

NSERC

Making Canada
a country of
discoverers and
innovators





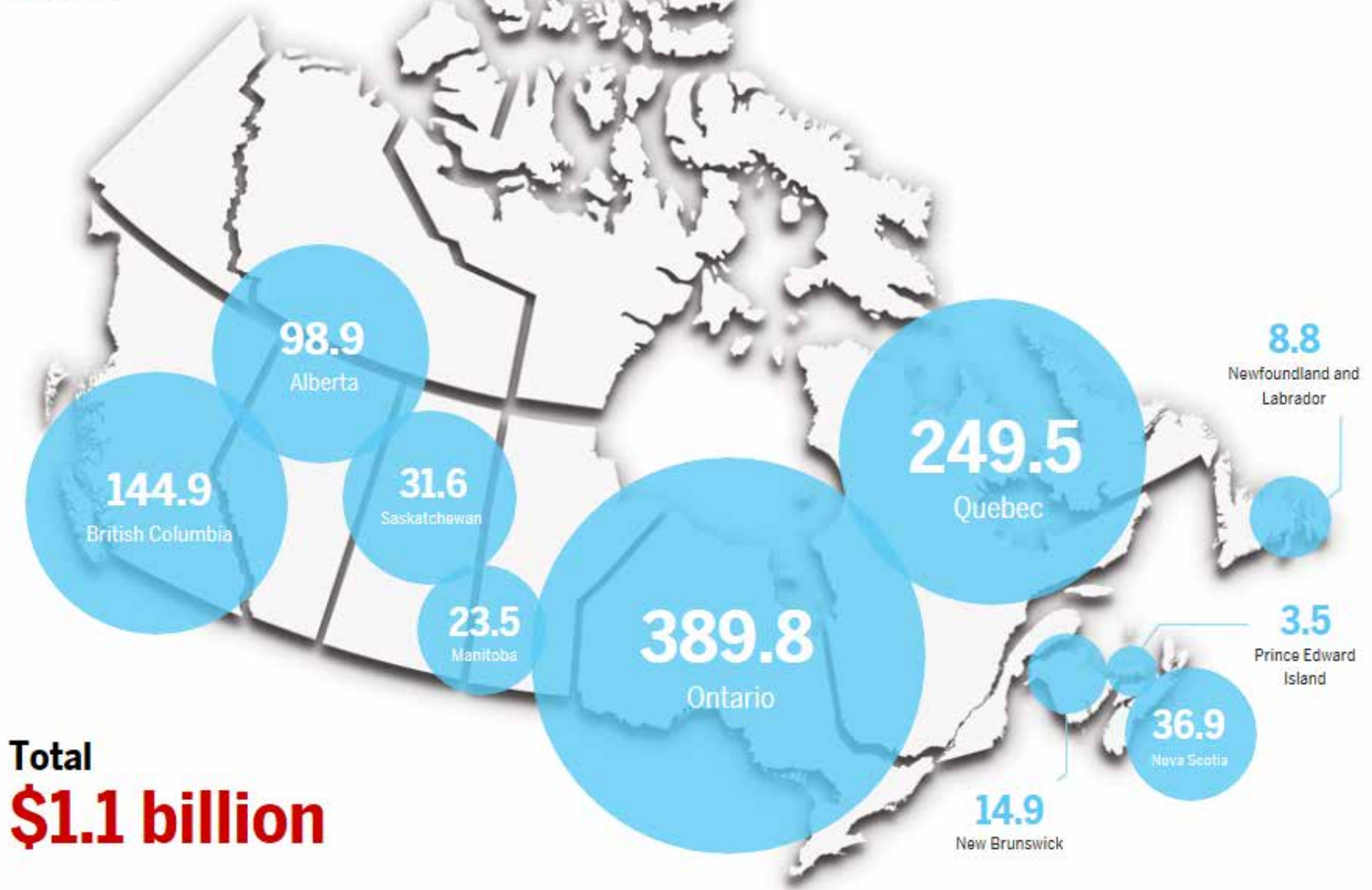
NSERC
CRSNG

- \$1.1 billion dollars
- 30,500 post-secondary students and post-doctoral fellows
- 11,500 professors
- 3,500 Canadian companies



NSERC Investments across Canada in 2013-14

(\$ million)



Note: Provincial funding totals exclude grant payments made to recipients currently outside of Canada and administration costs, both of which are included in NSERC's total budget amount.

