

Si vous préférez ce questionnaire en français, veuillez cocher ici et retourner le questionnaire

Survey on Small Research and Development Performers, 2008

Correct as required

Company name	00001		
Establishment name	00002		
C/O	00003		
Address	00004		
City	00005		
Province/Territory	00006	Postal code	00007

Information for the Respondent

Survey Purpose

Statistics Canada is undertaking this survey to establish statistical indicators on small research and development (R&D) performers. The objective of this survey is to have a better understanding of the issues and difficulties confronting the enterprises that have low levels of research and development expenditures.

The compiled data obtained from this survey will be used by enterprises to analyse markets and by trade associations to study industries' performance. They will also be used by academics for research purposes and by government departments and agencies to support and develop strategies for economic development.

Note of Appreciation

Canada owes the success of its statistical system to a long-standing co-operation involving Statistics Canada, the citizens of Canada, its businesses, governments and other institutions. Accurate and timely statistical information could not be produced without their continued co-operation and goodwill.

Confidentiality

Statistics Canada is prohibited by law from publishing any statistics which would divulge information obtained from this survey that relates to any identifiable organization without the previous consent of that organization. The data provided by this questionnaire will be treated in strict confidence. The confidentiality provisions of the Statistics Act are not affected by either the Access to Information Act or any other legislation.

Federal-Provincial Agreement

In order to avoid duplication of enquiry, to reduce the cost of data collection and to provide consistent statistics, Statistics Canada has

entered into an agreement with the Institut de la statistique du Québec, under Section 11 of the Statistics Act, to share data from organizations having R&D activities in Québec. The Act respecting the Institut de la statistique du Québec authorizes the ISQ to collect this information on its own or jointly with Statistics Canada. It also includes the same provisions for confidentiality and penalties for disclosure of information as the federal Statistics Act.

Authority

This survey is conducted under the authority of the *Statistics Act*, Revised Statutes of Canada 1985, Chapter S-19. Completion of this questionnaire is a legal requirement under the *Statistics Act*.

Planned Record Linkage

To increase the analytical possibilities of this survey, Statistics Canada plans to combine the data obtained from this survey with data from other Statistics Canada surveys.

Reporting

Please report amounts in Canadian currency.

Instructions

The questionnaire should be completed and returned within 30 days of receipt in the provided envelope, thank you.

Assistance

If you have any questions concerning this survey, or if you need assistance completing this questionnaire, please contact Statistics Canada.

Telephone : 1-866 919-0997
Fax : 1 888 869-0972
Courriel : sieidinfo@statcan.gc.ca

Please complete the following information

Name of person completing this questionnaire 00008

Telephone number 00010

() -

E-mail address 00012

Title 00009

Fax number 00011

() -

Web address 00013

Research and development (R&D) is the systematic investigation carried out in the area of natural sciences and engineering, by means of experiment or analysis to achieve a scientific or technological advance for your products (goods or services).

Research is original investigation undertaken on a systematic basis to gain new knowledge.

Development is the application of research findings or other scientific knowledge for the creation of new or significantly improved products (goods or services). If successful, development will usually result in products that represent an improvement in the "state of the art" and are likely to be patented.

General Information

1. Please indicate the year your enterprise was established:

01001

2. Please indicate the TOTAL number of employees in your enterprise in Canada in 2007 (if your personnel vary by season, please estimate the average employment level for 2007, according to your fiscal year):

02001

employees

3. In the long term, would the principal entrepreneur of your enterprise prefer it to remain the same size, as measured by the current number of employees?

03001

1

Yes



Please go to question 5.

3

No



Please estimate the optimal number of employees in the long term:

03002

employees

4. Please, indicate the reason why this number of employees is optimal?

Please check (✓) all that apply.

04001

Allows increased return on investment

04004

Other: please specify:

04002

Allows improved job satisfaction

04004txt

04003

Allows higher individual salaries

5. From the following options, please indicate below the years in which your enterprise conducted R&D:

05001

2003

05002

2004

05003

2005

05004

2006

05005

2007

05006

If you did not ask any SR&ED tax credits with the Canadian Revenue Agency during the 2003 to 2007 period, please return the questionnaire in the accompanied envelope, thank you.

6. If you did not conduct R&D every year in the 2003 to 2007 period, please indicate the reasons.

Please check (✓) all that apply.

