CONNECTING YOU

TO PRIVATE & NOT-FOR-PROFIT SECTOR OPPORTUNITIES

Mitacs

SEPTEMBER 9TH, 2016

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FUND

COLLABORATIVE

RESEARCH PROJECTS

Mitacs

WHY MITACS?

MITACS BY NUMBERS

$90M
PRIVATE SECTOR INVESTMENT

12,000+
INNOVATIVE RESEARCH PROJECTS

3,000+
PARTNER ORGANIZATIONS

37+
RESEARCH ORGANIZATION PARTNERS

25,000+
STUDENTS CAREER-READY

2,200+
INTERNATIONAL STUDENT RESEARCH INTERNSHIPS

60+
UNIVERSITY PARTNERS

1,100+
PROFESSIONAL SKILLS WORKSHOPS

Mitacs

UNIVERSITY

THE MITACS NETWORK

PARTNERS

ALL DISCIPLINES

ALL SECTORS

NOT-FOR-PROFIT ORGANIZATIONS

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MITACS PROGRAM GOALS

MITACS PROGRAM GOALS

SUPPORT FLEXIBILITY

ATTRACT FUNDING

QUALITY RESEARCH

INTERNATIONAL OPPORTUNITIES

TRAIN GRADUATES

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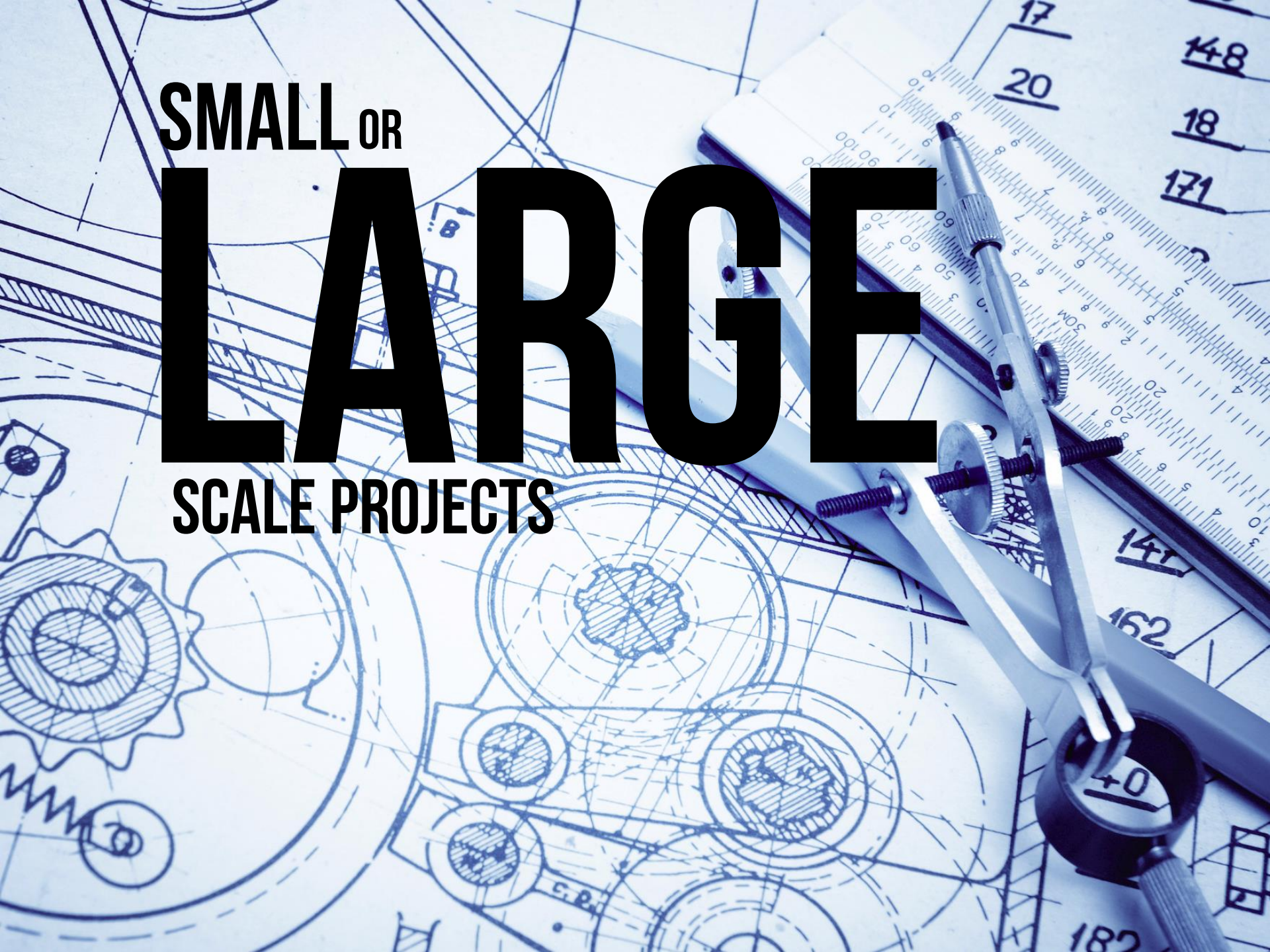
MITACS PROGRAMS


