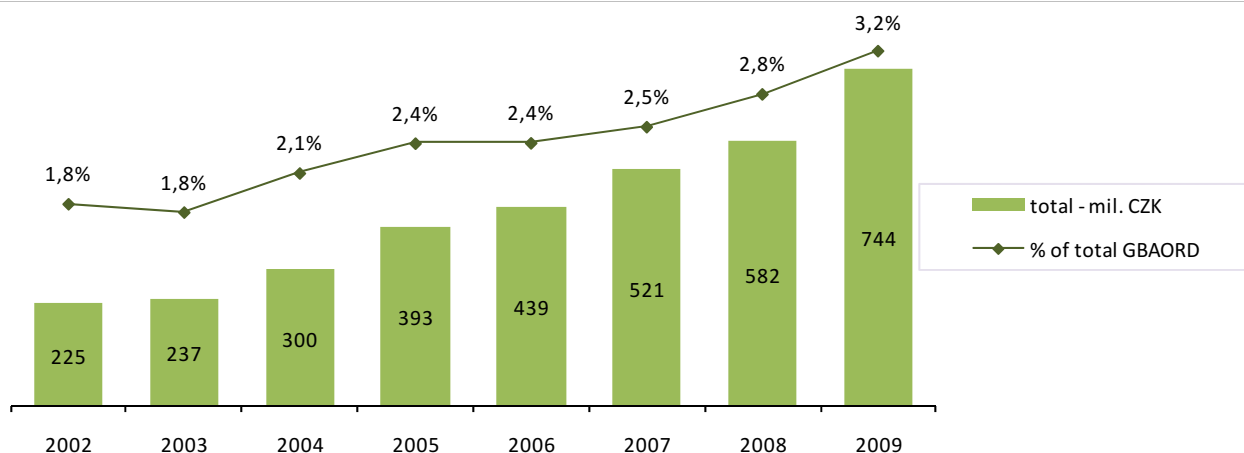


2.5 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY (SEO 05)

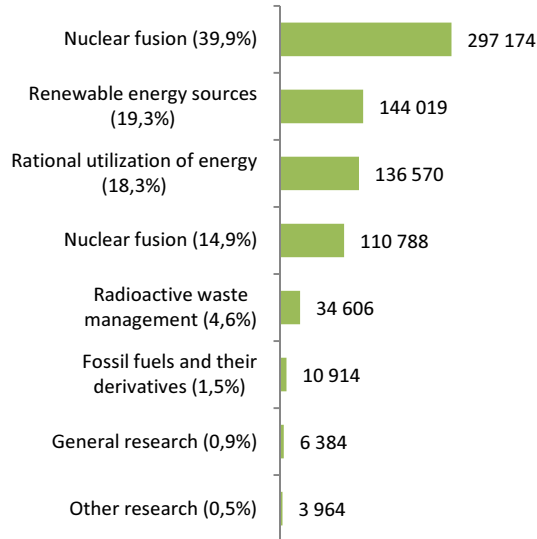
The socio-economic objective includes research on production, storage, transmission, distribution and rational utilization of all forms of energy, as well as research processes aimed at increasing the efficiency of production and distribution of energy and studies of its conservation.

- Expenditures on research and development in production, distribution and rational utilization of energy have grown every year since 2002. Average annual growth rate reached 18.7% between 2002 and 2008. In addition, the share of this socio-economic objective on the total GBAORD has been increasing (from 1.8% in 2002 to 3.2% in 2009). However, the years 2003 and 2006 have to be excluded as the share on total GBAORD stagnated then.
- Most of the funds in SEO 05 were directed to R&D in nuclear fission (CZK 297,174 thousand). The proportion was 39.9% in 2009. This is followed by R&D in renewable energy sources (CZK 144,019 thousand; 19.3%), where the sub-category SEO 05054 – Research into biomass conversion received the largest funding (CZK 114,754 thousand; 79.7% of the total SEO 0505 funds). The share of R&D in the rational utilization of energy reached 18.3% (CZK 136,570 thousand). The smallest funding went to R&D in fossil fuels and their derivatives (CZK 15,323 thousand; 2.6%), if SEO 0509 – Other research (0.5%) and SEO 5000 – General research (0.9 %) are not taken into account.
- In the period 2005–2009, the highest average annual growth in support was recorded for SEO 0501 – Fossil fuels and their derivatives (65.1%), while the largest average annual decline was found in General research (-36.9%) and Other Research (-25.2%).
- Project funding played the dominant part in funding the research and development of this objective from the state budget (CZK 688,319 thousand; 92.5%). The only exception to this rule was SEO 0504 – Nuclear fusion, where institutional funding accounted for 50.6% (CZK 56,100 thousand) of funds allocated in this sub-category.
- The largest funding for research and development in this socio-economic objective was provided by the Ministry of Industry and Trade (CZK 522,251 thousand; 70.2%) and the Ministry of Education, Youth and Sports (CZK 186,191 thousand; 25.0%). On the other hand, the smallest funding was granted by the Academy of Sciences and the Ministry of Environment with the aggregate share of 0.8% (CZK 5,622 thousand). A proportion of 1.1% was given by the State Office for Nuclear Safety (CZK 8,500 thousand). Only the Ministry of Education, Youth and Sports provided the SEO 05 with institutional funding of CZK 56,100 thousand.
- Legal entities, especially enterprises, were the major beneficiaries of funding within SEO 05 in 2009. Their share of funding for R&D amounted to 86.6% (CZK 644,069 thousand). This amount can be further divided into 91.3% of project funding and 8.7% of institutional funding. Apart from legal entities, other beneficiaries were granted only project funding. Public research institutions received the total of 6.3% and state universities received 5.7%.
- Unlike in the previous socio-economic objectives, most of the funds in SEO 05 (CZK 380,706 thousand) went to the Středočeský Region with the proportion of 51.1%. This was the only region in which the R&D in SEO 05 was funded also through institutional funding. In the remaining regions, project funding was the only form of funding. The second most supported region within research in this area was the capital city of Prague. Its share reached 16.5% (CZK 122,775 thousand). The smallest funding for R&D in this field was obtained in the Zlínský Region (only 0.1%).