- | | |
|--|--|
| 06001 <input type="radio"/> We do not feel the need | 06009 <input type="radio"/> Required development time too long |
| 06002 <input type="radio"/> No demand by our clients or partners | 06010 <input type="radio"/> It is difficult to find funding |
| 06003 <input type="radio"/> Purchase of licensing rights is a less complex and costly option | 06011 <input type="radio"/> R&D was conducted for us by another organization or entity |
| 06004 <input type="radio"/> Lack of internal qualified staff | 06012 <input type="radio"/> Difficulty protecting intellectual property arising from R&D |
| 06005 <input type="radio"/> It is difficult to find external experts | 06013 <input type="radio"/> Lack of recognized industry standards |
| 06006 <input type="radio"/> Risk is too high | 06014 <input type="radio"/> Other, please specify: |
| 06007 <input type="radio"/> It is difficult to commercialize the research findings | 06014txt <input type="text"/> |
| 06008 <input type="radio"/> The anticipated rate of recovery of R&D costs to investment is too low | |

R&D Activities

7. For the most recent year in which your enterprise conducted R&D, please indicate the number of persons allocated to R&D (Full-time equivalent FTE*) in your enterprise in Canada by professional category.

R&D may be carried out by persons who work solely on R&D projects or by persons who devote only part of their time to R&D and the balance to other activities such as testing, quality control and production engineering.

* Example calculation: If out of five scientists engaged in R&D work, one works solely on R&D projects and the remaining four devote only one quarter of their working time to R&D, then FTE= 1+1/4+1/4+1/4 +1/4=2

	Bachelors		Masters		Doctorates		TOTAL
07101	<input type="text"/>	+	07102 <input type="text"/>	+	07103 <input type="text"/>	=	07104 <input type="text"/>
Scientists and engineers							
07201	<input type="text"/>	+	07202 <input type="text"/>	+	07203 <input type="text"/>	=	07204 <input type="text"/>
Senior R&D administrators							
Technicians and technologists							07304 <input type="text"/>
Others							07404 <input type="text"/>
TOTAL R&D PERSONNEL							07504 <input type="text"/>

8. Did your enterprise receive support from the National Research Council Canada Industrial Research Assistance Program of the (NRC-IRAP) for R&D work in the 2003 to 2007 period?

1 Yes → **Please indicate the type of assistance received:**
Please check (✓) all that apply.

- | | |
|---|--|
| 08101 <input type="radio"/> Technological expertise and advice | 08106 <input type="radio"/> Assistance in entering the market |
| 08102 <input type="radio"/> Financial assistance for R&D activities | 08107 <input type="radio"/> Delivery of competitive technical intelligence (CTI) |
| 08103 <input type="radio"/> Support and business management advice | 08108 <input type="radio"/> Other, please specify: |
| 08104 <input type="radio"/> Support for industry networking | 08108txt <input type="text"/> |
| 08105 <input type="radio"/> Assistance in building partnerships | |

3 No → **Please indicate the reasons:**
Please check (✓) all that apply.

- | | |
|--|--|
| 08301 <input type="radio"/> Not familiar with the program | 08305 <input type="radio"/> Other, please specify: |
| 08302 <input type="radio"/> No resources to apply to the program (NRC-IRAP) | 08305txt <input type="text"/> |
| 08303 <input type="radio"/> The application process is too long and/or too complex | |
| 08304 <input type="radio"/> Our R&D activities do not meet the program criteria (NRC-IRAP) | |

9. Did your enterprise participate in R&D work funded by the Natural Sciences and Engineering Research Council of Canada (NSERC) in the 2003 to 2007 period?

1 Yes → **Please indicate the program you participated in:**
Please check (✓) all that apply.

- | | |
|---|--|
| 09101 <input type="radio"/> Industrial Postgraduate Scholarships (IPS) | 09105 <input type="radio"/> Idea to Innovation Program (I2I) |
| 09102 <input type="radio"/> Industrial R&D Fellowships (IRDF) | 09106 <input type="radio"/> Other, please specify: |
| 09103 <input type="radio"/> Strategic Projects / Network Grants (SPG, SNG) | 09106txt <input type="text"/> |
| 09104 <input type="radio"/> Collaborative Research and Development Grants (CRD) | |

3 No → **Please indicate the reasons:**
Please check (✓) all that apply.

- | | |
|--|---|
| 09301 <input type="radio"/> Not familiar with these programs | 09305 <input type="radio"/> Do not undertake R&D in partnership with university researchers |
| 09302 <input type="radio"/> No resources to apply to these programs | 09306 <input type="radio"/> Other, please specify: |
| 09303 <input type="radio"/> The application process is too long and/or too complex | 09306txt <input type="text"/> |
| 09304 <input type="radio"/> Our R&D activities do not meet the programs criteria | |

10. For whom did your enterprise conduct R&D in the 2003 to 2007 period?

Please check (✓) all that apply.

