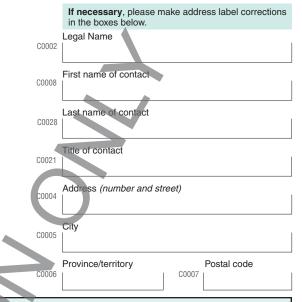
### Research and Development of Canadian Private Non-profit Organizations, 2011

#### This document is confidential when completed

Si vous préférez ce questionnaire en français, veuillez appeler au 1-877-604-7828.



#### This information is collected under the authority of the Statistics Act, Revised Statutes of Canada, 1985, Chapter S-19. COMPLETION OF THIS QUESTIONNAIRE IS A LEGAL REQUIREMENT UNDER THIS ACT.

#### Survey purpose

This survey collects the financial and operating data which are essential to assure the availability of pertinent statistical information to monitor science and technology related activities in Canada and to support the development of science and technology policy. Your data will be used, for instance, to provide indicators on the state of research and development (R&D) performed by private non-profit organizations and to complete national totals for scientific R&D expenditures and personnel. Your information may also be used by Statistics Canada for other statistical and research purposes.

#### Confidentiality

The *Statistics Act* protects the confidentiality of information collected by Statistics Canada.

#### Fax or other electronic transmission disclosure

Statistics Canada advises you that there could be a risk of disclosure during facsimile or other electronic transmission. However, upon receipt, Statistics Canada will provide the guaranteed level of protection afforded all information collected under the authority of the *Statistics Act*.

#### **Data-sharing agreements**

To reduce respondent burden, Statistics Canada has entered into data sharing agreements with provincial and territorial statistical agencies and other government organizations, which have agreed to keep the data confidential and use them only for statistical purposes.

Information on confidentiality, data-sharing agreements and record linkages can be found on the page 11 of this questionnaire.

This questionnaire should be completed for the fiscal year ending in 2011. Please return the questionnaire within 30 days.

Please mail the completed questionnaire in the enclosed envelope or fax it to Statistics Canada at **1-888-883-7999**. Lost the return envelope or need help? See instruction guide on page 9, call us at **1-877-604-7828** or mail to: Statistics Canada, 150 Tunney's Pasture Driveway, Distribution Center SC-0702, Ottawa, Ontario K1A 0T6

	GEI		DATA					
	Final and a state of the	C1000	уууу мм		C1001 V V V	( Y M	MDD	
1. a)	Fiscal year ending in 2011 Fro	n	C0185		То	I I IVI		
b)	Total revenues for the fiscal year ending in 2011 (CAN	\$ thousan		\$	0	0 0 .00	)	
c)	Total employees for the fiscal year ending in 2011		C0133				employees	
d)	For the fiscal year ending in 2011, did your organizati perform any R&D? (as defined on page 9)	on	C0170 1	Yes, <b>g</b>	o to question 2		<sup>3</sup> No	
e)	If 'NO', did your organization fund any R&D for the fis ending in 2011?	cal year	C0172 1	Yes, <b>g</b>	o to question 7		<sup>3</sup> No	
5-5300-408	.1: 2012-04-30					0	11	*



\*

#### DATA ON R&D PERFORMED (questions 2 to 6)

2. Expenditures for R&D performed within this organization in Canada								
	Expenditures for fiscal year ending in 2011							
Major fields	Current	Capital	Total					
of R&D		CAN\$ thousands						
Natural sciences	C2030	C2035	62040					
and engineering sub-total:	\$ 000.00	\$ 000.00	\$ 000.00					
	C2031	C2036	C2041					
Medical	\$ 000.00	\$ 000.00	\$ 000.00					
	C2032	C2037	62042					
Other	\$ 000.00	\$ 000.00	\$ 000.00					
Social sciences	C2033	C2038	C2043					
and humanities sub-total	\$ 000.00	\$ 000.00	\$ 000.00					
	C2034	C2039	C2044					
Total	\$ 000.00	\$ 000.00	\$ 000.00					
Dianned expenditures for fiscal year ending in 2012								