Mitacs
Accelerate

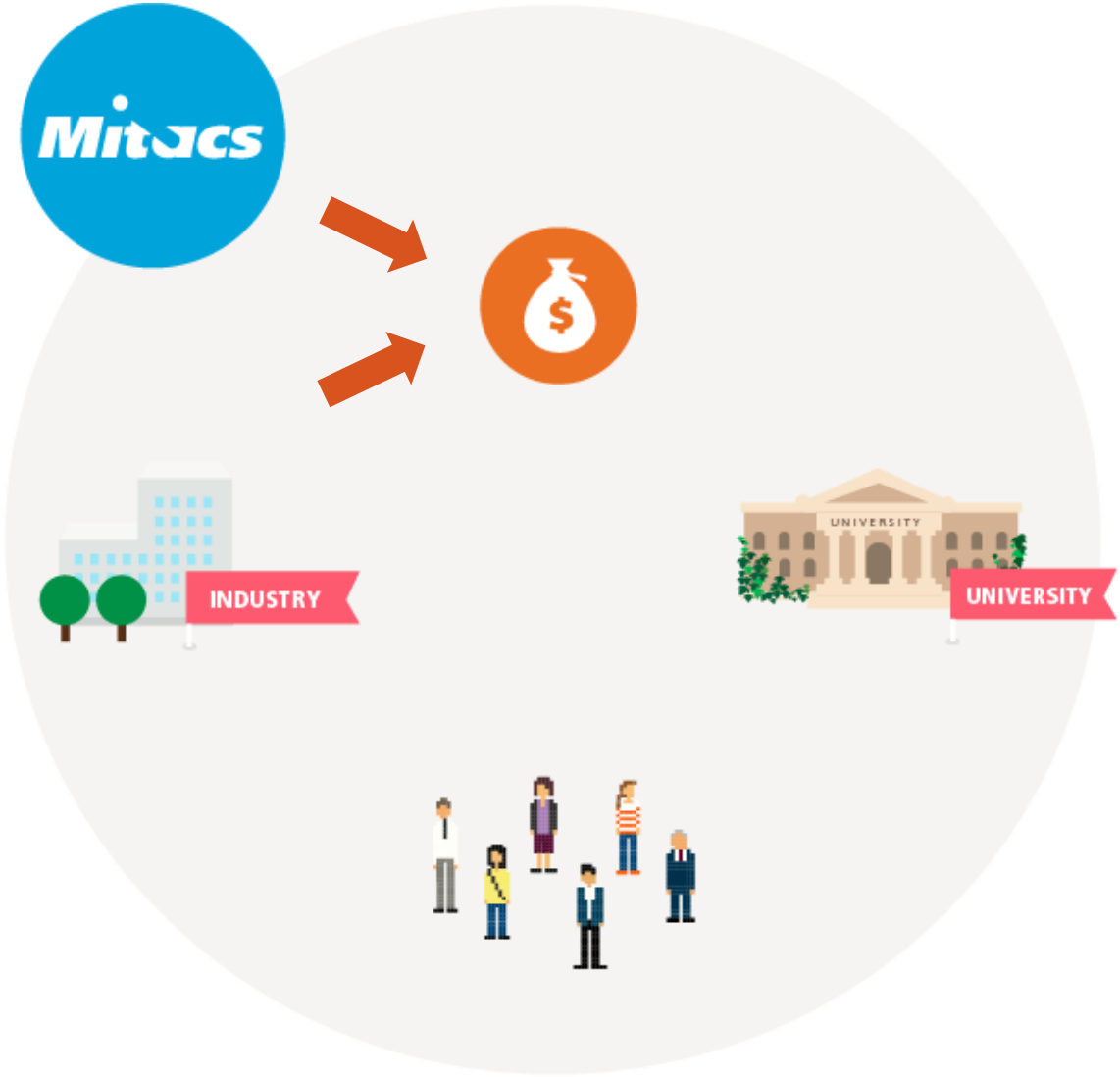

SMALL OR
LARGE
SCALE PROJECTS


GRADUATE STUDENTS
POSTDOCTORAL FELLOWS
INTERNATIONAL STUDENTS
ALL
DISCIPLINES


PEER REVIEWED
APPLICATION


NON-COMPETITIVE
QUICK

FUNDING CYCLE



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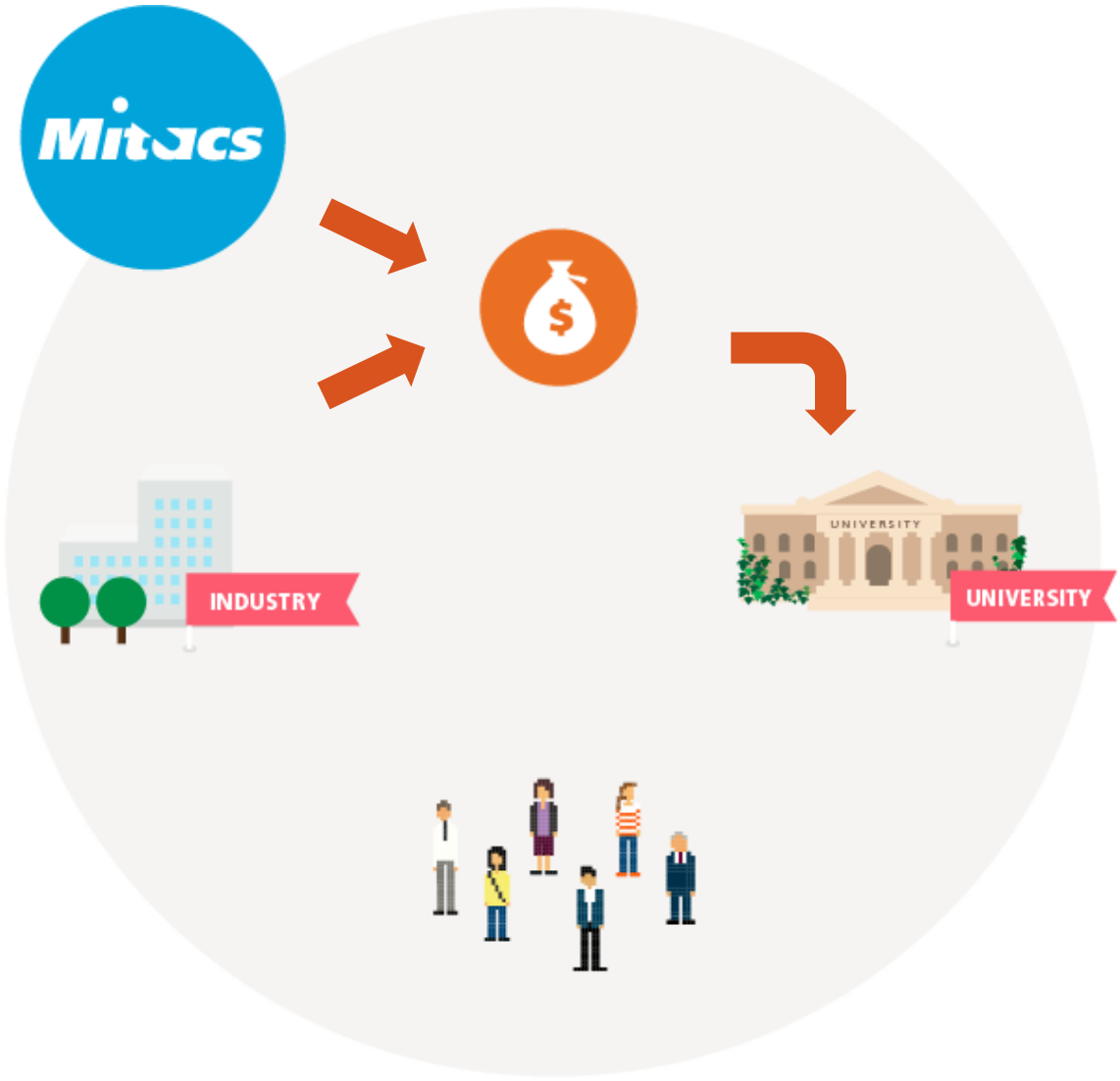
FUNDING CYCLE



