

*Inspiring innovation
Inspirer l'innovation*

A faint, light gray world map is centered in the background of the slide.

Connecting universities with industry and community partners

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What is Mitacs?

- ➔ Not-for-profit organization, founded in 1999
- ➔ Establishing durable relationships between industry and academia
- ➔ Partnering with governments (federal, provincial), universities, companies, NFPs, crown corps, research networks
- ➔ Open to all graduate studies disciplines

Developing the next generation of researchers and innovators for Canada's knowledge and innovation-based economy



Why Mitacs?

- ➔ National research network
- ➔ 17 years in operation
- ➔ 16,000+ research projects
- ➔ 65+ academic partners



Mitacs by the Numbers



\$113M
PRIVATE SECTOR INVESTMENT



16000+
INNOVATIVE RESEARCH PROJECTS



3100+
INDUSTRY PARTNERS



40+
RESEARCH ORGANIZATION PARTNERS



29000+
STUDENTS CAREER-READY



2900+
INTERNATIONAL STUDENT
RESEARCH INTERNSHIPS



65+
UNIVERSITY PARTNERS



1300+
PROFESSIONAL SKILLS WORKSHOPS

The Mitacs network



- ✓ Computer science
- ✓ Engineering
- ✓ Anthropology
- ✓ Economics
- ✓ Chemistry
- ✓ Geography
- ✓ Health sciences
- ✓ Genetics
- ✓ Social work
- ✓ Forestry
- ✓ History
- ✓ Languages & linguistics
- ✓ Mathematics
- ✓ Business
- ✓ Education
- ✓ Interactive arts
- ✓ Psychology
- ✓ And more...

- **Small & medium business**
- **Large business**
- **Not-for-profit organizations**

Mitacs program goals

- ➔ Support flexible, collaborative research projects
- ➔ Attract new funding
- ➔ Maintain high-quality research
- ➔ Support all disciplines
- ➔ Support international research collaborations in Canada and abroad
- ➔ Train graduates and postdocs for their careers



Building research collaborations



- ➔ Research collaboration between university researchers and a Canadian partner org.
- ➔ All Canadian universities are eligible
- ➔ All university disciplines are eligible
- ➔ Grad students or postdoc, in 4-6 months internship units
 - + Partner + \$
 - + Prof
 - + Grad student/ postdoc
 - + Innovative/R&D/Research project

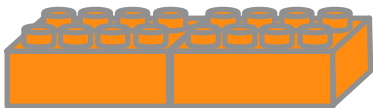


Accelerate: funding scheme

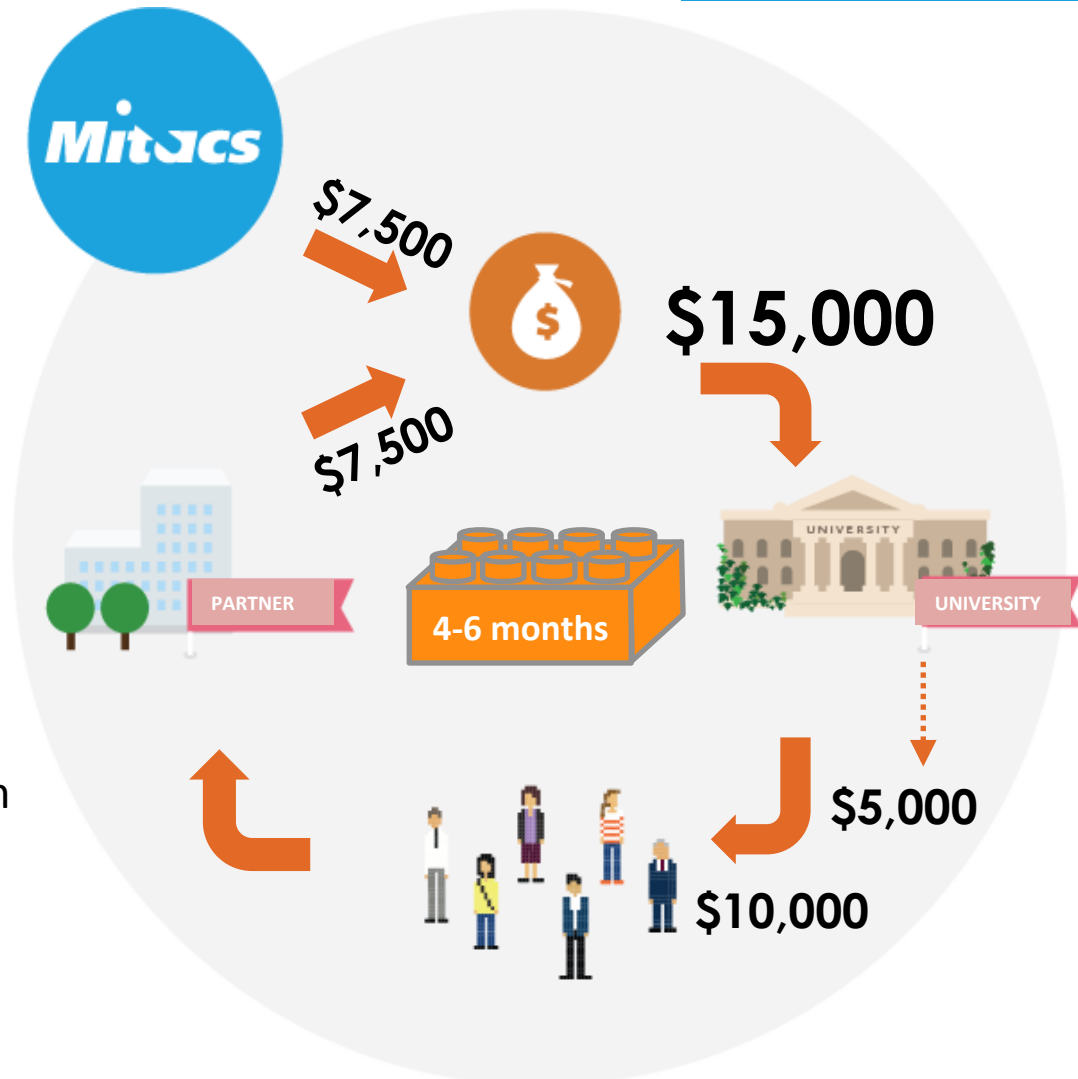
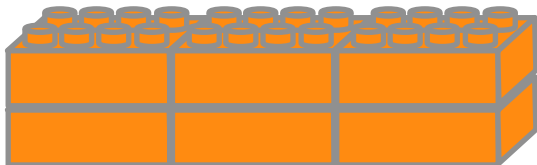


