

The **Genomics Research and Development Initiative (GRDI)** delivers on the promise of genomics to enhance the health, safety and economic prosperity of Canadians

Long-term impacts of GRDI-funded research are projected to measure in the billions of dollars

PUBLIC HEALTH AND SAFETY

- Safer food and water supply
- Safer health and food products
- Reduced impacts from disease outbreaks
- Treatments for cancer and other diseases
- Enhanced response to biological emergencies



COMPETITIVE AGRICULTURE AND RESOURCE INDUSTRIES

- Enhanced forest protection and production
- Hardier, more productive food crops
- Improved fisheries tracking and management
- Protected vulnerable fish stocks
- Stronger regulation and trade standards



ENVIRONMENT

- Reduced impact of environmental disruptors
- Healthy soil and water ecosystems
- Protected biodiversity and wildlife
- Reduced impact of contaminants
- More sustainable resource and agri-food production



SCIENTIFIC EXCELLENCE

- Hundreds of peer-reviewed papers, honours and recognitions
- Recruitment and training of highly qualified personnel
- Use of results in regulatory and policy decisions
- Standards and protocols adopted by other countries
- Transfer of knowledge and tools to collaborators



GRDI projects attracted more than 480 collaborators external to the federal government

Other public sector organizations (e.g., provincial/municipal entities, NGOs) — 98 (20%)

International research organizations — 82 (17%)

Canadian research organizations — 17 (3%)

Private sector researchers — 34 (7%)

International universities — 90 (19%)

Canadian universities — 165 (34%)

