applied for funding from Grand Challenges Canada?
2. Have you or your team members previously been awarded a Grand Challenges Canada Grant?
3. Provide the Grant ID Number for any current or past Grand Challenges Canada funding award(s) received by you or your team. If you or your team members currently hold, or have previously held, a Grand Challenges Canada grant, clearly indicate how this proposal differs from the grant(s) awarded.



Citations and References

List most relevant citations and/or references for your work or the work of others that support your proposed innovation. References must include the title, names of all authors, book or journal, volume number, page numbers, and year of publication. Please only cite or reference research that is recent, relevant, and of high quality. Where possible, please provide a webpage link to the reference. **(Maximum response allowed is 2000 characters)**

Third Party Intellectual Property Rights

1. Do any third parties own intellectual property rights (patents, copyrights, trademarks, trade secrets, etc.) in technical components, content, or datasets that form part of the proposed innovation for which you are seeking proof-of-concept funding? **(Maximum response allowed is 1000 characters)**
2. If yes, please (i) describe the third-party intellectual property rights at issue, (ii) indicate whether you have a license agreement in place for those rights that will permit you to carry out the proposed innovation if it were to receive funding to demonstrate proof-of-concept and to scale the proposed innovation in low- and middle-income countries, if proof-of-concept is demonstrated, and (iii) indicate whether the third-party owner is willing to sign an undertaking to comply with Grand Challenges Canada's [Sharing and Access for Impact Strategy](#). **(Maximum response allowed is 1000 characters)**

Certification

1. By submitting this application, I certify to Grand Challenges Canada that I have read and agreed to the [Terms and Conditions](#), read and understand the [Privacy Policy](#) . I certify that I am authorized to apply for this Request for Proposals on behalf of my institution.

How did you learn about this Request for Proposals? Select and specify all that apply.

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