2020 Large-Scale Applied Research Project (LSARP) Competition: Genomics Solutions for Natural Resources and the Environment

Updated Information
Revised deadline dates to the 2020 LSARP Competition: Genomics Solutions for Natural Resources and the Environment. See updated dates in Deadlines.

Sponsor

Genome Canada

Program

Large-Scale Applied Research Project (LSARP)

For More Information

More information on criteria, eligibility, and RFA and application documents can be found on our LSARP 2020 page. [1]

A list of previously funded LSARP projects can be found on the Ontario Genomics' Large Scale Applied Research Project (LSARP) Competition [2].

Description

Genome Canada, together with Natural Resources Canada (NRCan), has announced a Request for Applications (RFA) for the 2020 Large Scale Applied Research Project Competition “Genomics Solutions for Natural Resources and the Environment”. The Competition aims to support applied research projects that use genomic approaches to address challenges and opportunities in Canada’s natural resources and environment sectors, including interactions between natural resources and the environment, thereby contributing to the Canadian bioeconomy, a healthy environment and the well-being of Canadians.

The scope of this funding opportunity will include areas such as genomics research related to energy, mining, forestry, water stewardship, healthy oceans, wildlife management/conservation and bioproducts that help conserve natural resources, protect the environment and support sustainable resource management. It also includes the use of genomics to understand the adaptive genetic potential of species, populations and ecosystems to climate and other environmental changes and stressors, and identify those key elements that impact ecosystem structure, function and diversity.

The natural resource and environment sectors have a history of using research to assess challenges and develop various solutions. Knowledge and innovation emerging from genomics have the potential to help address the challenges in these sectors and thereby drive sustainability, growth, productivity, commercialization and global competitiveness. Previous investments from Genome Canada in these sectors have led to the development of genomic tools, resources and policies for biomonitoring and ecotoxicological risk assessment, bioremediation, increased efficiency of hydrocarbon extraction, and increased forest sustainability.

Eligibility

Genome Canada funds can only be awarded to individuals affiliated with one or more of the following types of organizations:

- Canadian universities and affiliated institutions including research hospitals and research institutes
- Not-for-profit organizations (including community or charitable organizations) with an explicit research mandate
- Canadian non-federal government departments or agencies
- Research teams may include as co-applicants international, private sector, or federal laboratory scientists. However, Genome Canada funding is restricted to activities performed within Genome Canada eligible institutions and NRCan funding (from this funding opportunity) is restricted to activities performed within NRCan.

Because genomics and its applications in the natural resource and environment sectors can have significant social and economic impact, all projects must undertake research into the application and implications of genomics in society (GE^3LS research). GE^3LS research can either be the major focus of the project or an integrated component that is shaped by, and helps shape, the overall project.

Funding Availability

There is approximately $25 million available for the term of this competition through Genome Canada, and approximately $1.5 million from NRCan.

The contribution from Genome Canada must be between $1 million and $3 million, and the amount of co-funding from eligible sources must be at least equal to the Genome Canada contribution.

Maximum Project Value

The maximum contribution to an approved project will be $3 million from Genome Canada. There must be a minimum contribution of $1 million from Genome Canada in each approved project.

A project's eligible costs must be co-funded from eligible sources such that the co-funding is at least equal to the Genome Canada contribution. The NRCan funding for this competition cannot be included as co-funding.

Project Duration

Successful individual projects will be awarded funding for a term of up to four years.

Special Notes

Ontario Genomics will be hosting an informational webinar on February 10, 2020 at 10:00AM to address any questions on this funding opportunity. To receive further details please register [3] in advance with Ontario Genomics.

In order to better prepare the projects being submitted from Ontario for this competition, Ontario Genomics will engage external reviewers and advisors to perform a friendly review of the draft applications and facilitate strategy sessions. Please note that to accommodate this process Ontario Genomics deadlines differ from those in the official RFA from Genome Canada. Applicants will receive feedback on their applications including gaps and areas for improvement to be addressed prior to submission to Genome Canada.

