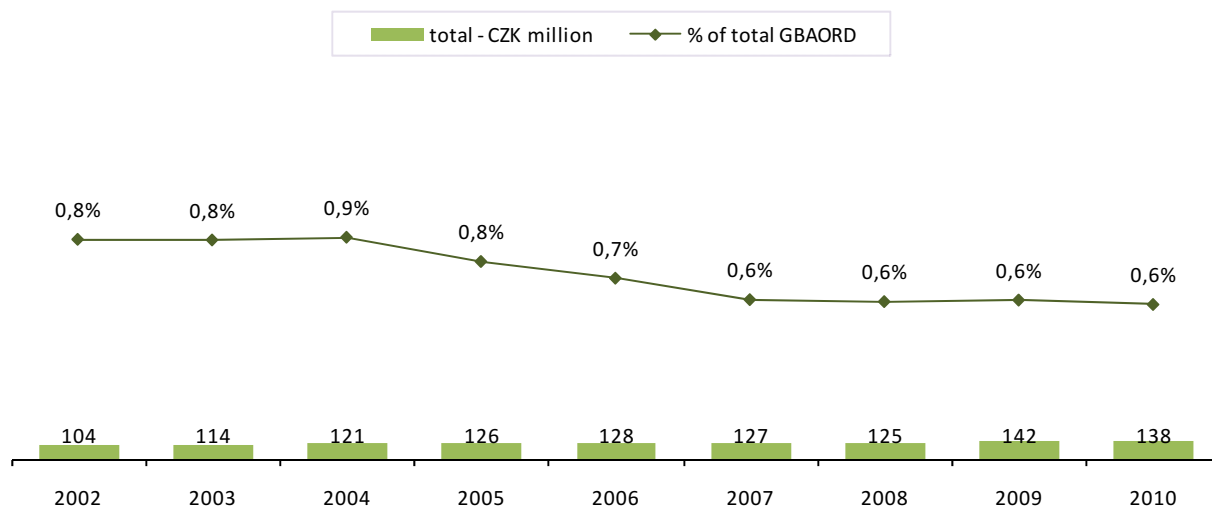


2.9 EXPLORATION AND EXPLOITATION OF SPACE (SEO 09)

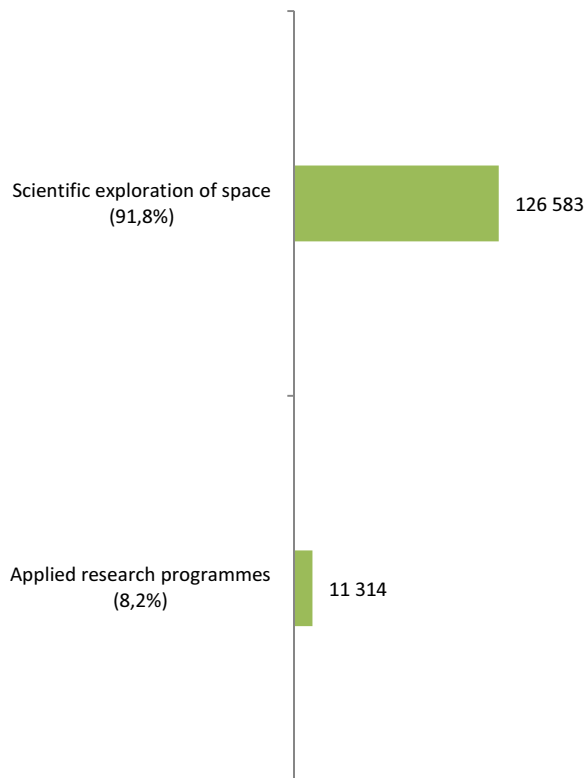
The socio-economic objective includes all civilian space research and related technologies. This includes satellite and launcher programs. Adequate space research in the field of defense (military) is classified by socio-economic objective SEO 13.

- 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 and then in 2010 slightly decreased to CZK 138 million. The proportion of this socio-economic objective in total GBAORD was gradually falling and reached 0.6% in 2008. The share stagnated at level 0.6% in 2009 and 2010. The largest proportion (0.9%) of this objective was recorded in 2004. The average annual growth in the period 2002–2009 amounted to 3.6%.
- Only two subcategories within SEO 09 received funding in 2010. The largest funding (CZK 126,583 thousand) was allocated to scientific exploration of space (SEO 0901), which amounted to 91.8% of the total SEO 09 funding. Much less (CZK 11,314 thousand; 8.2%) went into applied research programmes (SEO 0902). The remaining subcategories were not supported in 2010. Also, no research projects were conducted in these areas in the given period 2002–2010.
- In the period 2005–2010, the highest average annual growth in funding was recorded for SEO 0901 – Scientific exploration of space (an annual increase of 4.5%). In contrast, the only remaining objective, SEO 0902 – Applied research programmes, saw annual decline (a decrease of 13.1%).
- Institutional funding (57.5%) prevailed over targeted funding (42.5%). Both socioeconomic objectives were financed by means of institutional and targeted funding. Research in SEO 0901 – Scientific exploration of space was supported with CZK 79,244 million of institutional funding, which corresponded to 62.6% of total SEO 0902 finding. The share of institutional in SEO 0901 – Applied research programmes was reached 1% (CZK 115 thousand).
- Research and development in space was largely financed through the budget of the Academy of Sciences of the Czech Republic (CZK 85,409 thousand; 61.9% of the total SEO 09 funding), followed by the Ministry of Education, Youth and Sports (CZK 29,227 thousand; 21.2%) and the Grant Agency of the Czech Republic (CZK 23,261 thousand; 16.9%). In case of the Academy of Sciences of Czech Republic, the institutional funding reached 92.8% (CZK 79,244 thousand). The Ministry of Education, Youth and Sports support research in this socioeconomic objectives with institutional funding of CZK 115 thousand (only 0.4% of the total support of this provider).

