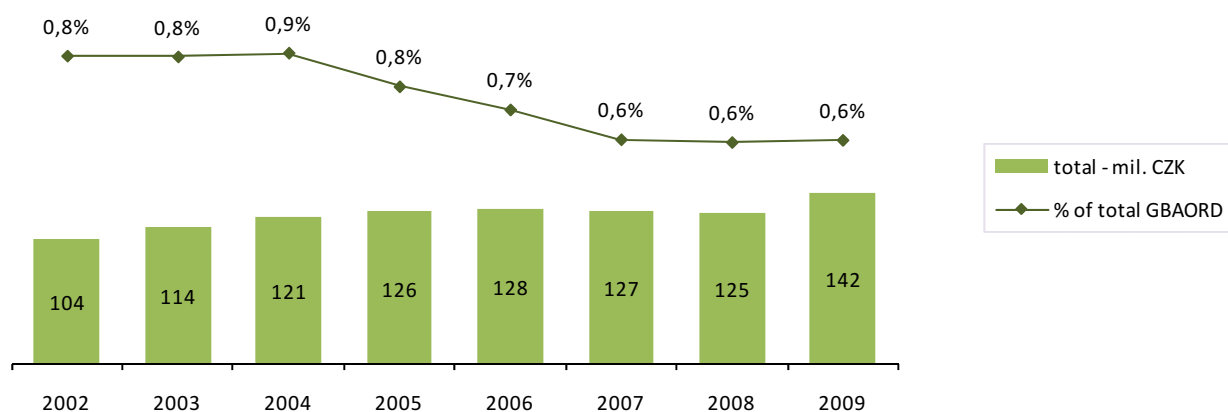


2.9 EXPLORATION AND EXPLOITATION OF SPACE (SEO 09)

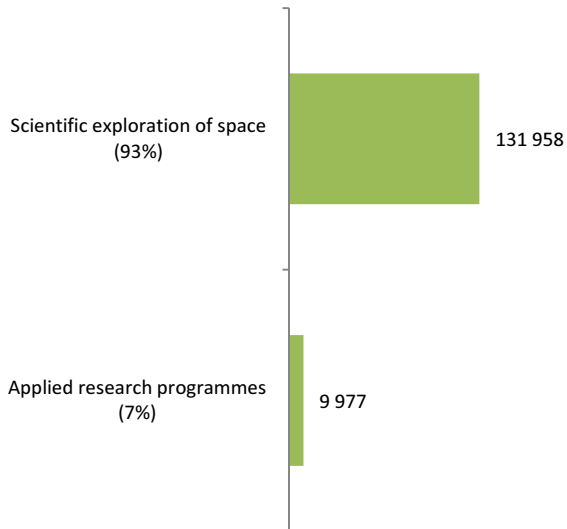
The socio-economic objective includes all civilian space research and related technologies. This includes satellite and launcher programs. Adequate space research in the field of defense (military) is classified by socio-economic objective SEO 13.

- The level of funding directed to research activities in the exploration and exploitation of space stayed at about CZK 125 million from 2002 to 2008. In 2009, this amount increased to CZK 142 million. The proportion of this socio-economic objective in total GBAORD was gradually falling and reached 0.6% in 2008. The share remained the same in 2009. The largest proportion (0.9%) of this objective was recorded in 2004. Average annual growth in the period 2002–2009 amounted to 4.6%.
- Only two subcategories within SEO 09 received funding in 2009. The largest funding (CZK 113,958 thousand) was allocated to scientific exploration of space (SEO 0901), which amounted to 93% of the total SEO 09 funding. Much less (CZK 9,977 thousand; 7%) went into applied research programmes (SEO 0902). The remaining subcategories were not supported in 2009. Also, no research projects were conducted in these areas in the given period.
- In the period 2005–2009, the highest average annual growth in funding was recorded for SEO 0901 – Scientific exploration of space (6.7%). In contrast, the only remaining objective, SEO 0902 – Applied research programmes, saw annual decline (-18.7%).
- Research in applied research programmes (SEO 0902) was funded only through project funding, while research activities within SEO 0901 – Scientific exploration of space were supported also through institutional funding, which prevailed over project funding (65.3% to 34.7%).
- Research and development in space was largely financed through the budget of the Academy of Sciences (CZK 94,561 thousand; 66.6%), followed by the Ministry of Education, Youth and Sports (CZK 24,082 thousand; 17.0%) and the Czech Science Foundation (CZK 22,720 thousand, 16%). The smallest funding was provided from the budget of the Ministry of Trade and Industry (CZK 572 thousand; 0.4%) and it was given on a project related to satellite technology.
- The most important, or in other words, the completely dominant beneficiaries of state funding for research related to exploration and exploitation of space were public research institution with the share of 85.4% (CZK 121,282 thousand). The share of funding allocated to universities within this objective was 4.8% (CZK 6,841 thousand). Public benefit corporations received 6.2% (CZK 8,799 thousand) and legal entities received 3.4% (CZK 1,468 thousand) of funds going into SEO 09. Only public research institutions obtained not only project funding, but also institutional funding of CZK 86,214 thousand (the share of 71.7%).
- The regional breakdown shows the Středočeský region as the major beneficiary with the share of 79.5% (CZK 112,834 thousand) of all funds allocated to this socio-economic objective (SEO 09). The second largest beneficiary was Prague with the share of 18.3% (CZK 26,039 thousand). The least research in SEO 09 was funded from state resources in the Královéhradecký region (CZK 672 thousand; 0.5%). In the Středočeský region, 76.4% of funding came from institutional funding and 23.6% came from project funding.

