**Canada – Your Partner in Innovation**

CANADA HAS A LONG HISTORY OF INVESTING IN R&D, FUNDING INDUSTRY AND ACADEMIC PARTNERSHIP PROGRAMS, IMPLEMENTING INNOVATIONFRIENDLY POLICIES AND REGULATIONS AND ENCOURAGING PRIVATE-SECTOR ADVANCEMENT OF SCIENCE AND TECHNOLOGY. ALL OF THAT IS PROOF OF CANADA’S COMMITMENT TO COMMERCIALIZATION, INDUSTRY-DRIVEN RESEARCH AND BECOMING AN INNOVATION PARTNER TO THE WORLD.

WHY CANADA…

Canadian companies of all sizes work with international partners to develop, adapt and validate technologies. Under this shared commitment to STI, innovators in Canada and the countries of the European Union can work together to advance R&D. Innovation is a priority for industry, academic institutions and all levels of government in Canada — with science, technology and innovation (STI) accounting for more than $30 billion of R&D

spending every year. Canada’s R&D investment sectors enjoy the lowest costs and some of the best tax incentives among those of all the G-7 countries.

#1 in the G-7 FOR HIGHER-EDUCATION SECTOR R&D PERFORMANCE

$15.4 billion OF STI-RELATED R&D SPENDING IS BY CANADIAN BUSINESSES

500,000 STUDENTS GRADUATE FROM CANADA’S COLLEGES AND UNIVERSITIES EACH YEAR

More availability of qualifed engineers THAN ANY OTHER G-7 COUNTRY

55.2% OF WORKERS HAVE COMPLETED POST-SECONDARY EDUCATION — THE HIGHEST PROPORTION OF ALL OECD MEMBER COUNTRIES

#2 in the G-7 FOR ATTRACTING VENTURE CAPITAL FINANCING

INNOVATING TOGETHER

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TOP 20 CORPORATE R&D SPENDERS (2015):

1. Bombardier Inc. (Aerospace)

2. Magna International Inc. (Automotive)

3. BlackBerry Limited (Telecommunications equipment)

4. BCE Inc. (Telecommunications services)

5. Canadian Natural Resources Limited (Energy, oil and gas)

6. Pratt & Whitney Canada Corp. (Aerospace)

7. IBM Canada Ltd. (Software and computer services)

8. Valeant Pharmaceuticals International, Inc. (Pharmaceuticals and biotechnology)

9. Rogers Communications Inc. (Telecommunications services)

10. Constellation Software Inc. (Software and computer services)

11. Ericsson Canada Inc. (Telecommunications services)

12. Apotex Inc. (Pharmaceuticals and biotechnology)

13. CGI Group Inc. (Software and computer services)

14. Open Text Corporation (Software and computer services)

15. TELUS Corporation (Telecommunications services)

16. Suncor Energy Inc. (Energy, oil and gas)

17. Imperial Oil Limited (Energy, oil and gas)

18. General Motors of Canada Limited

19. AMD Canada (Electronic systems and parts)

20. Mitel Networks Corporation (Telecommunications services)

TOP 20 RESEARCH UNIVERSITIES:

1. University of Toronto

2. University of British Columbia

3. Université de Montréal

4. McGill University

5. University of Alberta

6. University of Calgary

7. Université Laval

8. McMaster University

9. University of Ottawa

10. Western University

11. Queen’s University

12. University of Waterloo

13. University of Saskatchewan

14. University of Manitoba

15. University of Guelph

16. Dalhousie University

17. Université de Sherbrooke

18. Simon Fraser University

19. Memorial University of Newfoundland

20. University of Victoria

SIX SECTORS WHERE CANADA WILL LEAD:

● Digital technology,

● Clean technology,

● Agri-food,

● Advanced manufacturing,

● Bio-sciences, and

● Clean resources.

CANADA AND EUROPE: WORKING TOGETHER

**EUREKA and EUROSTARS**

The EUREKA and EUROSTARS programs allow companies to access co-funding for international collaborative industrial R&D projects. Canada is an associate member of EUREKA and EUROSTARS through the National Research Council of Canada’s

Industrial Research Assistance Program (NRC-IRAP).

**HORIZON 2020**

This EU research and innovation program allows Canadian companies and researchers to participate in European collaborative research projects, in some cases funded by the European Commission.

**ENTERPRISE CANADA NETWORK**

Affiliated with the Enterprise Europe Network and hosted in Canada by the Canadian Manufacturers and Exporters industry association, the Enterprise Canada Network provides a platform for Canadians and Europeans to find partners for business,

investment and innovation opportunities.

**UNIVERSITIES CANADA**

Along with leading the development of a Canadian research funding guide for Europeans, Universities Canada helps innovators in Europe find Canadian university research partners.

INNOVATION EXPERTISE IN CANADA

Canada’s diverse areas of expertise offer a wealth of unique opportunities for partnership with innovators in the European Union.

SECTOR AREAS OF EXPERTISE

**Environment and Agriculture**

● Aquaculture

● Biotechnology

● Climate change research and technology

● Disaster mitigation

● Food and food systems

● Ocean technologies

● Sustainable methods of accessing energy and mineral resources from unconventional sources

● Water/wastewater — health, energy, security, treatment

**Information and communications technologies (ICT)**

● Advanced data management and analysis

● Communications networks and services

● Cybersecurity

● Machine learning and artificial intelligence

● Machine-to-machine systems

● New media, animation and games

● Quantum computing

**Health and life sciences**

● Biomedical engineering and medical technologies

● Health in an aging population

● Neuroscience and mental health

● Regenerative medicine

**Advanced manufacturing**

● Additive manufacturing

● Aerospace

● Automation (including robotics)

● Automotive

● Lightweight materials and technologies

● Nanotechnology

● Quantum materials

**Natural resources and energy**

● Renewable energy, bioenergy, fuel cells and nuclear energy

● Bio-products

● Pipeline safety

● Responsible development and monitoring in the Arctic

CONNECT WITH

CANADA FOR STI

**The Canadian Trade Commissioner Service (TCS) helps Canadian companies and innovators:**

● Assess market potential

● Commercialize innovation abroad

● Find and connect with R&D and business contacts

● Locate sources of support

● Prepare for international markets

● Resolve business issues

To learn more about how we can help you, visit [www.tradecommissioner.gc.ca](http://www.tradecommissioner.gc.ca).

FEDERAL SUPPORT FOR RESEARCH IN CANADA

INDUSTRY

Research and commercialization funding

● Canadian Revenue Agency– Scientific Research & Experimental Development (SR&ED) tax credits

● National Research Council - Industrial Research Assistance Program (NRC-IRAP)

● Networks of Centres of Excellence of Canada (NCE)

¢ Business-led Networks of Centres of Excellence (BL-NCE)

¢ Centres of Excellence for Commercialization and Research (CECR)

● Sustainable Development Technology Canada (SDTC)

GOVERNMENT

Research and research training funding

● Communications Research Centre Canada (CRC)

● National Research Council (NRC)

● Science-based federal departments and agencies:

¢ Agriculture and Agri-Food Canada

¢ Canadian Space Agency

¢ Environment Canada

¢ Fisheries and Oceans Canada

¢ Health Canada

¢ Natural Resources Canada

UNIVERSITIES, COLLEGES AND TEACHING HOSPITALS

Research and research training funding

GRANTING AGENCIES:

● Canadian Institute for Health Research (CIHR)

● Natural Science & Engineering Research Council of Canada (NSERC)

● Social Sciences & Humanities Research Council of Canada (SSHRC)

FOUNDATIONS:

● Canada Foundation for Innovation

● Genome Canada

● Mitacs