NSERC Stats in 2014 - 2015

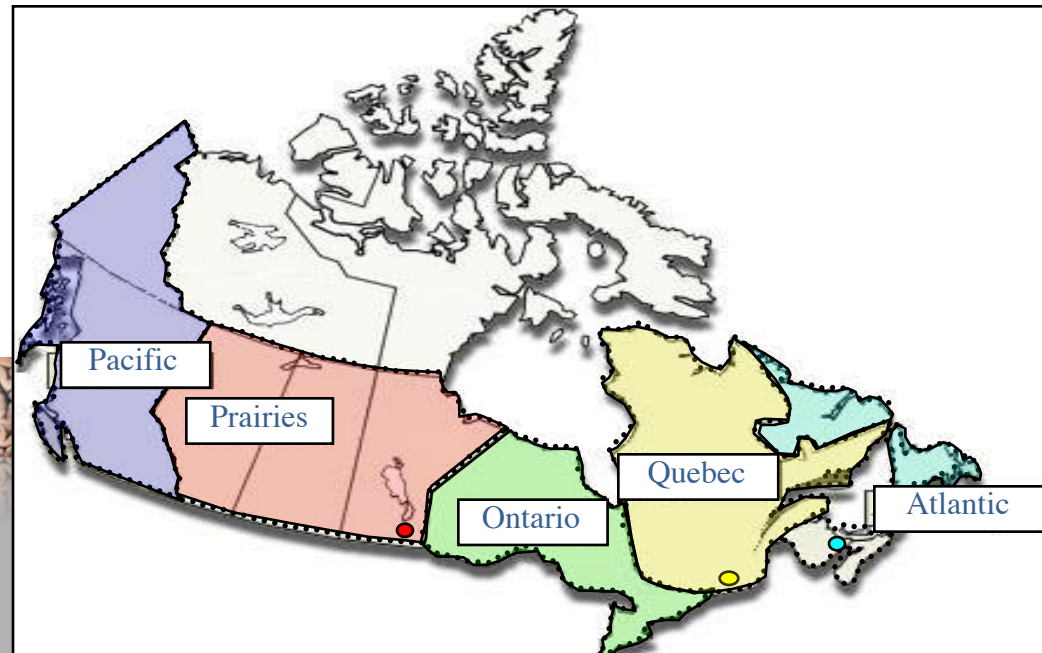
- \$63 M invested in Atlantic Canada
- 852 regional professors supported
- 484 awards students and fellows
- 77 NSERC sponsored research chairs



Role of NSERC – Regional Office

Regional offices:

- build private sector awareness of NSERC and academic capabilities/strengths within universities and colleges
- increase the number of academic-industry partnerships
- increase the participation in NSERC's research programs



NSERC Connect Level 1

Up to \$5,000 (Only 10 regional university/collage requests in 2014-15)

To connect academics with Canadian industry



N SERC Connect Grant

Level 1

- Up to \$5,000 for up to three months
- Travel, accommodation and meeting costs
- Allow researchers to meet with Canadian companies with the objective of forming new research partnerships
- No application deadline
- NSERC will reach a funding decision within 30 days of receipt of a complete application



N SERC Connect Grant

Level 2

- Up to \$10,000 (typically \$1,000-\$5,000) for one year
- Activities, events or promotional tools aimed at developing academic-industry partnerships or increasing student-industry training opportunities in NSE
- Applications from researchers or administrators as well as not-for-profit, non-government organization (including industry and producer associations)
- No application deadline
- NSERC will reach a funding decision within 30 days of receipt of a complete application



NSERC Connect Level 2

Up to \$10,000 (Only 10 regional university/college requests in 2014-15)

- Atlantic Wine Industry Partnering Forum
- Over 100 participants in Wolfville, Nova Scotia;
- Event generated 36 industry interactions for Acadia



NSERC Connect Grant

Level 3

- Up to \$25,000 for one year
- National-scope research planning workshops
- Goal is to build substantial new research collaborations between post-secondary researchers and industry, government and not-for-profit groups
- No application deadline
- NSERC will reach a funding decision within 30 days of receipt of a complete application



N SERC's Tools for Undergraduate Training with Private Sector



NSERC Experience Award

\$67,500



Student Training in Industry

Enrich theoretical knowledge with industry experience.



NSERC Experience Awards

- Offers financial assistance for industry to hire an undergraduate science or engineering student to do research for 12-16 weeks.



N SERC's Tools for Collaborative R&D between Industry and Academia



NSERC Engage Grant

Engage Grant



- New relationship
- Up to \$25k
- 6 months
- No company cash
- Company owns the IP
- No application deadline
- Fast 4-6 week turnaround



NSERC Engage Plus Grant

Engage Plus Grant



- Continue project and relationship with Engage
- \$12.5k company cash + \$12.5k award
- 6 months
- Company owns the IP
- No application deadline
- Fast 4-6 week turnaround



Strengthening and Maintaining a Longer Term Collaboration

Collaborative R&D Grant (CRD)



- Industry driven R&D project
- Shared costs: Each \$1 cash and \$1 in-kind from company levers up to \$2 from NSERC
- Flexible
 - * Entire R&D spectrum
 - * Duration 1-5 years
 - * Small to large projects
 - * Apply at any time
- Success rate: 85%

“We are definitely ahead of the curve today as a result of this collaborative R&D project... significantly reduced our material costs ...placed us in a much stronger position technologically“

John Persic, VP R&D, Microbonds



What are companies saying?

- NSERC project was a success 94%
- Problem was partially or completely solved 86%
- Intend to apply the results 76%
- New technology or knowledge gained 95%
- 15% of surveyed companies hired one of the students
- A majority of participating companies have experienced growth in revenue & number of employees



NSERC Engage Grant → NSERC CRD

Researcher: Margaret Walsh, Civil Engineer, Dalhousie University

Engage & CRD Partner: Moosehead Breweries, Saint John, NB

“Without this program, I am not sure that Moosehead would have been as interested in committing to partnership in a recently submitted CRD grant proposal.” Margaret Walsh



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