Researchers in Ontario intending to submit an application are strongly encouraged to contact Ontario Genomics, if having not already done so, to discuss details of the competition such as the scope, the application process, tips for writing the Benefits to Canada Section of the proposal, how to incorporate GE^{3}LS in proposals, and co-funding requirements.

Deadlines

If College-level review is required, your College will communicate its earlier internal deadlines.

Type	Date	Notes
External Deadline	Monday, March 2, 2020 - 4:30pm	Draft Registrations due to Ontario Genomics. There is no need to submit an OR-5 form to the Office of Research Services at this stage of the competition.
Internal Deadline	Wednesday, July 15, 2020 - 4:30pm	Please submit an OR-5 form and copy of the Pre-Application to research.services@uoguelph.ca [4] before July 15, 2020

Type	Date	Notes
External Deadline	Wednesday, July 29, 2020 - 10:00am	Final Pre-Application due to Ontario Genomics

How to Apply

The application process will be comprised of three steps: Registration, Pre-Application and Full Application.

Draft registrations are due to Ontario Genomics on **March 2, 2020.**

Applicants invited to Full Application stage will work with the Office of Research Services and Ontario Genomics to establish internal deadlines to support the **Final Full Application submission due to Ontario Genomics by September 28, 2020.**

A detailed Competition Timeline is available on the Ontario Genomics 2020 Large-Scale Applied Research Project Competition [1]. Deadlines may be subject to change so please communicate with Ontario Genomics and Office of Research Services to coordinate your submission.

Application Material and Relevant Links

RFA and Guidelines:

- Request for Applications (RFA) [5]
- Guidelines for Funding Research Projects [6]

Registration form:

- Registration Form [7]
- Suggested Reviewers Form [8]

For Pre-application and Full Application forms please check the Ontario Genomics website for updates.

Information For Co-applicants

If you need to meet a deadline set by the lead institution for this opportunity, please ensure that you provide the Office of Research with at least five days in advance of the lead institution's deadline to review the application, or your proposed component of the project. Please be in touch with the Office of Research (contact information below) ahead of the deadline if it looks

like it will be difficult for you to submit all the required documentation on time (i.e. budget, proposal, OR-5 Form).
For Questions, please contact
Ontario Genomics

Laura Riley, Advisor, Sector Innovation and Programs at lriley@ontariogenomics.ca [9].

Office of Research

Gregor Lawson, Industry Liaison Manager
Research Innovation Office
519-824-4120 x54807
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Alert Classifications**Category:**
Funding Opportunities and Sponsor News

Disciplines:
Health and Life Sciences
Information and Communications Technology
Physical Sciences and Engineering
Social Sciences

Source URL:https://www-research.uoguelph.ca/research/alerts/content/2020-large-scale-applied-research-project-lsarp-competition-genomics-solutions-natural

Links
[1] https://www.ontariogenomics.ca/funding-opportunities/open-competitions/2020-lsarp/
[2] https://www.ontariogenomics.ca/funding-opportunities/awarded-projects/large-scale-applied-research-project-competition-lsarp/
[3] https://www.eventbrite.ca/e/webinar-2020-lsarp-tickets-92390712107
[4] mailto:research.services@uoguelph.ca
[5] https://www.ontariogenomics.ca/wp-content/uploads/2020/01/2020-LSARP_RFA_20-01-29-EN.pdf
[6] https://www.ontariogenomics.ca/wp-content/uploads/2020/01/2020-LSARP_GuidelinesforFunding-20181108.pdf
[7] https://www.ontariogenomics.ca/wp-content/uploads/2020/01/2020-LSARP_RegistrationForm.doc
[8] https://www.ontariogenomics.ca/wp-content/uploads/2020/01/2020_LSARP_RegistrationForm_AppendixI.xlsx
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