

Research and Development in Canadian Industry, 2003

Reporting unit name and address

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ı	NFORMA	TION FO	R RESPONDENTS				
Survey objective This survey collects data which are essential to assu activities in Canada and to support the development research and development (R&D) incentive programs this survey will be published in "Industrial Research	t of science s and to cor	and tec	hnology policy. Your da ational totals for scientif	ata will be used, ic R&D expendi	for instance, tures and per	to plan and connel. The i	evaluate
Authority This survey is conducted under the authority of the St	atistics Act,	Revised	Statutes of Canada, 198	85, Chapter S1		>	
Legal requirement Organizations are required to provide this information.				(
Confidentiality Statistics Canada is prohibited from publishing any st the previous written consent of that organization. Ti purposes and published in aggregated form only.							
Federal/Provincial Agreements In order to avoid duplication of enquiry, to reduce the the Institut de la statistique du Quebec, under Secti activities in Quebec will be transmitted to the Institu confidentiality and penalties for disclosure of informati	on 11 of th t de la stat	e Statist istique di	ics Act, Statutes of Car I Quebec. The Statistic	nada, where da	ta on firms lo	cated or hav	ring R&D
Reporting period and coverage This questionnaire should be completed for the fiscal in Canadian currency.	year endir	ng in 200	3 This report should ex	clude foreign op	erations. Plea	se report all	amounts
Please complete a separate questionnaire for each complete a separate questionnaire for each complete for forms from the forms from the forms from the from	sure that qu ons should	estions 1 I be com	to 8 only include data pleted.	on companies p	· ·	O in Canada.	
If your company does not perform but funds R&D, company	./ /.		,		tion.		
a) If your records do not permit separate reporting included in questions 2 to 6 of this question pairs.	Jist the r	ame of		performing R&I			
b) If this reporting unit includes Canadian R&D related firms (i.e. parent, subsidianes) which companies and indicate "NO" in column 2.	activities pe themselves	rformed do not	in direct support of oth perform R&D, list the	er Canadian se Canadian	Performs R&D	Indicate ty affiliation with	reporting
Name of companies (please printfull legal game	e and attach	addition	al sheet if necessary)		YES or NO	unit (i.e. p subsidiary o	
315							
316							
317							
318							
319							
c) Latest fiscal year for which a claim for Scientific was filed with Canada Revenue Agency				T661 SRED)	533		
2. FISCAL YEAR ENDING IN 2003 FR	OM ⁵³¹ 2	0 year	month day	TO 532 2	0 0 3 year m	nonth day	
3a) REVENUES IN CANADA of reporting company a Indicate their approximate sales and other revenu ("see Instruction Guide")					193	(in thousand	ls of Cdn \$)
b) Please estimate the percentage of your 2003 rev substantially improved products/services introduct					or 536	3	%
4. NUMBER OF EMPLOYEES IN CANADA of reportion 1b). Indicate their average number of employees or	payroll in (Canada f	or 2003.	questions 1 a)	and 094	(number)	
Name of person who completed this report (please pr			ICATION usiness address				
Official position	Date		Postal code	Telephone No.	_		Extension
Email address:		GST No.	(BN No.)	Fax No.			