Majar fielde	<b>•</b> •			Planned expenditures for fiscal year ending in 2012						
Major fields	Current		Capital		Total					
of R&D			CAN\$ thousa	nds						
Nuturui Solonooo	C2045		C2050		C2055					
and engineering sub-total:	\$	00.000	\$	000.00	\$	00.00				
	C2046		C2051		C2056					
Medical	\$	00.00	\$	000.00	\$	00.00				
C	C2047		C2052		C2057					
Other	\$	00.000	\$	000.00	\$	00.00				
000101 001011000	C2048		C2053		C2058					
and humanities sub-total	\$	00.00	\$	000.00	\$	00.00				
C	C2049		C2054		C2059					
Total	\$	00.000	\$	000.00	\$	00.00				

Forecast expenditures for fiscal year ending in 2013						
Major fields	Current	Capital	Total			
of R&D		CAN\$ thousands				
Natural sciences	C2060	C2065	C2070			
and engineering sub-total:	\$ 000.00	\$ 000.00	\$ 000.00			
	C2061	C2066	C2071			
Medical	\$ 000.00	\$ 000.00	\$ 000.00			
	C2062	C2067	C2072			
Other	\$ 000.00	\$ 000.00	\$ 000.00			
Social sciences	C2063	C2068	C2073			
and humanities sub-total	\$ 000.00	\$ 000.00	\$ 000.00			
	C2064	C2069	C2074			
Total	\$ 000.00	\$ 000.00	\$ 000.00			

3.	Sources of funds for R&D performed within this organization for the fiscal year ending in 2011	CAN\$ thousa	nds
	a) Reporting organization (e.g. interest on own funds,		
	investments income, membership dues, trust funds)	\$	0 0 0 .00
	b) Federal government	\$	00.00
	c) Provincial governments <i>(sub-total)</i>	\$	0 0 0 .00
	1. Newfoundland and Labrador	\$	0 0 0 .00
	2. Prince Edward Island	\$	0 0 0 .00
	3. Nova Scotia	\$	0 0 0 .00
	4. New Brunswick	\$	00.00
	5. Quebec	\$	0 0 0 .00
	6. Ontario	\$	0 0 0 .00
	<b>7.</b> Manitoba	\$	0 0 0 .00
	8. Saskatchewan	\$	0 0 0 .00
	9. Alberta	\$	0 0 0 .00
	10. British Columbia	\$	0 0 0 .00
	11. Yukon	\$	00.00
	12. Northwest Territories.	\$	0 0 0 .00
	13. Nunavut	\$	00.00
	d) Canadian business enterprises	\$	0 0 0 .00
	e) Other Canadian private non-profit organizations	\$	0 0 0 .00
	f) Other Canadian sources (e.g. universities)		
	(Please print full name) C3578 C3178	\$	000.00
	1. C3579 C3179	Ф	000.00
	2. <sup>C3580</sup> C3180	\$	
	3.	\$	000.00
	g) Foreign sources		000.00
	Total (equal to the 2011 grand total expenditures of question 2 (cell C2044))	\$	000.00
4.	Personnel of this reporting unit engaged in R&D for		
	<b>the fiscal year ending in 2011</b> (full time equivalent – FTE) (use rounded numbers only)	C4112	equivalent
	Scientists and engineers	04112	
	<b>Technicians and technologists</b> : technically trained personnel who assist scientists and engineers in R&D ( <i>e.g. chemical technicians, draftspersons</i> ). They may be certified by either provincial educational authorities or by provincial or national scientific or engineering associations.	C4113	
	<b>Other</b> : personnel directly engaged in the R&D program ( <i>e.g. machinists and electricians engaged in construction of prototypes or staff engaged in the administration or clerical support of R&amp;D units</i> )	C4114	
	Total R&D personnel	C4115	