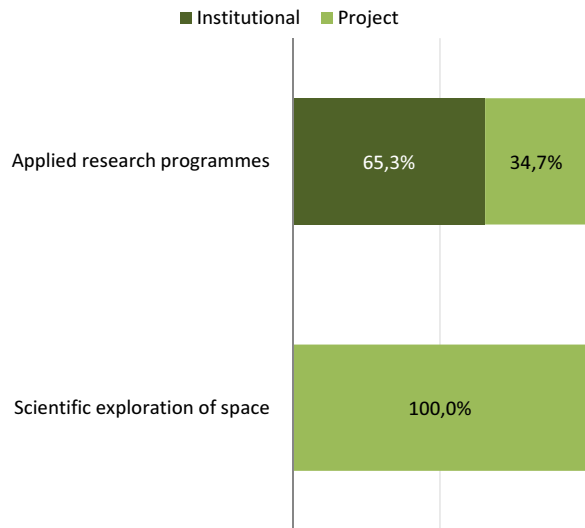
GRAPH 2.9-1: Exploration and exploitation of space (SEO 09) in mil. CZK and as % of total GBAORD; 2002–2009



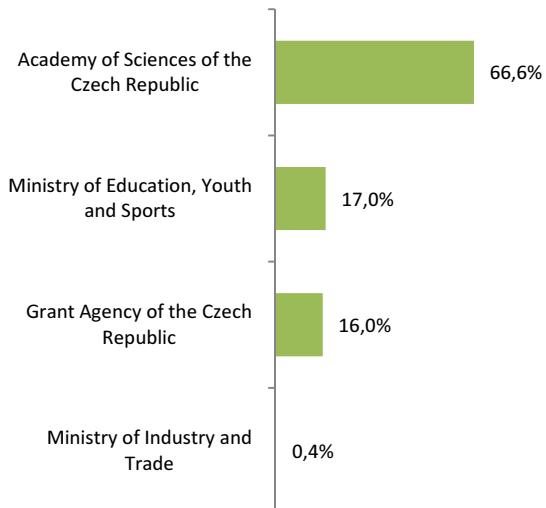
GRAPH 2.9-2: Exploration and exploitation of space (SEO 09) – objectives by NABS1992 (% and mil. CZK); 2009



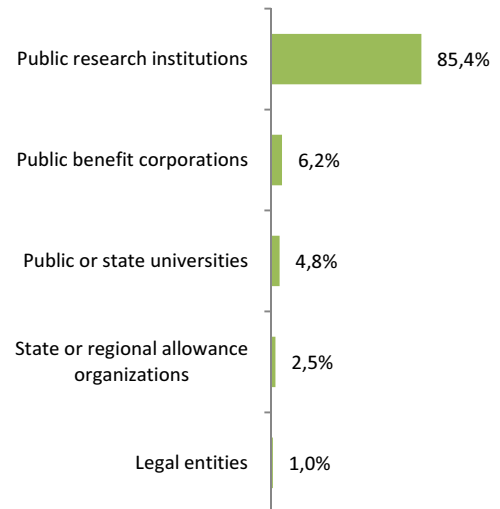
GRAPH 2.9-3: Exploration and exploitation of space (SEO 09) – structure by the type of funding; 2009



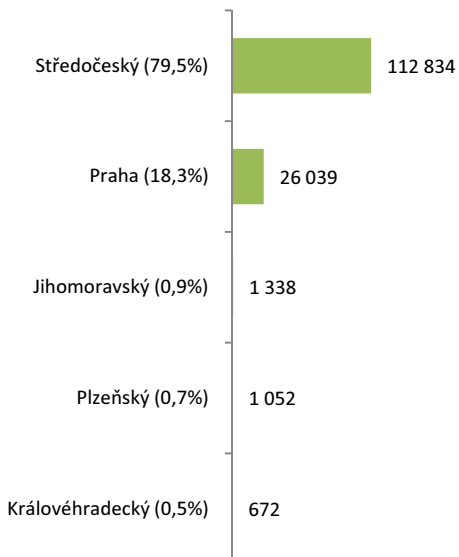
GRAPH 2.9-4: Exploration and exploitation of space (SEO 09) – by providers (%); 2009



GRAPH 2.9-5: Exploration and exploitation of space (SEO 09) – by beneficiaries (%); 2009



GRAPH 2.9-6: Exploration and exploitation of space (SEO 09) – by regions (% and mil. CZK); 2009



GRAPH 2.9-7: Exploration and exploitation of space (SEO 09) – average annual growth rate; 2005–2009