5-5300-402.1 2004-04-05 STC/SAT-465-60041



Statistics Statistique Canada Canada



5. PERSONNEL	OF TH	IS REPORT	ING UNIT	ENGAGE	ין שאאו אוו כ	OLL-IIIVIL	EQUIVA	LENT*) (use	rounaea i	iumbers or	,,	
					Profe	ssionals		, ,		Supporti	ng Staff*	
				and enginee				D administrat		Technicians and techno-	Other	Total R&D
		Bachelors 082	Masters 083	Doctorates 084	Total	Bachelors 085	Masters 086	Doctorates 087	Total	logists 088	089	personnel **
a) In 2003 For 2003,	%	%	%	%	%	%	%		%	%	%	/ 0/
please indicat % of males	€ <u>Μ</u> %											
b) Planned for	F	%	%	%	%	%	%	%	%	%	%	%
2004	!											
See "Instruct Divide wages	and sa	laries for 20								Average wa	iges and s	alaries
If the average	R&D	wages and	salaries d	to not seem	reasonab	ile, please i	review th	ie data 🏻 📗		(in thous	ands of Co	dn \$)
6. EXPENDITUR (2003 total R												
(2000 total 110	D CXP			EXPENDIT		/ (III tillous)	21100 01 1	CAPITAL EX	(PENDITU	RES		\wedge
		Wage	s	Other	Total	La	nd	Buildings	Equipme	ent 🗲	otal	Total
		and sala	ries" curre	ent costs**	current				Other	ca	pital	
		001	002	T		009		of Cdn \$)	011	1 (> </td
a) Made in 2002		003	004			012		113	014		\rightarrow	
b) Made in 2003	1	005	006			015		016	017	$\overline{()}$	/	
c) Planned for 2	004											-
Forecast for 2		007	800			018		119	020			
 e) If applicable, development 	pleas	e estimate	the perce	ntage of tot	al R&D ex	penditures	(reported	d above for y	2003), attrib	outable to s	software	308 %
f) If applicable,	olease	estimate th	e percenta	ge of total R	&D expend	ditures (repo	orted abo	ve for 2003) a	ttributable	to biotechno	ology***	309 %
							()	above for 20	02) ottribut	able to pre	vention	314
g) If applicable,	please	e estimate to	he percen	tage of tota	I R&D expuction of m	enditures (aterial and	enengy us	se***	os) attribui	able to pre	vention,	
g) If applicable, treatment and	reuse ortant	of pollutant potential en	s and was vironmenta	tes, and red	uction of m	aterial and	eniengy us	se***	os) alinbui			<u>%</u>
g) If applicable, treatment and n) Are there imp (apart from a	reuse ortant y R&D	of pollutant potential en reported ir	s and was vironmenta question (tes, and red al benefits re 6g)?***	uction of m	aterial and	ehengy us red for 2	203 Se***	,	⁵³⁵ Ye	s (or No ()
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** See "Instruction Guide" for areas covered in the National Capital Region.

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	Canadian	No
	sources 021	Cana 022
Reporting unit funding (include also funds from companies listed in question 1a)	021	022
(i) Please indicate % of a) which were provided by venture capital firms	%	
Parent, affiliated and subsidiary companies (only those not included in question 8a).		
Name of companies (please print full legal name and attach additional sheet if necessary.)		
325	335	345
326	336	346
327	337	347
328	338	348
329	339	349
Sub-total (b)	023	024
Canadian Federal Government:* (i) R&D grants and the R&D portion only of any other grants.		\land
		1/1
Industry Canada: Technology Partnership Program		1/
National Research Council: Industrial Research Assistance Program		k 2,
Atlantic Canada Opportunities Agency	W \\	/
Canada Economic Development (Quebec Regions)		
Western Economic Diversification Office		
Other grant programs (specify):		
(specify):		
Sub-total (c (i))	027	
(ii) R&D contracts and the R&D portion only of any other contracts.	8	
^ / / \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
Contracting departments: (Payments are often made through Public Works and Government Service Canada for other departments; please specify contracting department)	ces	
Canadian Space Agency		
National Defence		
Colt Add to (iii)	026	
Sub-total (c (ii))		
Provincial government:* (specify province):		
(specify province):		
(specify province):		-
	291	
Sub-total (d)		
R&D contract work for other companies		
Name of companies		
(please print full legal name and attach additional sheet if necessary.) 355	365	375
	366	376
356		377
356 357	367	
	368	378
357		378 379
357 358	368	
357 358 359	368 369	379
357 358 359 360	368 369 370	379 380
357 358 359 360 361 362	368 369 370 371 372	379 380 381 382
357 358 359 360 361 362 363	368 369 370 371 372 373	379 380 381 382 383
357 358 359 360 361 362	368 369 370 371 372 373 374	379 380 381 382 383 384
357 358 359 360 361 362 363	368 369 370 371 372 373	379 380 381 382 383
357 358 359 360 361 362 363 364	368 369 370 371 372 373 374	379 380 381 382 383 384
357 358 360 361 362 363 364 Sub-total (e)	368 369 370 371 372 373 374	379 380 381 382 383 384
357 358 359 360 361 362 363 364	368 369 370 371 372 373 374 028	379 380 381 382 383 384 029
357 358 360 361 362 363 364 Sub-total (e)	368 369 370 371 372 373 374 028	379 380 381 382 383 384 029
357 358 360 361 362 363 364 Sub-total (e) Others (i.e. universities, foreign government) (specify):	368 369 370 371 372 373 374 028	379 380 381 382 383 384 029
357 358 359 360 361 362 363 364 Sub-total (e) Others (i.e. universities, foreign government) (specify):	368 369 370 371 372 373 374 028	379 380 381 382 383 384 029
357 358 360 361 362 363 364 Sub-total (e) Others (i.e. universities, foreign government) (specify):	368 369 370 371 372 373 374 028	379 380 381 382 383 384 029