Please indicate the medical field in which R&D is performed within this organization.	
Yes No	Yes No
Cellular biology	1 3
Genetics C5068 1 3 Visual sciences (e.g. ophthalmology, optometry	
Immunology C5069 1 3 C5075	1 3
Endocrinology C5070 1 3 Other medical fields (please specify)	
Nutrition and metabolism <sup>C5071 1</sup> <sup>3</sup> a) <sup>C5176</sup>	1 3
Cancer C5072 1 3 b) C5177 C5077	1 3
Haematology C5073 1 3 C) C5178 C5078	1 3
6. R&D expenditures by socio-economic objectives within this organization for the fiscal year CANS th	ending in 2011
1. Exploration and exploitation of the Earth	000.00
	000.00
2. Infrastructure and general planning of land use	0000.00
3. Control and care of the environment	000.00
4. Protection and improvement of human health \$	00.00
5. Production, distribution and rational utilization of energy	000.00
6. Agricultural production and technology (e.g. agriculture, fishing, forestry)	000.00
06122	000.00
7. Industrial production and technology $\Phi$	
8. Social structures and relationships \$	000.00
9. Exploration and exploitation of space	00.00
10. Non-oriented research	000.00
11. Other civil research \$	000.00
	00.00
12. Defence <sup>C6128</sup> \$	

		DATA ON PA	AYMENTS FOR R&D				
7. Paymen	ts for R&D performed	by other organization	ns for the fiscal year e	nding in 2011			
	Major fields of R&D         Social sciences and humanities       Natural sciences and engineering         Sub-total       Sub-total		Subcomponente e				
Sector of performance			and engineering:		Iotai		
			Medical CAN\$ thousands	Other			
	C7200	C7207	CANŞ LIIOUSAIIUS	C7221	C7228		
Federal Government	000	000	000	000	000		
Provincial Government	C7201	C7208	000	000	C7229		
	C7202	C7209	C7216	C7223	C7230		
Canadian business enterprises	000	000	000	000	000		
Other Canadian private	C7203	C7210	C7217	C7224	C7231		
non-profit organizations	000 C7204	000 07211	000	000 07225	000 C7232		
Other Canadian sources (e.g. universities)	000	000	000	000	000		
Foreign	C7205	G7212	000	C7226	000		
	C7206	C7213	C7220	C7227	C7234		
Total	000	000	000	000	000		
		SURVEY	COMPLETION TIME				
8. Please ii	ndicate how long it to	ook you to complete	this questionnaire.				
00303	minutes						
		CER	RTIFICATION				
First name of po C0054	erson who completed this rep	ort (please print)	Last name of person	who completed this report (ple	ease print)		
Official positio							
Official position C0014							
Business address C1004 C1007 C100 C100							
Telephone No. C0017Extension C0027Fax No. C0016GST No. (BN No.) C1020							
E-mail address C0018 Date C0015 C0015							
Please describe briefly your organization's main activities. If you have enclosed an annual report which contains this information, disregard this question.							
C0055							

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#### COMMENTS

COMMENTS
Reporting differences
Statistics Canada compares current responses with those provided for the last reporting period.
Please describe reasons for any variation with previous information (e.g., expansion, businesses acquired or sold,
closures, organizational changes etc).
Explaining possible changes or events may prevent follow-up by Statistics Canada.
C9920
Thank you for completing this questionnaire.
Plaza rotain a convior vour recorde
Please retain a copy for your records.

# **INSTRUCTION GUIDE**

Need assistance? Call us at 1-877-604-7828

#### **INSTRUCTION GUIDE**

Please answer all questions. Since the required information cannot normally be readily extracted from available records, your best estimates will be quite satisfactory. The last survey was carried out for the fiscal year ending in 2010. You may have a file copy of your return which will help you now.

Additional forms and explanations of the terms used in the questions can be obtained from Statistics Canada: call **1-877-604-7828**.