- ➔ The intern spends half the time with the partner organization (on-site or in the field)
- ➔ Grant to the university

Master, 2 units, \$30K

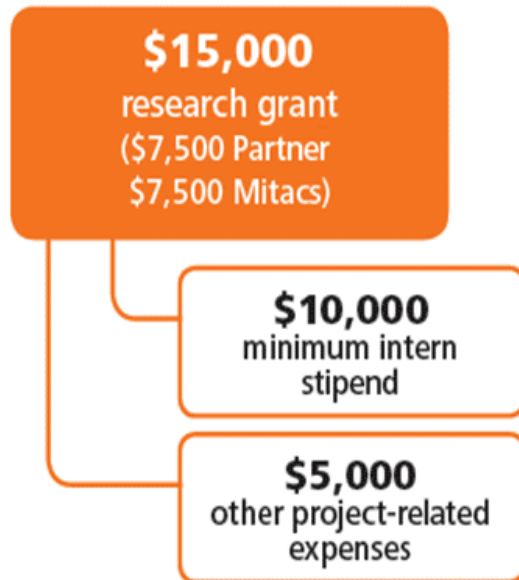


PhD and PDF, 6 units each, \$90K each

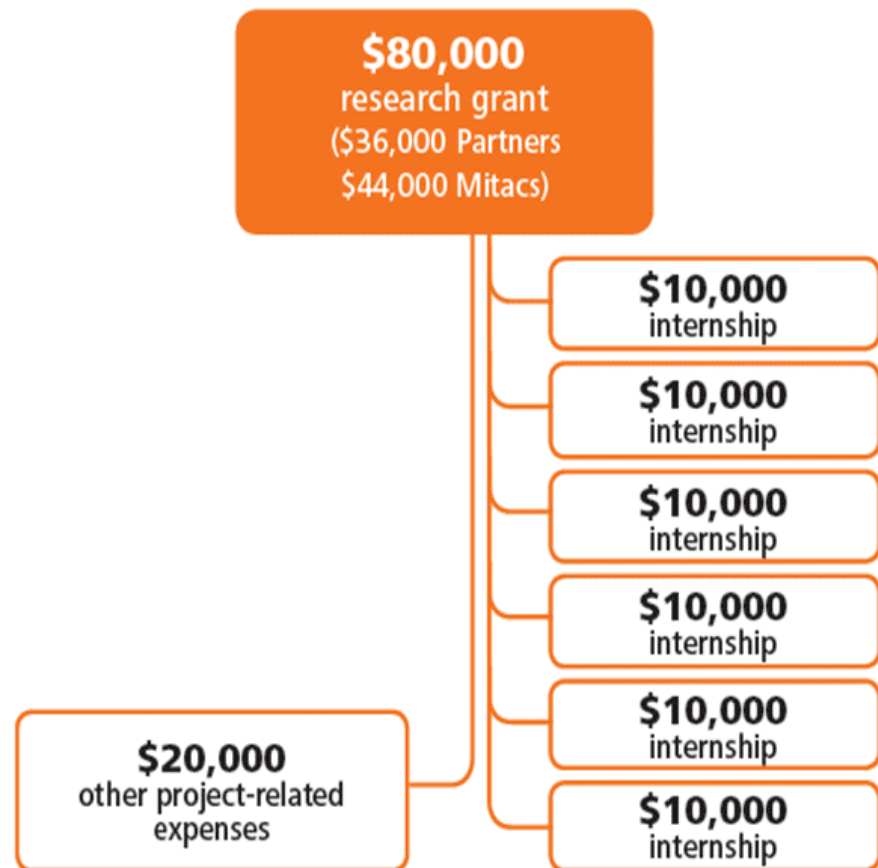


Funding Model

Standard



Cluster: 6 or > internships & 3 or > interns



Accelerate details

- ➔ Easy application
- ➔ Peer-reviewed
- ➔ Fast turnaround: 4-6 weeks
- ➔ High success rate
- ➔ Apply at any time!
- ➔ International students are eligible
- ➔ **Support from the business development team**



Accelerate details

Partner organizations:

- ➔ More competitive, recruitment opportunity
- ➔ Access expertise non available in-house
- ➔ Leverage R&D budgets
- ➔ Benefit from a national research network
- ➔ Interns are paid by the university, not on payroll

Profs:

- ➔ Easy grants = diversify your research funding sources
- ➔ Establish partnerships
- ➔ Get feedback from your partners

Students/interns:

- ➔ Award/fellowship = \$\$
- ➔ Real experience in your CV
- ➔ Experiential learning = soft skills



Accelerate in numbers

In year 2016-2017, Mitacs Accelerate received:

- ➔ Almost 1100 projects
- ➔ 57 different universities across Canada (all provinces)
- ➔ 1023 different professors
- ➔ 1400+ supported students (MSc, PhD, PDF) = \$52M stipend
- ➔ 908 partner organizations
- ➔ Investments of \$32,4M from the private sector
- ➔ Over \$63M in grants in our universities

Accelerate in business

In year 2016-2017, Mitacs Accelerate:

- ➔ HEC: 52 units under 24 projects, valued at \$736,000
- ➔ Usherbrooke: 39 units under 12 projects, valued at \$607,500
- ➔ 71 projects directly tagged « Business » valued at over \$2,5M

Discipline	Business	Computer Science	Earth Sciences	Engineering	Life Sciences	Mathematical Sciences	Physical Sciences	SSH