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Ple	ease complete the followi			&D ACTIVITIES – 2003 establishment (previously		uestion 7). If v	ou have more th	nan one
	&D establishment, please							
9.	a) R&D Establis	hment No	. L (i	.e. 1, 2, 3, etc.)				
١	Name of R&D establishment:							
P	Address of R&D establishmer	nt:						
_		Street				City		
_		U				O., y		
_	Contact:	Province				Postal code		
	Somaci.							
-		Na	me					\
_		Position	on tittle			() T	elephone no.	\
	_							<u> </u>
1.	What were the current (non- (the total amounts reported					uestion Ø	(in thousands of (Cdn \$)
2	How many scientists and er	nginoers (full-tim	ne equivalent) w	ore employed in this P&D o	etablishment in 1	20032	(full time equiva	lent)
	(the total amounts reported	for all R&D esta	ablishments show	uld equal the total of cells 0	82 to 084 in gue	stion 5)		
3.	Please estimate, in terms of your R&D effort in 2003:	of the percentag	ge of the current	t R&D expenditures, the ap	oproximaté distril	bution of		
				\Diamond_{\wedge}	(\bigcirc)	′ Г		%
	A. Basic research (no spec	cific practical ap	plication in view)				%
	B. Applied research (with a	a specific praction	cal application in	view)	<u></u>			70
	C. New * product developn	ment						%
			<					%
	D. Existing * product impro	ovement	\sim					%
	E. New * process develop	ment		>				
	F. Existing * process impro	ovement \checkmark						%
	G. New * technical service	s davolanmont	\triangleright					%
	G. New technical service	s development	/					%
	H. Existing * technical serv	vices improveme	ent					
	Please consider new to	mean totally or	essentially new	/unknown to the personnel	of your R&D esta	ablishment.		100%
,	/ your personnel do not h	nave access to t	he information n	the world but your R&D is secessary to avoid any of the ld be improving a product/p	e normal risks of	•		
	they have the basic info	ormation - the pr	oduct/process/s	ervice need not already be	provided by you	r company.		
b)) IN THE YEAR 2003, WAS	YOUR ENTERI	PRISE INVOLVE	ED IN A COOPERATIVE/C	OLLABORATIV	E ARRANGEMEN	T FOR R&D?	
	○ No ○ Yes ▶			the following reason(s) were ve/collaborative arrangeme				
	Partners	Affiliated	Other	Canadian research	Canadian	Foreign	Other types	
	Reason	Canadian Enterprise	Canadian Enterprises	institutes and Canadian Universities	Federal Government	Organizations	of partners	
	To share financial and feasibility risk	0	0	0	0	0	0	
	Access to specialized human resources	0	0	0	0	0	0	
	Access to specialized equipment	0	0	0	0	0	0	