- 10001 On our own behalf
- 10002 For another subsidiary or the parent company to which we belong
(Applies only if your business is a subsidiary)
- 10003 For an external client (as part of a contract)

11. What is your enterprise motivation for conducting R&D?

Please check (✓) all that apply.

- 11001 To meet the needs of one or more clients
- 11002 To better position ourselves against our competitors
- 11003 To solve technical problems
- 11004 To diversify existing products (goods or services)
- 11005 To enhance the quality of products (goods or services)
- 11006 To make products (goods or services) safer or more environmentally friendly
- 11007 To increase production capacity
- 11008 To lower manufacturing costs
- 11009 Other, please specify:

11009txt

For information

12. Please indicate the originator, key person or the position of the person who had the ideas for R&D projects that your enterprise carried out during the 2003 to 2007 period? Please check (✓) one option only.

- 12001 The president of the enterprise
- 12002 A member of the scientific personnel
- 12003 A member of the technical personnel
- 12004 A member of the sales and marketing personnel
- 12005 A client
- 12006 A supplier
- 12007 Other, please specify:

12007txt

13. Who was involved in your enterprise's R&D projects during the 2003 to 2007 period?

Please check (✓) all that apply.

- 13001 Dedicated R&D personnel
- 13002 Management
- 13003 Production personnel – Engineering
- 13004 Production personnel – Technician
- 13005 Production personnel – Other
- 13006 The principal entrepreneur or the CEO
- 13007 Sales and marketing personnel
- 13008 Other personnel, please specify:

13008txt

14. Please estimate the number of R&D projects

- a. Completed projects during the 2003 to 2007 period 14001 project(s)
- b. Ongoing projects in the development stage 14002 project(s)

15. Was the principal entrepreneur of your enterprise involved with the creation of one or more other enterprises that performed R&D before joining or founding your enterprise?

15001 1 Yes 3 No

Claiming the R&D Tax Credit

16. Please indicate all years in which your enterprise claimed an R&D tax credit under the Scientific Research and Experimental Development (SR&ED) tax credit program from the federal government and/or a provincial government.

16001 2003 16002 2004 16003 2005 16004 2006 16005 2007 16006 None

If you have claimed tax credits for all years, → please go to question 18.

17. Please indicate why your enterprise decided not to claim an R&D tax credit in one of the years in which you carried out R&D during the 2003 to 2007 period?

Please check (✓) all that apply.

	Federal	Provincial
a. The administrative claim process was too complex	17101 <input type="radio"/>	17102 <input type="radio"/>
b. Our R&D activities were not covered by the definition	17111 <input type="radio"/>	17112 <input type="radio"/>
c. We did not know about R&D tax credits	17121 <input type="radio"/>	17122 <input type="radio"/>
d. The claim costs were too high in relation to the amounts in question	17131 <input type="radio"/>	17132 <input type="radio"/>
e. Our R&D was funded by the government (not eligible for the tax credit)	17141 <input type="radio"/>	17142 <input type="radio"/>
f. Other, please specify:	17151 <input type="radio"/>	17152 <input type="radio"/>

17151txt

18. For each of the following sources, please indicate from whom your enterprise obtained funding for their R&D activities during the 2003 to 2007 period. Please check (✓) all that apply.

- 18001 Internal sources
- 18002 Venture capital
- 18003 Federal or provincial aid programs (excluding R&D tax credit)
- 18004 Other, please specify:

18004txt

19. Did your enterprise use external assistance, other than from the Canadian Revenue Agency, when preparing its most recent claim for R&D tax credits?

19001 1 Yes 3 No

Benefits of R&D work

20. Did your enterprise complete at least one R&D project during the 2003 to 2007 period?

- 20001 1 Yes → Please go to question 22.
 3 No → Please go to question 21.

21. Please indicate why your enterprise did not complete the R&D projects undertaken during the 2003 to 2007 period? Please check(✓) all that apply.

- | | |
|---|--|
| 21001 <input type="radio"/> Work still ongoing | 21006 <input type="radio"/> Inconclusive findings – not worth continuing |
| 21002 <input type="radio"/> Lack of funding | 21007 <input type="radio"/> Lack of planning |
| 21003 <input type="radio"/> Lack of time for personnel assigned to the work | 21008 <input type="radio"/> Other, please specify: |
| 21004 <input type="radio"/> Lack of qualified workers | 21008txt <input type="text"/> |
| 21005 <input type="radio"/> Technical solution appeared on the market | |

**Please return the questionnaire in the accompanying pre-paid envelope.
Thank you for your participation.**

22. Please indicate the objective of the most significant and recent completed R&D project?

Please check (✓) one option only.