## Please return the completed questionnaire within 30 days of receipt.

If you are unable to do so, please inform us of the expected completion date. If you receive more than one copy of this survey questionnaire for the same private non-profit organization, please complete only one and return with duplicate(s). If you require assistance in the completion of this questionnaire or have any questions regarding the survey please address all enquiries to:

Statistics Canada Ottawa, Ontario K1A 0T6 Tel: 1-877-604-7828 Fax: 1-888-883-7999 Email: bsso@statcan.gc.ca

#### Definitions

"Research and experimental development (R&D) comprise creative work undertaken on a systematic basis in order to increase the stock of knowledge, including knowledge of man, culture and society, and the use of this stock of knowledge to devise new applications."

#### OECD (2002), Frascati Manual

**Research and development (R&D)** is creative work in the natural sciences and engineering, and social sciences and humanities fields undertaken on a systematic basis to increase the stock of knowledge or discover new applications for existing knowledge. New knowledge involves the integration of newly acquired information into existing hypotheses, the formulation and testing of new hypotheses or the re-evaluation of existing observations.

NOTE: Exclude all non-R&D activities (such as investigative studies, medical care, social services, education and training, dissemination of information, etc.), which your organization undertakes or funds.

To illustrate the distinction between R&D and investigative studies: the developing and testing of new methods for treating a neurosis is research. A study of psychiatric services in a region to suggest changes is an investigative study.

#### Major fields of R&D

- a) Natural sciences and engineering:
  - Medical sciences include medicine, dentistry, pharmacy, etc.

- Other sciences include all disciplines in the natural sciences except the medical sciences (*e.g. mathematics, physics, chemistry, biology and engineering*).
- b) Social sciences and humanities include all disciplines involving the study of human actions and conditions, and the social, economic and institutional mechanisms affecting humans (*e.g. economics, history, sociology*).

#### Expenditure types

**Current expenditures** are expenditures on items used up within a relatively short time period or costing relatively little. They include wages, salaries and related costs; materials and supplies used; necessary background literature; minor scientific equipment and associated administrative overhead costs.

**Capital expenditures** are expenditures on facilities such as buildings, equipment, machinery and land.

#### Exclude capital depreciation.

#### Questions 1 and 4 – Full Time Equivalent (FTE)

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. To arrive at the total effort devoted to R&D in terms of personnel, it is necessary to estimate the full time equivalent of these persons working only part time in R&D.

FTE (Full Time Equivalent) = Number of persons who work solely on R&D projects + the estimate of time of persons working only part of their time on R&D.

*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 scientists.

## Question 6 – Research and development (R&D) expenditures by socio-economic objectives

Socio-economic objectives allow organizations to classify their R&D resource allocations according to the purpose for which the expenditure is intended. The objectives are listed on the questionnaire at the highest level of aggregation with sub-levels given here for clarification of categories. In many cases, projects have multiple objectives and an organization should assign its expenditures consistent with the stated objectives. Care must be taken to avoid "double counting".

The objectives are based on the Nomenclature for the Analysis and Comparison of Scientific Programs and Budgets (NABS) produced by the Statistical Office of the European Communities (Eurostat).

#### 1. Exploration and exploitation of the Earth

R&D activities with objectives related to the exploration of the Earth's crust and mantle, seas, oceans and atmosphere. It also includes climatic and meteorological research, polar exploration (under various headings, as appropriate) and hydrology. **Excludes:** R&D activities on pollution (objective 3), soil improvement or land-use (objective 2), and fishing (objective 6).

#### 2. Infrastructure and general planning of land use

R&D activities related to infrastructure and land development, including research on the construction of buildings.

This socio-economic objective covers research on infrastructure and land development, including research on the construction of buildings. More generally, this socio-economic objective covers all research relating to the general planning of land use. This includes research into protection against harmful effects in town and country planning but not research into other types of pollution.

