

V.2: Expenditures on applied research and development and its results

1. Structure of the state budget R&D expenditures in 2007

Total state budget R&D expenditures in 2007 CZK 21.5 bn	Targeted expenditures (P = projects and RP = research plans) CZK 18.4 bn	Basic research CZK 6.6 bn	RP: CZK 4.4 bn	Industrial: CZK 2.5 bn Non-industrial: CZK 4.8 bn
			P: CZK 2.2 bn	
	Applied research and development CZK 11.8 bn	RP: CZK 4.5 bn		
		P: CZK 7.3 bn		
	Non-targeted expenditures (specific university research, OP co-financing and RPs, etc.) CZK 3.1 bn			

2. Expenditures on non-industrial applied research and development (in CZK thous.)

Budgetary Chapter	Type	2002	2003	2004	2005	2006	2007	In total
AS CR	CEP	81 000	96 732	89 554	45 000	99 000	298 663	709 949
	CEZ	*	*	*	0	0	114 231	114 231
In total		81 000	96 732	89 554	45 000	99 000	412 894	824 180
BIS	CEP	5 280	3 813	7 130	4 530	5 500	8 780	35 033
	CEZ	*	*	*	0	0	0	0
In total		5 280	3 813	7 130	4 530	5 500	8 780	35 033
ČBÚ	CEP	20 043	21 603	27 001	28 286	28 636	25 804	151 373
	CEZ	*	*	*	0	0	0	0
In total		20 043	21 603	27 001	28 286	28 636	25 804	151 373
ČÚZK	CEP	3 550	3 668	2 105	0	0	0	9 323
	CEZ	*	*	*	27 405	28 664	28 664	84 733
In total		3 550	3 668	2 105	27 405	28 664	28 664	94 056
MoT	CEP	68 584	74 987	106 892	163 796	131 445	106 029	651 733
	CEZ	*	*	*	33 990	31 512	28 581	94 083
In total		68 584	74 987	106 892	197 786	162 957	134 610	745 816
MoInf	CEP	0	13 470	8 287	15 616	13 954	12 428	63 755
	CEZ	*	*	*	8 013	8 013	8 535	24 561
In total		0	13 470	8 287	23 629	21 967	20 963	88 316
MoC	CEP	48 698	32 685	24 276	13 452	10 318	18 647	148 076
	CEZ	*	*	*	43 235	50 423	47 241	140 899
In total		48 698	32 685	24 276	56 687	60 741	65 888	288 975
MfRD	CEP	0	0	26 349	32 686	44 328	29 137	132 500
	CEZ	*	*	*	0	0	0	0
In total		0	0	26 349	32 686	44 328	29 137	132 500
MoD	CEP	260 412	335 814	293 673	312 073	387 345	311 605	1 900 922
	CEZ	*	*	*	69 372	54 549	57 424	181 345
In total		260 412	335 814	293 673	381 445	441 894	369 029	2 082 267
MoLSA	CEP	15 486	34 805	26 893	65 703	65 042	45 698	253 627
	CEZ	*	*	*	49 912	53 085	55 245	158 242
In total		15 486	34 805	26 893	115 615	118 127	100 943	411 869

Budgetary Chapter	Type	2002	2003	2004	2005	2006	2007	In total
MoEYS	CEP	1 309 422	1 300 438	1 321 570	1 490 416	2 517 685	2 406 411	10 345 942
	CEZ	*	*	*	2 996 166	3 079 066	3 372 575	9 447 807
In total		1 309 422	1 300 438	1 321 570	4 486 582	5 596 751	5 778 986	19 793 749
MoI	CEP	7 460	4 249	4 080	7 570	31 135	63 954	118 448
	CEZ	*	*	*	11 500	0	2 200	13 700
In total		7 460	4 249	4 080	19 070	31 135	66 154	132 148
MoH	CEP	400 314	481 280	495 644	596 258	564 222	632 253	3 169 971
	CEZ	*	*	*	240 662	298 596	326 196	865 454
In total		400 314	481 280	495 644	836 920	862 818	958 449	4 035 425
MoA	CEP	248 305	288 740	347 074	310 451	315 260	345 979	1 855 809
	CEZ	*	*	*	414 847	449 259	476 259	1 340 365
In total		248 305	288 740	347 074	725 298	764 519	822 238	3 196 174
MoE	CEP	204 437	314 770	334 132	334 716	170 688	195 129	1 553 872
	CEZ	*	*	*	230 000	228 000	234 726	692 726
In total		204 437	314 770	334 132	564 716	398 688	429 855	2 246 598
MoFA	CEP	8 633	6 572	9 001	6 762	4 896	2 804	38 668
	CEZ	*	*	*	14 000	14 274	14 274	42 548
In total		8 633	6 572	9 001	20 762	19 170	17 078	81 216
NBÚ	CEP	11 380	12 454	13 881	10 367	17 312	11 563	76 957
	CEZ	*	*	*	0	6 000	7 000	13 000
In total		11 380	12 454	13 881	10 367	23 312	18 563	89 957
SÚJB	CEP	16 757	24 160	26 920	32 960	31 230	30 187	162 214
	CEZ	*	*	*	16 157	19 533	19 850	55 540
In total		16 757	24 160	26 920	49 117	50 763	50 037	217 754
In total	CEP	2 709 761	3 050 240	3 164 462	3 470 642	4 437 996	4 545 071	21 378 172
	CEZ	*	*	*	4 155 259	4 320 974	4 793 001	13 269 234
TOTAL		*	*	*	7 625 901	8 758 970	9 338 072	34 647 406

*) Not monitored in the past years.