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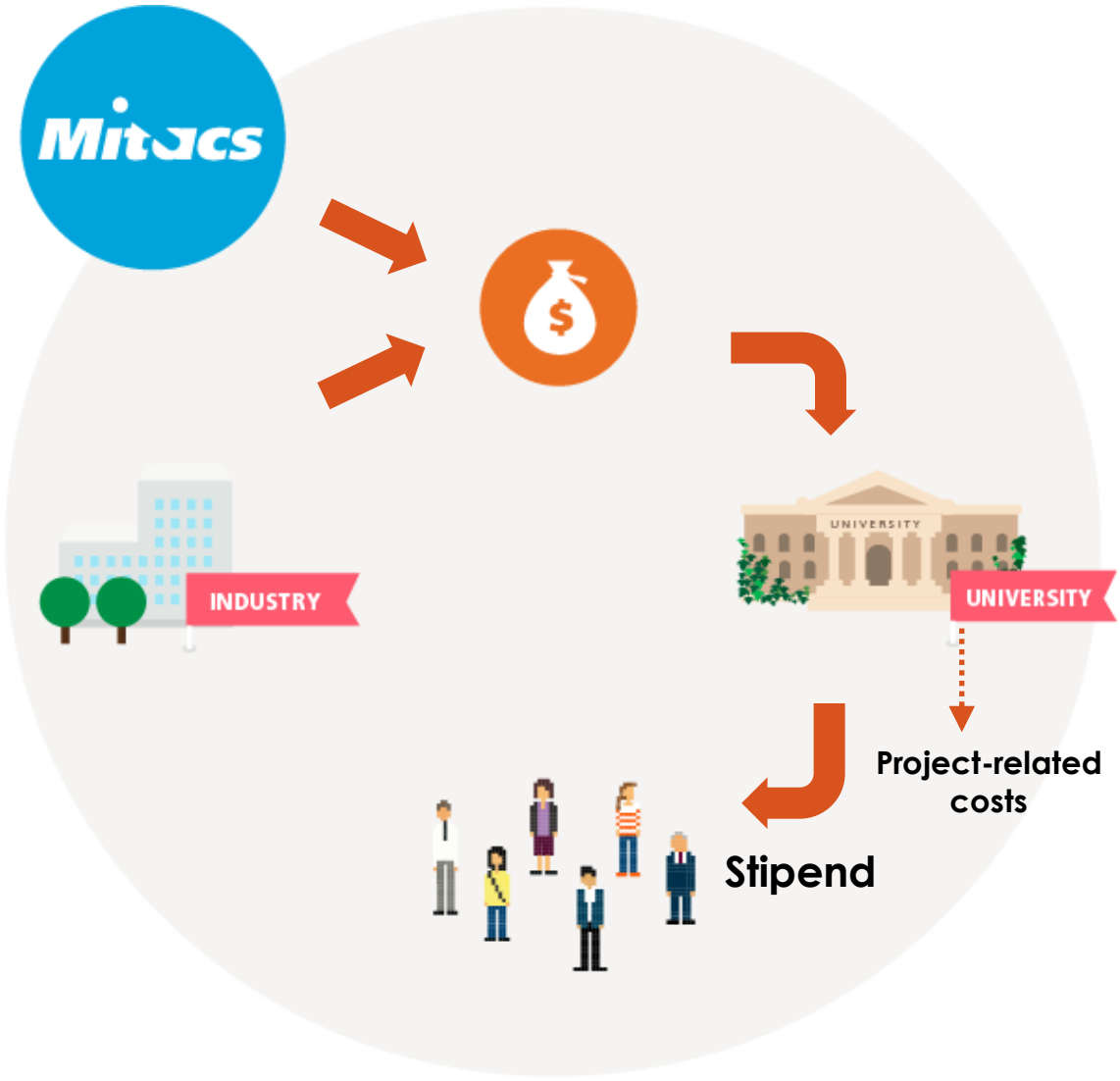
FUNDING CYCLE