- 22001 Improve a product (good or service) → Please go to question 23.
 22002 Develop a new product (good or service)
 22003 Improve a process → Please go to question 24.
 22004 Develop a new process

23. Did your enterprise introduce to the market the product (good or service) that was the subject of your most significant and recent completed R&D project ?

- 1 Yes → **Were the commercialization objectives of the product (good or service) achieved?**
- | | | Objective not achieved | Objective achieved | Objective exceeded | Too early to tell | Does not apply |
|---|-------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| a. Satisfaction of the client who required the developments in question | 23101 | 5 <input type="radio"/> | 3 <input type="radio"/> | 2 <input type="radio"/> | 1 <input type="radio"/> | 0 <input type="radio"/> |
| b. Consolidation of the position of the enterprise in relation to competitors | 23102 | 5 <input type="radio"/> | 3 <input type="radio"/> | 2 <input type="radio"/> | 1 <input type="radio"/> | 0 <input type="radio"/> |
| c. Increase exports | 23103 | 5 <input type="radio"/> | 3 <input type="radio"/> | 2 <input type="radio"/> | 1 <input type="radio"/> | 0 <input type="radio"/> |
| d. Diversification of the range of products (goods or services) | 23104 | 5 <input type="radio"/> | 3 <input type="radio"/> | 2 <input type="radio"/> | 1 <input type="radio"/> | 0 <input type="radio"/> |
| e. Increase revenue for the enterprise | 23105 | 5 <input type="radio"/> | 3 <input type="radio"/> | 2 <input type="radio"/> | 1 <input type="radio"/> | 0 <input type="radio"/> |
| f. Other, please specify: | 23106 | 5 <input type="radio"/> | 3 <input type="radio"/> | 2 <input type="radio"/> | 1 <input type="radio"/> | 0 <input type="radio"/> |

23106txt

Question 23 continued.

3 No → **Why was the product (good or service) not commercialized?**

Please check (✓) all that apply.

- | | |
|--|---|
| 23301 <input type="radio"/> Inconclusive R&D work | 23305 <input type="radio"/> Commercialization completed by an enterprise that purchased the product (good or service) |
| 23302 <input type="radio"/> Inconclusive pre commercialization stages (prototype, manufacturing, etc.) | 23306 <input type="radio"/> Anticipated profitability of product (good or service) too low |
| 23303 <input type="radio"/> Pre commercialization stages not yet completed | 23307 <input type="radio"/> Other, please specify: |
| 23304 <input type="radio"/> Difficulty in finding funding for pre-commercialization stages | 23307txt <input type="text"/> |

**Please return the questionnaire in the accompanying pre-paid envelope.
Thank you for your participation.**

24. Did your enterprise implement the process resulting from your most significant and recent completed R&D project ?

1 Yes → **Were the objectives of the process achieved?**

		Objective not achieved	Objective achieved	Objective exceeded	Too early to tell	Does not apply
a. Reduced costs	24101	5 <input type="radio"/>	3 <input type="radio"/>	2 <input type="radio"/>	1 <input type="radio"/>	0 <input type="radio"/>
b. Enhanced quality	24102	5 <input type="radio"/>	3 <input type="radio"/>	2 <input type="radio"/>	1 <input type="radio"/>	0 <input type="radio"/>
c. Increased production flexibility (for small specialized batch or made to measure)	24103	5 <input type="radio"/>	3 <input type="radio"/>	2 <input type="radio"/>	1 <input type="radio"/>	0 <input type="radio"/>
d. Increased production capacity	24104	5 <input type="radio"/>	3 <input type="radio"/>	2 <input type="radio"/>	1 <input type="radio"/>	0 <input type="radio"/>
e. Other, please specify :	24105	5 <input type="radio"/>	3 <input type="radio"/>	2 <input type="radio"/>	1 <input type="radio"/>	0 <input type="radio"/>

24105txt

3 No → **Why was the process not implemented?**

Please check (✓) all that apply.

- | | |
|--|---|
| 24301 <input type="radio"/> Inconclusive R&D findings | 24305 <input type="radio"/> Lack of time |
| 24302 <input type="radio"/> Inconclusive pre implementation stages | 24306 <input type="radio"/> Other, please specify |
| 24303 <input type="radio"/> Implementation too costly | 24306txt <input type="text"/> |
| 24304 <input type="radio"/> Inadequate internal expertise | |

**Please return the questionnaire in the accompanying pre-paid envelope.
Thank you for your participation.**

Comments