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DATA ON PAYMENTS FOR R&D (questions 10 and 11) 10. PAYMENTS FOR R&D PERFORMED BY OTHER ORGANIZATIONS*		
(2003 should equal the total of question 11.) (in thousands of Cdn \$) a) Made in 2002		038
b) Made in 2003		039
c) Planned for 2004		040
d) Forecast for 2005		041
11. RECIPIENTS OF PAYMENTS* FOR R&D PERFORMED IN 2003 BY OTHER ORGANIZATIONS (in thousands of Cdn \$)	In Canada	Outside Canada
a) Parent, affiliated and subsidiary companies		
b) Other companies		
c) Private non-profit organizations		
d) Industrial research institutes or associations		
e) Hospitals		77/
f) Universities		$\langle \rangle \rangle$
g) Provincial research organizations	4(/)	
h) Other (eg: Individuals, Non-University Educational Institutions, Governments)		
Total of items 11a) to 11h)		
Total (equal to 2003 figure entered in question 10b) * Payments made outside Canada should be reported net of withholding taxes.	Ь	
DATA ON OTHER PAYMENTS MADE OR RECEIVED FOR TECHNOLOGY (questi	on 12)	
	·	
A company can acquire information based on R&D performed in the past by other companies, organizations or ind information based on R&D it has performed in the past. In the preceding section, payments are reported for the supp being done. In this section, consider only payments for information and rights derived from R&D performed in the past	ort of R&D whils	
12. PAYMENTS MADE OR RECEIVED IN 2003 BY THIS REPORTING UNIT FOR PATENTS (SALE/PURCHASE, LICENSING) KNOW-HOW (UNPATENTED), INVENTIONS, TRADEMARKS		
(INCLUDING FRANCHISING), PATTERNS, DESIGN, AND RED (TECHNICAL ASSISTANCE* (in thousands of Cdn \$)	In	Outside
(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Canada	Canada
a) Payments	101	103
to parent, affiliated and/or subsidiary companies	102	104
to other organizations and/or individuals		
Total	062	063
* Payments made outside Canada should be reported net of withholding taxes.		
	105	107
b) Receipts from parent, aftiliated and/or subsidiary companies	<u> </u>	
from other organizations and/or individuals	106	108
Total	064	065
1 sylai		
SURVEY COMPLETION TIME (question 13)		
13. APPROXIMATELY HOW MANY HOURS DID YOU SPEND COLLECTING THE DATA AND COMPLETING THE C	LIESTIONNAIR	F2
Less than 1 hour 2 – 5 hours 10 – 20 hours More than 40 hours		
1 – 2 hours 5 – 10 hours 20 – 40 hours		
DATA ON ENERGY R&D (question 14)		
DATA ON ENERGY R&D (question 14)		
DATA ON ENERGY R&D (question 14) 14. IN 2003, DID THIS REPORTING UNIT PERFORM OR FUND ANY ENERGY R&D?		
	stionnaire.	

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OMMENTS: Reasons for Major Changes in Reported Expenditures and Personnel – In order	to eliminate the necessity to verify discrepan
OMMENTS: Reasons for Major Changes in Reported Expenditures and Personnel – In order stween this report and your last return (2002) please explain any significant changes which mig	tht be misconstrued as an error in reporting.
\diamondsuit . (\bigcirc	
M	
\nearrow (\bigcirc) \checkmark	

The results of this survey will be published in "Industrial Research and Development" (Cat. No. 88-202-XIE) and "Science Statistics" (Cat. No. 88-001-XIE). http://www.statcan.ca/english/IPS/Data/88-001-XIE.htm http://www.statcan.ca/english/IPS/Data/88-202-XIE.htm

THANK YOU FOR YOUR CO-OPERATION