# app	71	94	79	413	224	28	37	129
%	7%	9%	7%	38%	21%	3%	3%	12%

Projects examples

Change management when deploying an ERP or other major technological solutions

- ➔ USherbrooke, management, Desjardins (DBA program)

Women entrepreneurship success

- ➔ UQTR, management, Femmessor

Risk rating enhancement for Vancity

- ➔ UBC, finance, Vancity Credit Union

Improving estimates of complex option-based employee compensation

- ➔ York University, chemistry, SyncBASE

Export marketing & needs analysis for SGII

- ➔ UNB, business, BioAtlantech

Benefits – longitudinal surveys

- ➔ 92% satisfaction rate amongst companies surveyed (2015)
 - 66% said projects results have been / will be commercialized
 - 36% had new or enhanced product development
 - 11% saw increased sales; 18% saw cost savings
 - 41% increased their R&D investments by \$10K-\$99K, 40% by over \$100K

- ➔ 96% satisfaction rate amongst former interns (2014)
 - 46% currently working in the private sector were hired by their partner
 - 19% of internships led to the creation of a new position at the company
 - Report suggests Accelerate creates 200 new R&D jobs annually

Other programs



Mitacs
Elevate

- ➔ Postdocs translate research into long-term business value for the partner
- ➔ Professional management training



Mitacs
Step

- ➔ Professional development workshops include leadership, management, communications, relationship building, entrepreneurialism
- ➔ Taught by industry professionals

Pilot: **Canadian Science Policy Fellowship**: Sending PhD holders work with government entities to help them develop Canada's next policies → Science-based policy making

Two-way research mobility

Research Internship,
Graduate Fellowship,
Research Award



Research Award,
Partnership Award



Our Funding Partners



Western Economic
Diversification Canada

Diversification de l'économie
de l'Ouest Canada