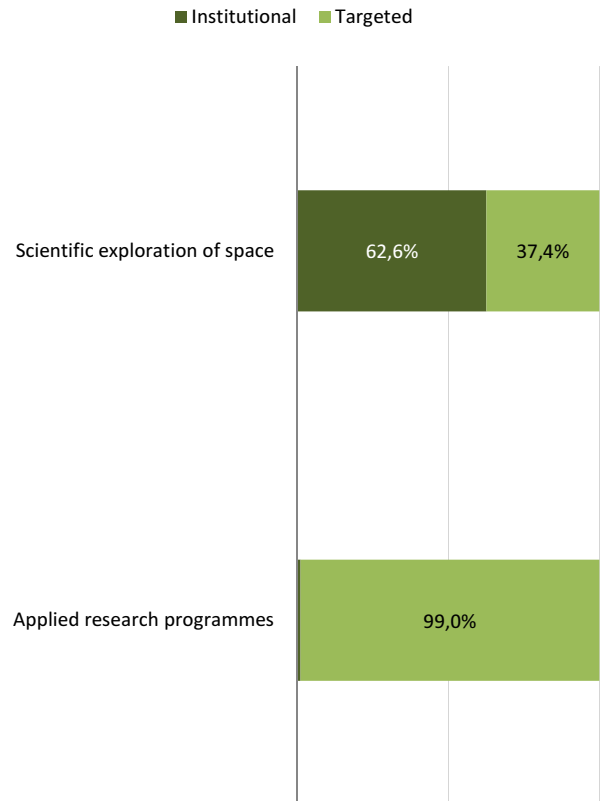
GRAPH 2.9-1: Exploration and exploitation of space (SEO 09) in mil. CZK and as % of total GBAORD; 2002–2010



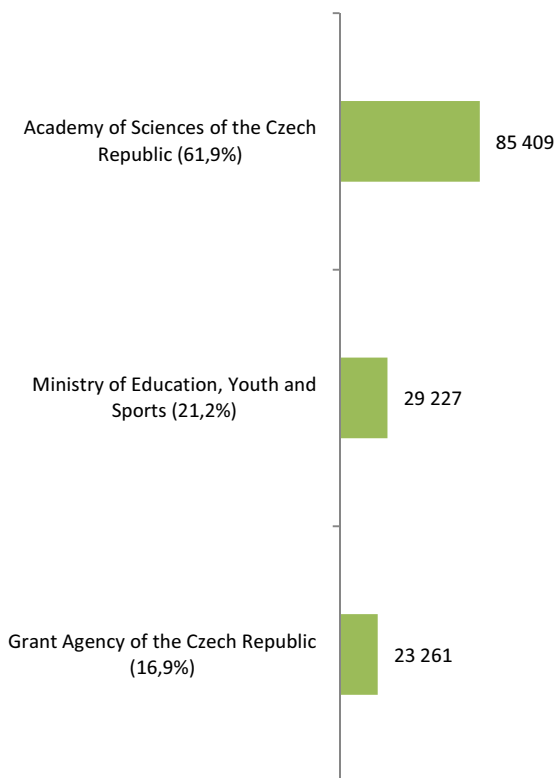
GRAPH 2.9-2: Exploration and exploitation of space (SEO 09) – objectives by NABS1992 (% and CZK thousand); 2010



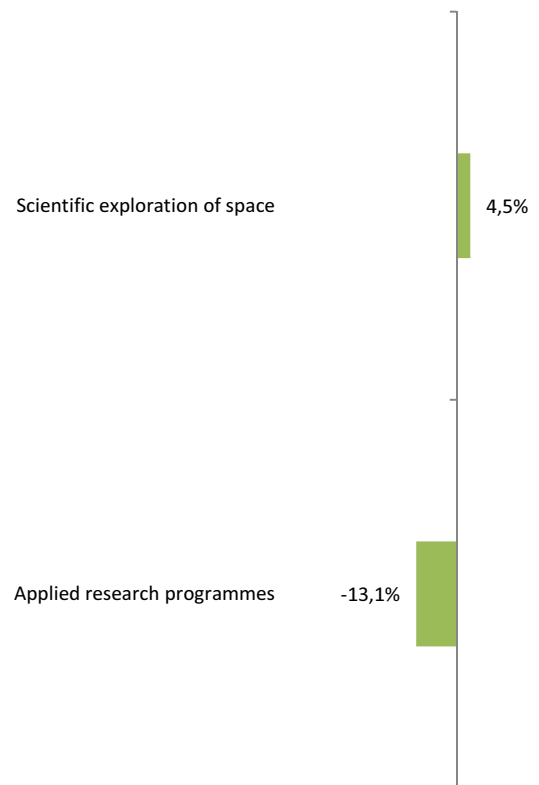
GRAPH 2.9-3: Exploration and exploitation of space (SEO 09) – the structure by the type of funding; 2010



GRAPH 2.9-4: Exploration and exploitation of space (SEO 09) – the support by providers (% and CZK thousand); 2010



GRAPH 2.9-5: Exploration and exploitation of space (SEO 09) – the average annual growth rate; 2005–2010



NOTE: In graphs 2.9-2 and 2.9-4, the proportions of SEO 09 are in brackets.