#### 3. Control and care of the environment

R&D activities related to the control of pollution, aimed at the identification and analysis of the sources of pollution and their causes, and all pollutants, including their dispersal in the environment and the effects on man, species (fauna, flora, microorganisms) and biosphere. Development of monitoring facilities for the measurement of all kinds of pollution is included. The same is valid for the elimination and prevention of all forms of pollution in all types of environment.

#### 4. Protection and improvement of human health

R&D activities related to protecting, promoting and restoring human health broadly interpreted to include health aspects of nutrition and food hygiene. It ranges from preventative medicine, including all aspects of medical and surgical treatment, both for individuals and groups, and the provision of hospital and home care, to social medicine and pediatric and geriatric research

## 5. Production, distribution and rational utilization of energy

R&D activities related to the production, storage, transportation, distribution and rational use of all forms of energy. It also includes R&D activities on processes designed to increase the efficiency of energy production and distribution, and the study of energy conservation.

#### 6. Agricultural production and technology

R&D activities related to the promotion of agriculture, forestry, fisheries and foodstuff production. It includes: R&D activities on chemical fertilizers, biocides, biological pest control and the mechanization of agriculture; research on the impact of R&D activities in the field of developing food productivity and technology.



#### 7. Industrial production and technology

R&D activities related to industrial production and technology. It includes R&D activities on industrial products and their manufacturing processes except where they form an integral part of the pursuit of other objectives (e.g. defence, space, energy, agriculture).

#### 8. Social structures and relationships

R&D activities related to social objectives, as analyzed in particular by social and human sciences, which have no obvious connection with other objectives. This analysis includes quantitative, qualitative, organizational and forecasting aspects of social problems.

#### 9. Exploration and exploitation of space

R&D activities in the defence field is classified in objective 12. (Although civil space research is not, in general, concerned with particular objectives, it frequently has a specific goal, such as the increase of general knowledge (e.g. astronomy), or relates to particular applications (e.g. telecommunication satellites)).

#### 10. Non-oriented research

R&D activities motivated by scientific curiosity with the objective of increasing scientific knowledge. It also includes funding used to support postgraduate studies and fellowships.

#### 11. Other civil research

R&D activities which cannot (yet) be classified to a particular objective.

#### 12. Defence

R&D activities for military purposes. It also includes basic research and nuclear and space research financed by ministries of defence. Civil R&D activities financed by ministries of defence, for example, in the fields of meteorology, telecommunications and health, should be classified in the relevant objectives.

### **General information**

#### Confidentiality

#### Your answers are confidential.

Statistics Canada is prohibited by law from releasing any information it collects which could identify any person, business, or organization, unless consent has been given by the respondent or as permitted by the *Statistics Act*.

Statistics Canada will use the information from this survey for statistical purposes.

#### **Data-sharing agreements**

To reduce respondent burden, Statistics Canada has entered into data sharing agreements with provincial and territorial statistical agencies and other government organizations, which have agreed to keep the data confidential and use them only for statistical purposes. Statistics Canada will only share data from this survey with those organizations that have demonstrated a requirement to use the data. **Section 11** of the *Statistics Act* provides for the sharing of information with provincial and territorial statistical agencies that meet certain conditions. These agencies must have the legislative authority to collect the same information, on a mandatory basis, and the legislation must provide substantially the same provisions for confidentiality and penalties for disclosure of confidential information as the *Statistics Act*. Because these agencies have the legal authority to compel businesses to provide the same information, consent is not requested and businesses may not object to the sharing of the data.

For this survey, there is a **Section 11** agreements with the Institut de la statistique du Quebec.

The shared data will be limited to information pertaining to business establishments located within the jurisdiction of Quebec.

#### **Record linkages**

To enhance the data from this survey, Statistics Canada may combine it with information from other surveys or from administrative sources.

## Thank you for completing this questionnaire.

## Please retain a copy for your records.

## Need assistance? Call us at 1-877-604-7828.

Please mail the completed questionnaire in the enclosed envelope or fax it to Statistics Canada at **1-888-883-7999**.

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