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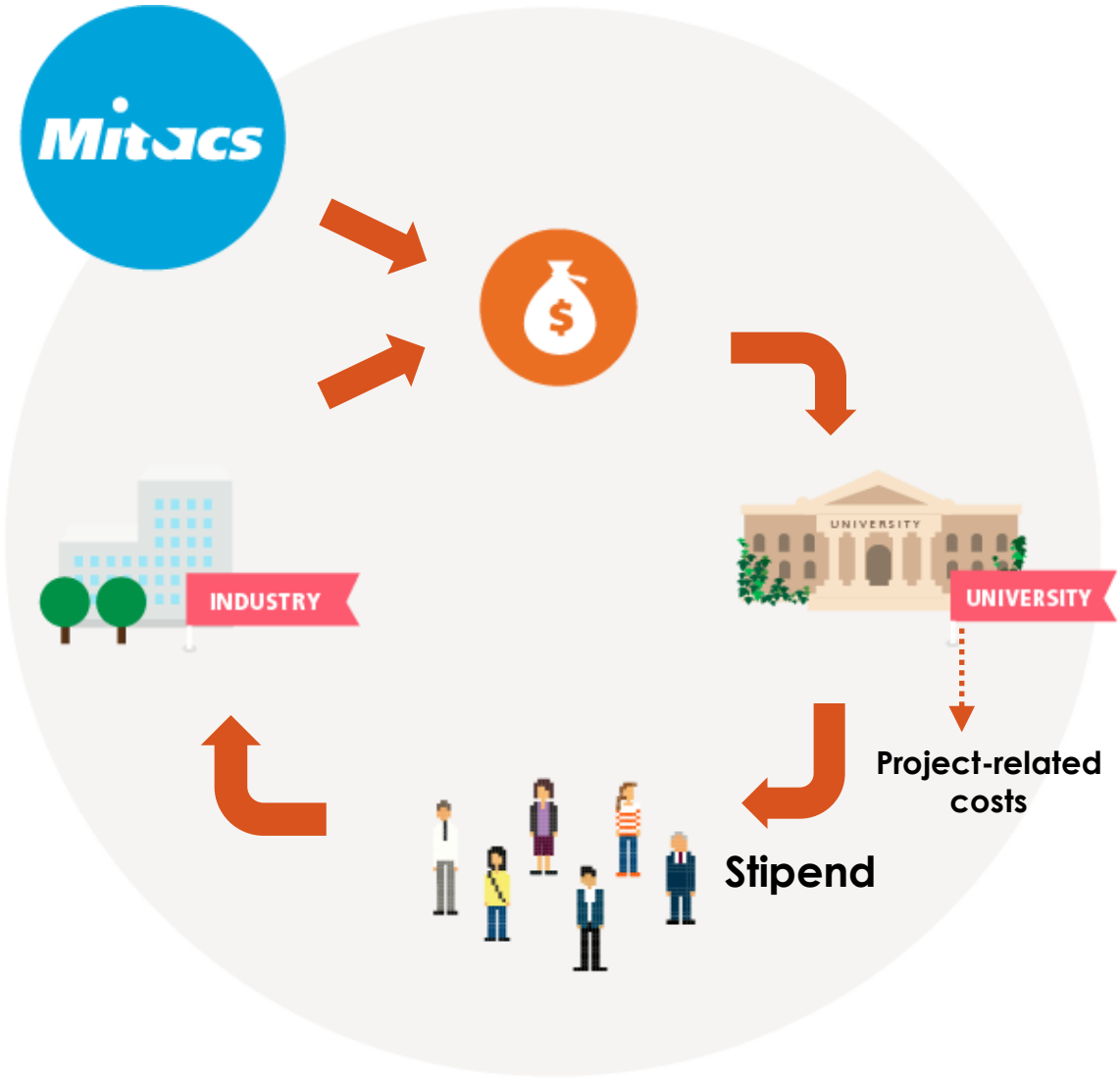
FUNDING CYCLE



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SSCIP

SMART COMPUTING FOR INNOVATION

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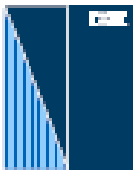
ADVANCED COMPUTING PLATFORMS



IBM BLUE GENE/Q

Canada's fastest supercomputer is suited for large-scale, distributed applications that require massively parallel processing power, such as molecular modelling, drug discovery, climate change forecasting, and computational fluid dynamics.

CLOUD ANALYTICS

Canada's first research-dedicated cloud environment hosts a broad array of IBM software tools for application development and data analytics. The Cloud Analytics platform is ideal for complex data analysis, streaming and managing large data volumes, and data mining applications.

AGILE COMPUTING

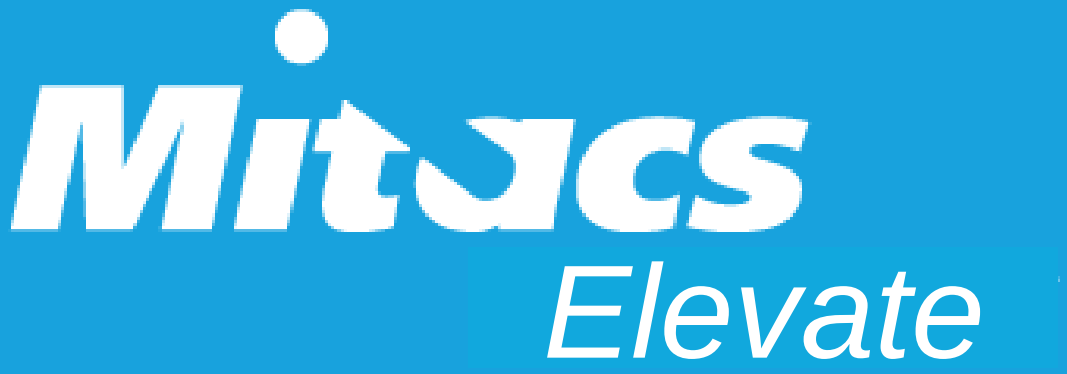
Canada's first multi-platform agile research environment uses Field-Programmable Gate Array (FPGA) technology to accelerate hardware performance. FPGA cards can accomplish numerically complex tasks more efficiently and at lower cost than a traditional CPU could do alone.