Source: R&D IS (Central Register of Research Plans) according to code NR – non-industrial research, monitored since 2005

CEP (Central Register of R&D Projects), except all programmes of GACR and MoIT; AS CR - only IB (targeted R&D) and KA (nanotechnologies) programmes

Highlighted (in yellow) – targeted expenditures in 2002 – 2006, for which the results were measured

3. Results of non-industrial applied research and development 2002 - 2006

By providers:

Budgetary chapter	Number of projects	State budget expenditures (in CZK thous.)	Results of applied R&D in total		P (Patents) ¹⁾		Z (Technologies) ²⁾		S (Prototypes & Methodologies) ³⁾		SB Index ⁵⁾
			Number	Weight ⁴⁾	Number	Weight	Number	Weight	Number	Weight	
AS CR	137	477 834	60.0	4 354.2	13.8	1 591.7	32.2	2 412.5	14.0	350.0	9.11
ČBÚ	25	123 034	45.0	2 725.0	0.0	0.0	32.0	2 400.0	13.0	325.0	22.15
ČÚZK	5	15 624	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
MoT	78	355 882	53.0	2 225.0	0.0	0.0	18.0	1 350.0	35.0	875.0	6.25
MoInf	8	41 650	4.0	300.0	0.0	0.0	4.0	300.0	0.0	0.0	7.20
MoC	201	226 721	12.0	875.0	1.0	50.0	11.0	825.0	0.0	0.0	3.86
MfRD	68	101 315	15.0	375.0	0.0	0.0	0.0	0.0	15.0	375.0	3.70
MoD	153	1 360 869	114.5	7 912.5	12.0	600.0	95.0	7 125.0	7.5	187.5	5.81
MoLSA	92	93 557	2.0	50.0	0.0	0.0	0.0	0.0	2.0	50.0	0.53

MoEYS	522	4 311 029	286.9	15 212.5	17.6	1 779.2	134.0	10 050.0	135.3	3 383.3	3.53
MoI	38	32 395	13.0	375.0	0.0	0.0	1.0	75.0	12.0	300.0	11.58
MoH	1057	2 379 821	5.8	254.2	4.3	216.7	0.0	0.0	1.5	37.5	0.11
MoA	215	985 346	101.8	5 741.7	40.8	2 491.7	34.5	2 587.5	26.5	662.5	5.83
MoFA	89	31 373	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
MoE	252	1 459 890	96.0	4 375.0	3.0	150.0	38.0	2 850.0	55.0	1 375.0	3.00
NBÚ	53	61 825	35.0	2 025.0	0.0	0.0	23.0	1 725.0	12.0	300.0	32.75
SÚJB	39	127 290	6.0	300.0	0.0	0.0	3.0	225.0	3.0	75.0	2.36
In total	3032	12 185 455	850.1	47 100.0	92.6	6 879.2	425.7	31 925.0	331.8	8 295.8	3.87

By beneficiaries:

Beneficiaries	State budget expenditures (CZK thous.)	Results of applied R&D in total		P (Patents) ¹⁾		Z (Technologies) ²⁾		S (Prototypes & Methodologies) ³⁾		SB Index ⁵⁾
		Number	Weight	Number	Weight	Number	Weight	Number	Weight	
Institutions of AS CR	1 578 689	77.5	4 931.1	13.9	1 593.2	34.9	2 620.5	28.7	717.4	3.12
Higher education institutions (HEIs)	3 488 323	234.1	11 823.8	13.6	944.6	107.3	8 050.4	113.1	2 828.8	6.59
Departmental research institutions	3 787 172	163.5	8 408.3	20.0	1 186.7	72.7	5 451.7	70.8	1 769.9	2.22
Private corporates and individuals	3 331 271	375.1	21 936.8	45.2	3 154.6	210.7	15 802.4	119.2	2 979.8	3.39

Source: Evaluation of research and development and its results in 2007 and CEP (R&D projects) except all programmes of GA CR and MoIT; AS CR - only IB (targeted R&D) and KA (nanotechnologies) programmes

1. P = Patents and other types of results protected under special legal regulations
2. Z = Pilot plant; Verified technology; Variety; Breed
3. S = Prototype; Applied methodology; Functional sample; Authorized software; Applied research results projected into legal regulations and standards
4. Weight = number of points allocated according to the Methodology for evaluating research and development and its results in 2007
5. Index SB = ratio of weight of all evaluated results to the sum of all state budget (SB) expenditures on evaluated projects

4. Expenditures on applied industrial research and development and its results 2002 - 2006

Budgetary chapter	Number of projects	State budget expenditures (in CZK thous.)	Results of applied R&D in total		P (Patents) ¹⁾		Z (Technologies) ²⁾		S (Prototypes & Methodologies) ³⁾		SB Index ⁵⁾
			Number	Weight ⁴⁾	Number	Weight	Number	Weight	Number	Weight	
MPO	591	6 074 796	1 557	53 118.8	81.5	4075	584.5	43837.5	151	3775	8.74

Source: Evaluation of research and development and its results in 2007

1. P = Patents and other types of results protected under special legal regulations
2. Z = Pilot plant; Verified technology; Variety; Breed
3. S = Prototype; Applied methodology; Functional sample; Authorized software; Applied research results projected into legal regulations and standards
4. Weight = number of points allocated according to the Methodology for evaluating research and development and its results in 2007
5. SB Index = ratio of weight of all evaluated results to the sum of all state budget (SB) expenditures on evaluated projects