

12.5 Federal scientific expenditures by application area (million dollars) (concluded)

Area and department or agency	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Space science and satellite technology						
Communications	45.7	52.0	64.8	20.7	25.6	34.1
Environment	2.3	5.1	5.5	4.2	5.6	5.8
National Research Council	17.4	17.8	24.2	33.2	34.1	20.8
Others	2.3	2.0	2.5	2.5	3.3	3.0
Total	67.7	76.9	97.0	60.6	68.6	63.7
Transportation						
Energy, Mines and Resources	0.8	2.1	2.1	2.0	1.7	1.4
Fisheries and Oceans	31.2	46.8	43.8	65.1	62.0	47.3
National Research Council	26.2	34.0	48.5	42.3	37.2	27.1
Transport Canada	21.7	20.8	24.8	33.2	32.9	38.1
Canada Transport Commission	2.7	3.2	3.4	3.4	3.3	3.3
Statistics Canada	3.1	3.2	3.6	4.3	4.4	4.7
Others	1.5	0.7	0.8	1.4	2.7	1.6
Total	87.2	110.8	127.0	151.7	144.2	123.5
Other						
Energy, Mines and Resources	47.5	54.0	54.4	61.4	82.2	67.3
Environment	127.5	154.4	169.6	190.1	199.9	205.1
Regional Industrial Expansion	131.1	122.0	165.1	172.1	199.3	165.9
National Research Council	88.0	101.5	139.6	163.7	165.7	158.3
Natural Sciences and Engineering Research Council	2.6	5.4	7.0	12.0	13.0	14.5
Others	181.5	181.5	204.1	211.0	223.2	234.2
Total	578.2	618.8	739.8	810.3	883.3	845.3

12.6 Federal employees engaged in R&D and RSA in the natural sciences, by major department or agency (person years)

Department or agency	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
R&D						
Agriculture	3,887	3,916	4,804	4,727	4,658	4,624
Atomic Energy of Canada Ltd.	2,340	2,451	2,500	2,484	2,401	2,451
Communications	575	639	510	559	604	569
Energy, Mines and Resources	1,381	1,468	1,530	1,655	1,656	1,648
Environment	1,616	1,632	849	867	812	814
Fisheries and Oceans	1,384	1,486	1,502	1,533	1,528	1,536
National Defence	1,795	1,776	1,805	1,782	1,780	1,773
National Health and Welfare	227	188	202	181	184	181
National Research Council	2,435	2,715	2,762	2,841	2,769	2,723
Other	112	141	124	130	120	122
Total	15,752	16,412	16,588	16,759	16,512	16,441
RSA						
Agriculture	219	218	770	709	699	712
Atomic Energy of Canada Ltd.	146	156	165	165	161	152
Energy, Mines and Resources	845	872	899	804	876	865
Environment	2,974	2,966	2,834	2,906	2,797	2,800
Fisheries and Oceans	1,042	1,027	1,004	1,070	1,067	1,067
National Defence	30	29	33	32	30	30
National Health and Welfare	852	975	994	1,033	1,045	1,041
National Research Council	607	499	510	515	521	504
Other	823	776	711	716	674	672
Total	7,538	7,518	7,920	7,950	7,870	7,843