LARGE MEMORY SYSTEM

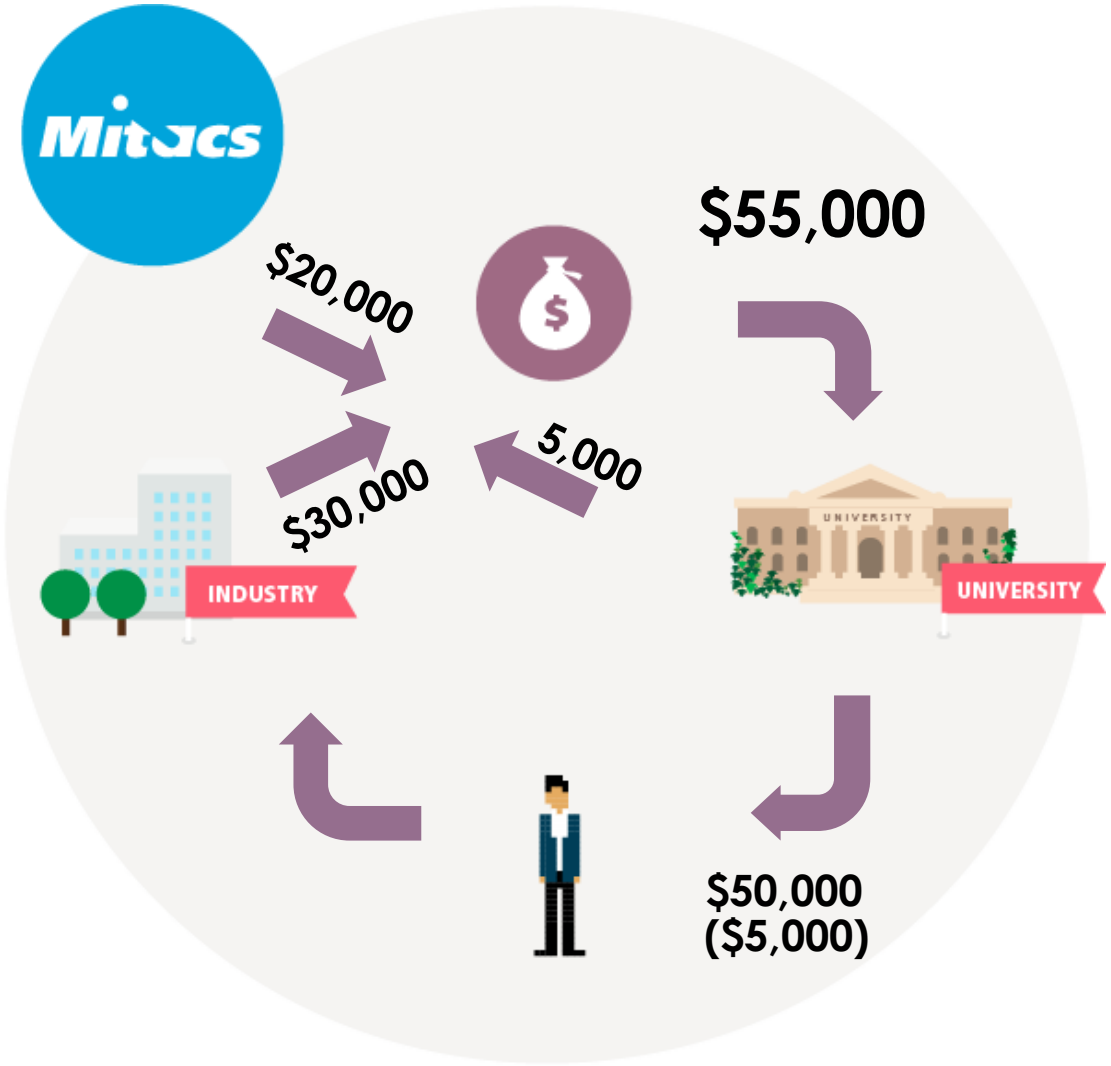
The LMS platform is **a single 64-core virtual system with 4.5 TB of RAM**. Outfitted with the latest IBM analytics software, the LMS is ideal for data-intensive projects with huge active memory requirements.

