

Q&A - Request for Proposals: Economic study on genomics, biotechnology and the biorevolution

Genome Canada's answers to questions submitted regarding this request for proposals:

- 1. Questions: We understand that Genome Canada has access to internal data regarding genomics investments and developments in Canada, and wondered what data is available in Genome Canada that could be made available in support of this project would be, and what the parameter (such as confidentiality, non-disclosure) for access to such data would look like. / Does Genome Canada anticipate being able to share any data with the successful candidate, for use as an input in their modeling? (e.g. current estimated spending on genomics and genomics-enabled biotechnology)"**

Genome Canada can share available internal data and connect the successful firm with staff at the regional Genome Centres who have deep knowledge of the investments. However, existing comprehensive economic impact data is limited. Examples of available information from Genome Canada:

- A selection of project applications and final reports that demonstrate a clear link to economic impact (examples on specific types of research and sectors available upon request).
- Examples of researcher journeys showing the amount of time and funds it takes to bring an idea to market—including examples of search investment journeys bringing researchers from the basic research stage through to commercialization.
- Key performance indicators and impact reporting data from regional Genome Centres
- The evaluation of our GAPP program (Genomics Applications Partnership Program) which pairs researchers with industry and the resulting recommendations
- Internal reports on specific sectors

Parameters for accessing data:

The successful firm will be required to sign data privacy, storage and confidentiality agreements.

- 2. The final deliverable is “A published report (available virtually/downloadable and in hard copy).” Do you require the report be published by / made available on the website of the successful firm?**

We would like the successful firm to publish and make the report publicly available. Genome Canada will work with the successful firm to codevelop a communications and knowledge mobilization plan for the product(s) of this work. Genome Canada requires full rights to republish ourselves.

3. Will Genome Canada provide a list of preferred technologies and use cases for the awardee to include in the economic modelling?

No, but Genome Canada will require final approval of the technologies selected.

4. Economic impact year: can Genome Canada specify the years for which we want the successful firm to conduct economic impact analysis for? And, for what year does GC want the successful firm to estimate projected economic impacts for?

The primary goal of this study is to explore the potential future economic impact of genomics and genomics-enabled biotechnology for Canada—including the impact of these technologies on key strategic sectors for Canada (e.g. agriculture and food, natural resources, health, etc.). We envision a time horizon of at least 10 years+ for these estimates, to be confirmed based on discussion with the successful candidate. This work may require more assumptions and scenario modeling than short-term economic impact studies. It may also draw from existing literature and data with its own time horizons.

For the section of the study looking at the current Canadian and global context, we expect that the firm will draw from existing literature and data.

5. Economic impact region: Can Genome Canada specify the jurisdiction or jurisdictions for which we want the successful firm to conduct economic impact analysis for? If GC wants economic impacts for subnational jurisdictions, can we define those regions precisely?

The study should address economic impacts at the Canadian/national level, as well as the subnational level. We envision defining the regions for this subnational analysis in collaboration with the successful firm. Current options for consideration include: provincially/by territory, regionally (along the lines of Atlantic Provinces, Central Canada, Prairie Provinces, West Coast, Northern Territories) or by region represented by a Genome Centre (British Columbia, Alberta, Prairie, Ontario, Quebec, Atlantic).