

14.3 Federal expenditures on human sciences R&D and RSA by performer, 1978-81 (thousand dollars)

Performer	1978-79		1979-80		1980-81	
	\$	%	\$	%	\$	%
R&D						
Intramural ¹	42,209	42.1	42,406	42.4	45,268	43.9
Industry	4,886	4.9	6,582	6.6	4,856	4.7
Universities	26,018	25.9	27,467	27.4	32,914	31.9
Non-profit institutions	11,328	11.3	9,384	9.4	5,941	5.8
Provincial and municipal	3,796	3.8	2,174	2.2	2,051	2.0
Foreign	10,349	10.3	9,871	9.9	9,988	9.7
Other Canadian	1,680	1.7	2,201	2.2	2,058	2.0
Total	100,266	100.0	100,085	100.0	103,076	100.0
RSA						
Intramural ¹	266,646	85.7	271,845	86.2	295,929	86.0
Industry	9,592	3.1	9,779	3.1	11,167	3.2
Universities	14,862	4.8	13,963	4.4	15,752	4.6
Non-profit institutions	5,246	1.7	5,338	1.7	5,710	1.7
Provincial and municipal	4,481	1.4	4,402	1.4	5,000	1.5
Foreign	4,959	1.6	4,687	1.5	5,132	1.5
Other Canadian	5,218	1.7	5,192	1.6	5,375	1.6
Total	311,004	100.0	315,206	100.0	344,065	100.0

¹Intramural expenditures do not include non-program costs.

14.4 Expenditures of provincial research organizations by scientific activity, 1978 (thousand dollars)

Provincial research organization	Scientific research	Development	Resource surveys	Analysis and testing	Industrial engineering	Other ¹	Total
Nova Scotia	535	841	229	382	204	356	2,547
New Brunswick	381	559	76	1,119	153	255	2,543
Quebec	501	2,976	—	1,567	78	2,710	7,832
Ontario	2,900	3,950	—	3,333	200	650	11,033
Manitoba	—	366	—	—	23	69	458
Saskatchewan	2,175	673	—	570	259	1,501	5,178
Alberta	3,611	3,998	1,934	1,161	903	1,290	12,897
British Columbia	1,115	813	—	577	354	1,205	4,064
Total	11,218	14,176	2,239	8,709	2,174	8,036	46,552

¹Feasibility studies, \$2.5 million; library and technical information, \$3.7 million; industrial innovation, \$1.3 million; and other, \$520,000.

14.5 Federal scientific expenditures by application area (million dollars)

Area and department or agency	1978-79	1979-80	1980-81
Communications	31.4	36.5	39.4
Communications	21.1	23.8	26.7
National Research Council	3.6	2.8	3.1
Canadian Broadcasting Corporation	3.1	3.3	3.5
Others	3.6	6.6	6.1
Domestic security¹	7.2	8.4	9.2
Justice	2.6	3.4	3.9
Law Reform Commission	2.3	2.4	2.8
Solicitor General	2.3	2.6	2.5
Energy²	173.5	204.2	230.0
Energy, Mines and Resources	44.8	65.5	79.7
Atomic Energy of Canada Ltd.	85.1	83.5	88.8
Environment	0.4	4.9	5.1
Fisheries and Oceans	7.9	7.5	7.8
Industry, Trade and Commerce	1.7	1.1	1.5
National Research Council	21.9	28.9	31.8
Natural Sciences and Engineering Research Council	4.0	3.8	4.9
Public Works	0.4	1.1	2.0
Transport	3.5	3.5	3.7
Others	3.8	4.4	4.7
Environmental issues	53.9	57.4	58.7
Energy, Mines and Resources	2.4	2.5	2.9
Environment	41.8	42.9	42.2
Fisheries and Oceans	2.5	2.2	2.4
National Research Council	3.2	3.8	4.2
Natural Sciences and Engineering Research Council	2.4	2.7	3.6
Others	1.6	3.3	3.4