Mitacs
Step


PROFESSIONAL DEVELOPMENT
LEADERSHIP
MANAGEMENT
COMMUNICATION
ENTREPRENEURIALISM
RELATIONSHIP BUILDING


Mitacs
Elevate

ANNUAL FUNDING CYCLE



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RESEARCH INTERNSHIP

FELLOWSHIP AWARD

RESEARCH AWARD

PARTNERSHIP AWARD

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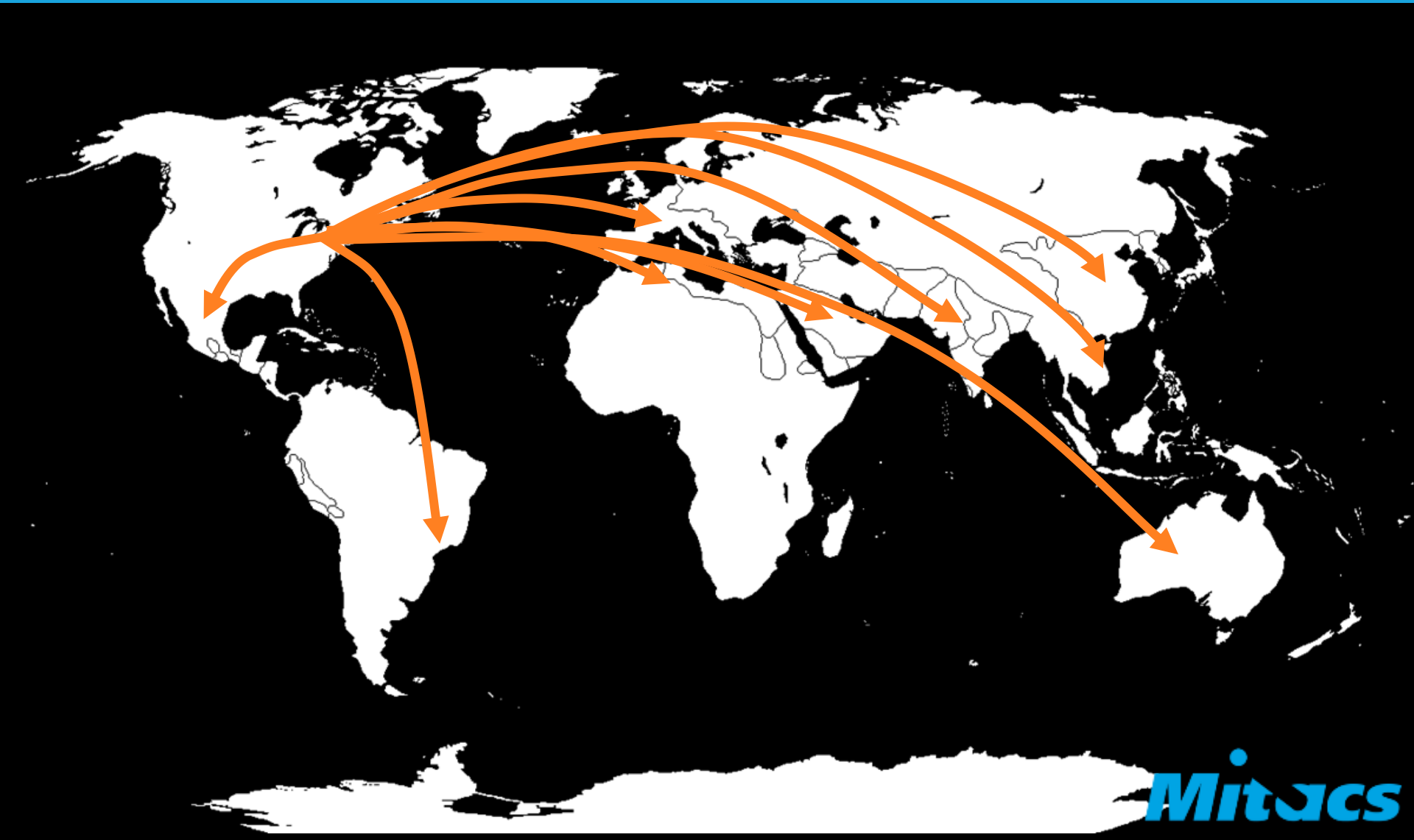
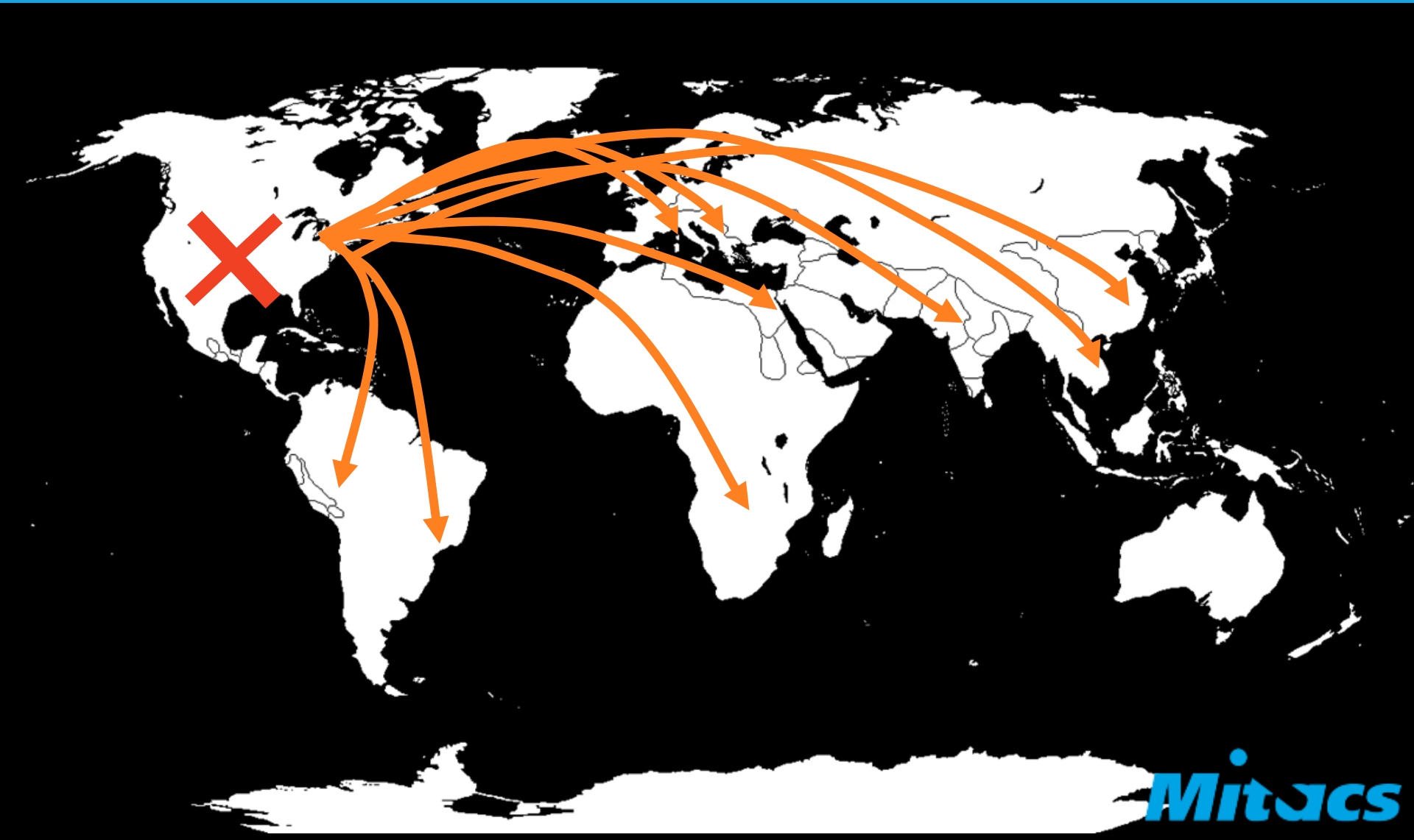
GLOBALINK RESEARCH AWARD (GRA)



GLOBALINK PARTNERSHIP AWARD (GPA)



GLOBALINK PARTNERSHIP AWARD (GPA)

HOW Mitacs CAN HELP WITH YOUR RESEARCH GOALS

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FUND MULTI-INSTITUTIONAL MULTI-DISCIPLINARY SMALL OR LARGE SCALE COLLABORATIVE RESEARCH PROJECTS