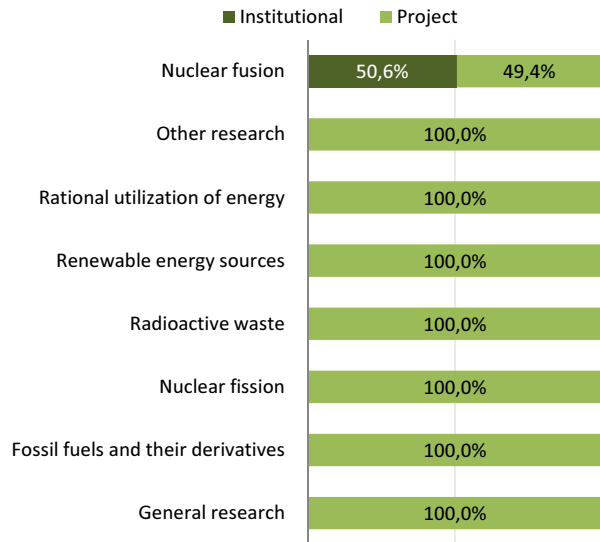
GRAPH 2.5-1: Production, distribution and rational utilization of energy (SEO 05) in mil. CZK / as % of total GBAORD; 2002–2009



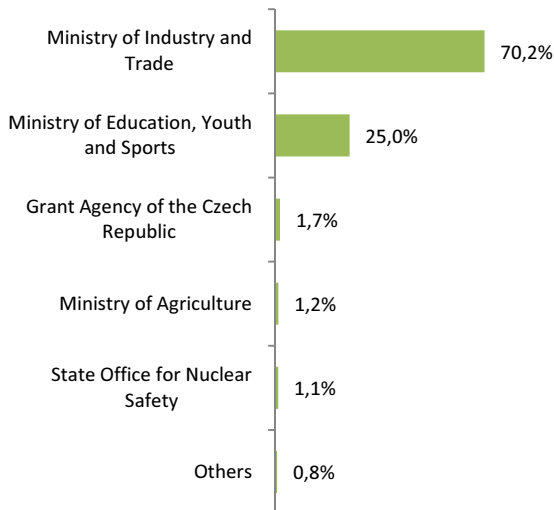
GRAPH 2.5-2: Production, distribution and rational utilization of energy (SEO 05) – objectives by NABS1992 (% and mil. CZK); 2009



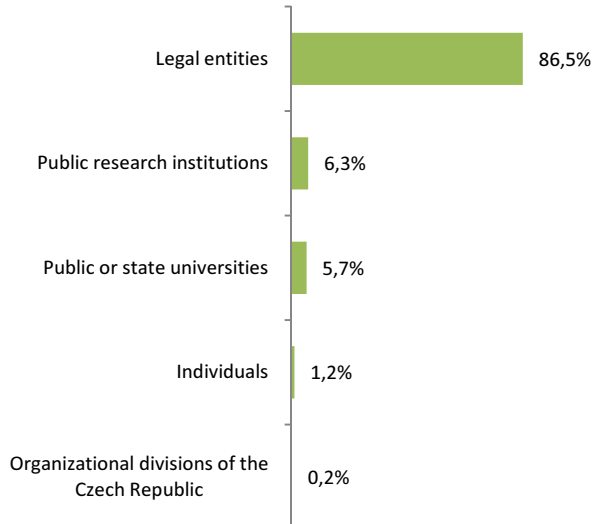
GRAPH 2.5-3: Production, distribution and rational utilization of energy (SEO 05) – structure by the type of funding; 2009



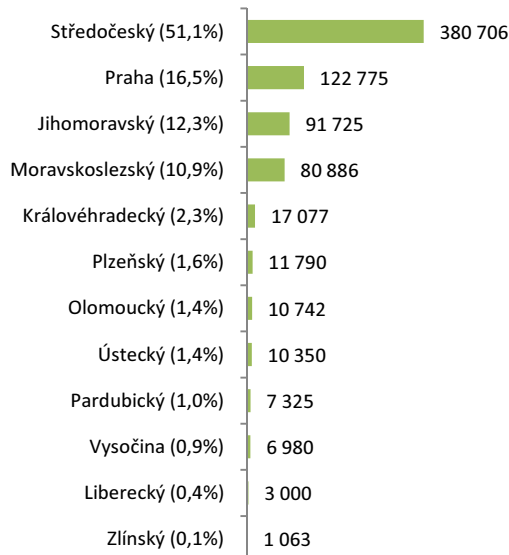
GRAPH 2.5-4: Production, distribution and rational utilization of energy (SEO 05) – by providers (%); 2009



GRAPH 2.5-5: Production, distribution and rational utilization of energy (SEO 05) – by beneficiaries (%); 2009



GRAPH 2.5-6: Production, distribution and rational utilization of energy (SEO 05) – by regions (% and mil. CZK); 2009



GRAPH 2.5-7: Production, distribution and rational utilization of energy (SEO 05) – average annual growth rate; 2005–2009