SUPPORT YOUR GRAD STUDENTS

CONNECT YOU WITH INDUSTRY

STRENGTHEN INTERNATIONAL COLLABORATION

MitAcs

MITACS FUNDING PARTNERS

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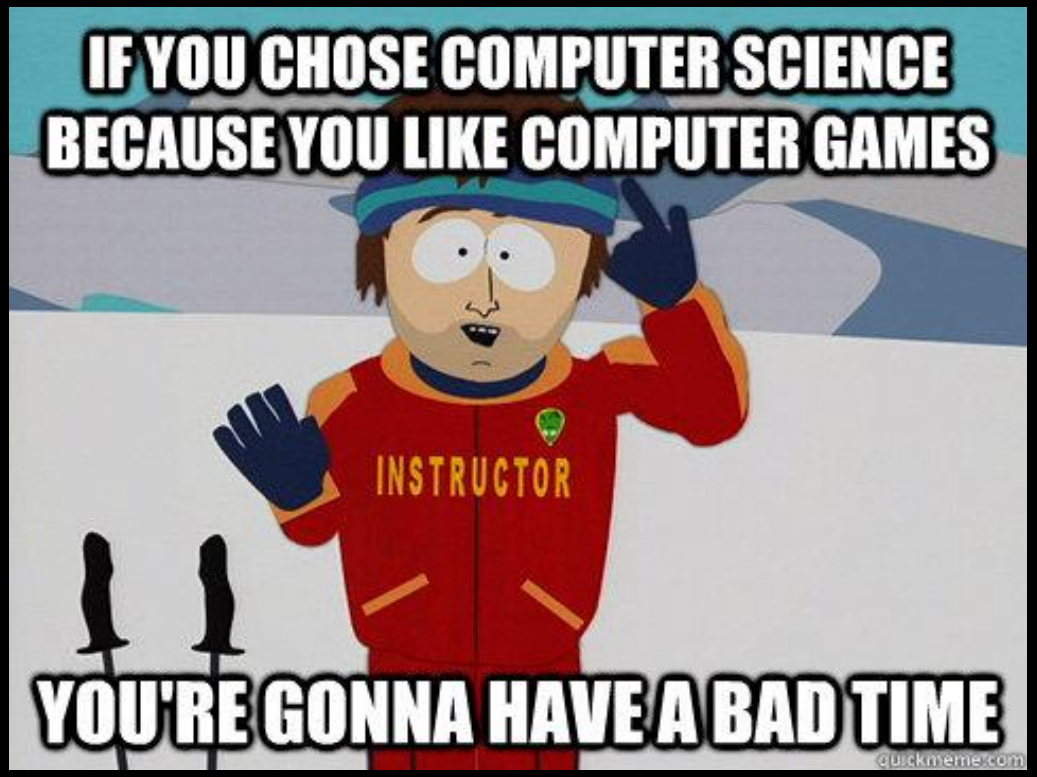
THANK YOU

QUESTIONS?



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EXAMPLES

Ontology-based Middleware Services Facilitating Access to Data Sources

Social Privacy

Computer Algebra and High-Performance Computing Support for Model Predictive ControlComputer Algebra and High-Performance Computing Support for Model Predictive Control

Scalability of an autonomous trading platform

Web tools for intelligent real-time data analysis

Development of ultrasonic based oil-water interface level monitoring device

Optimization of Long Term Quantitative Market Predictions

Development of an information theory-based mutation detector for a commercial bioinformatics genome server

Development of an Agent-Based Market Simulator

Search Projects

Province | Discipline | Sector | University

+ MORE FILTERS

SUBMIT RESET FILTERS

- Testing the response of sand samples to cyclic loading under different boundary conditions
- Thomas Hobbes et le scepticisme
- Characterization of chemosensory proteins in exosomes
- Brain Decoding Models for neurodegenerative disease aided diagnosis and classification
- Comparative analysis of merger control mechanisms in Canadian and Mexican competition law
- A Generalized Model Predictive Path Planning System for Autonomous Vehicles on Structured Roads
- Chemical Analysis of Complex Samples with High Resolution Capillary Electrophoresis Mass Spectrometry
- Robust statistical damage assessment of infrastructures

FRANÇAIS

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PROGRAMS ▾ IMPACT PROJECTS NEWSROOM ABOUT

ACCELERATE | Proposal | Project responsibilities | Resources | FAQ | Interns wanted

Accelerate

where

I am a... STUDENT | POSTDOC | PROFESSOR | BUSINESS

Put your talent to work with an organization that needs it. Funding starts at $15,000.

HOW IT WORKS

1. The match

A grad student, a supervising professor, and a partner organization develop a research project

2. The proposal

Applicants submit a proposal via a Mitacs representative

3. The project

Projects receive $15,000 in funding for each four-month internship

Accelerate Internship Opportunities

Enhanced and Conformation Specific G protein-coupled receptors (GPCRs) Expression for Autoimmune Diagnostics - MB-001

Posted on: 09/01/2016
Preferred Disciplines: Biomedical sciences, Post-Doc
Project length: 2 years
Approx. start date: As soon as possible
Location: Winnipeg, Manitoba
No. of Positions: 1 intern
Preferences: Prior expertise in membrane protein and/or G protein-coupled receptor (GPCR) research is an asset
Company: N/A

Creation of a retail algorithm - QC-085

Posted on: 08/17/2016
Preferred Disciplines: PhD Computer Science
Company: N/A
Project Length: 4 months
Desired start date: ASAP
Location: Montreal, QC
No. of Positions: 1
Preferences: Bilingual candidate preferrably from ETS, McGill or Polytechnique

Province

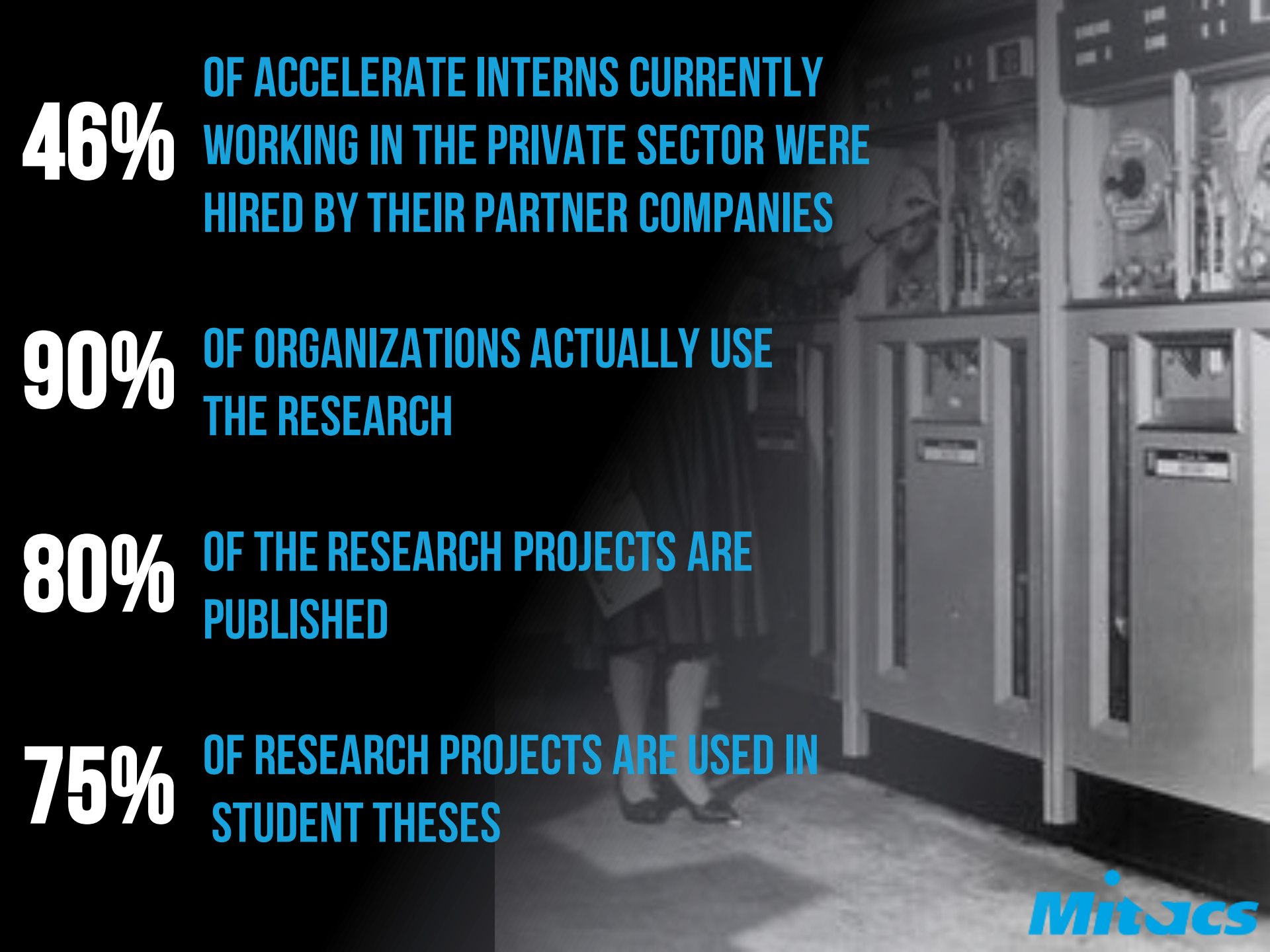
- ☐ Alberta
- ☐ British Columbia
- ☐ Manitoba
- ☐ New Brunswick
- ☐ Newfoundland and Labrador
- ☐ Nova Scotia
- ☐ Ontario
- ☐ Prince Edward Island
- ☐ Quebec
- ☐ Saskatchewan

Language

- Any -

RESET

THE STATS



46% OF ACCELERATE INTERNS CURRENTLY WORKING IN THE PRIVATE SECTOR WERE HIRED BY THEIR PARTNER COMPANIES

90% OF ORGANIZATIONS ACTUALLY USE THE RESEARCH

80% OF THE RESEARCH PROJECTS ARE PUBLISHED

75% OF RESEARCH PROJECTS ARE USED IN STUDENT THESES

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Mitacs Accelerate: Impact on Former Interns

Longitudinal study results, April 2014

Mitacs Accelerate is a research internship program delivering results for over 10 years.

1 Impact on academic experience and skill development

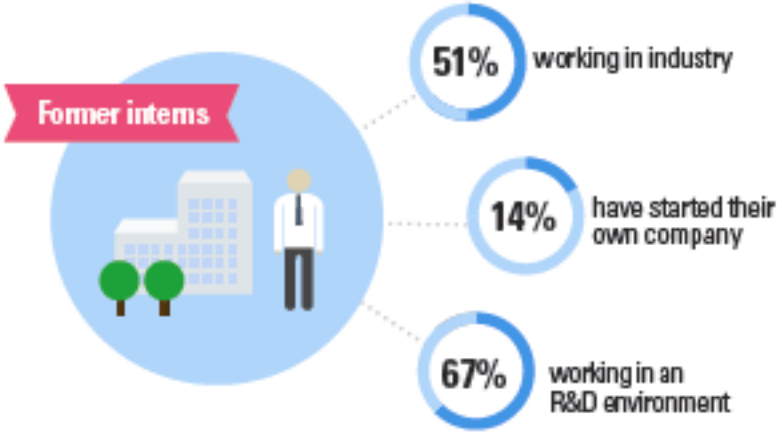
would recommend Mitacs Accelerate to fellow graduate students and postdocs

Most interns feel more employable and attribute a better starting position to the program through...

2 Impact on employment

46% of Accelerate interns currently working in the private sector were hired by their partner companies

19% of internships led to the creation of a new position at the company



3 Impact on retention

Did you know?

Results suggest that Mitacs Accelerate is responsible for the creation of **200** new R&D jobs annually.

91% currently live in Canada

87% believe their participation in Mitacs Accelerate has increased their satisfaction with their stay in Canada

93% would recommend to students from their home country that they participate in a Canadian industrial research internship program

ABOUT THE SURVEY

The survey was available online from October 31st to November 29th, 2013. 686 former interns from 9 provinces and 44 Canadian universities responded to the survey, an overall response rate of 27%.

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Mitacs 15 YEARS Inspiring innovation