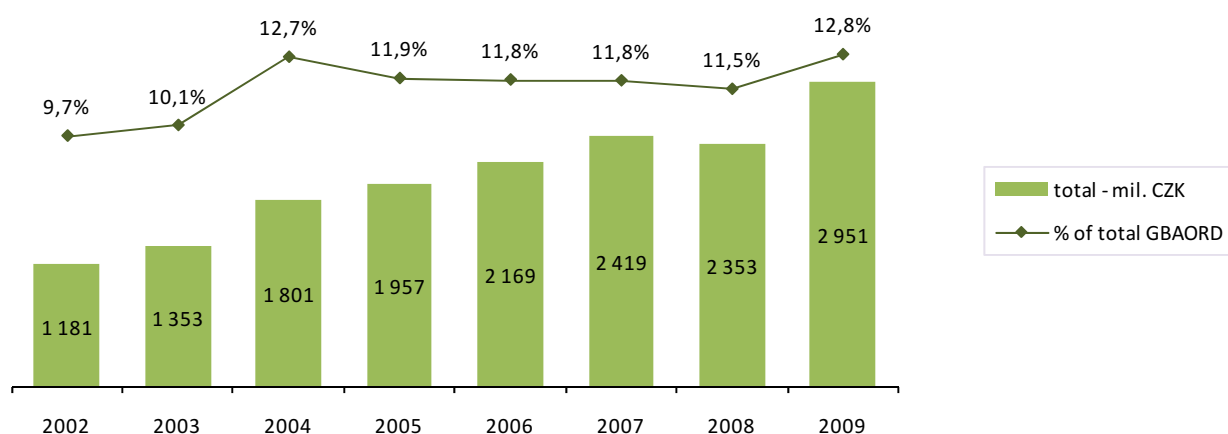


2.7 INDUSTRIAL PRODUCTION AND TECHNOLOGY (SEO 07) – part 1

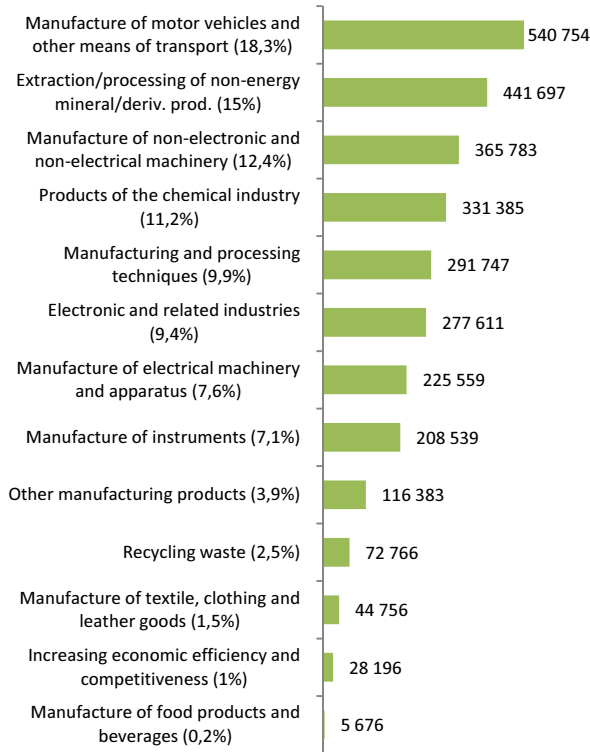
This socio-economic objective includes research on improvement of industrial production and related technologies. This includes research on industrial products and manufacturing processes. This socio-economic objective also includes various industries.

- Public funding for research and development in industrial production and technology in the period 2002–2007 grew annually. In 2008, expenditure on research declined only to rise again in 2009, when the highest proportion of total GBAORD of this objective was achieved (12.8%). The average annual growth reached 14% in the period 2002–2009.
- Most of the funds within this socio-economic objective (CZK 540,754 thousand) went into research and development on manufacture of motor vehicles and other means of transport with the proportion of 18.3% in 2009. This is followed by R&D in extraction and processing of non-energy mineral and derived products with the share of 15%. On the other hand, the smallest part of the SEO 07 funds was allocated to research and development of manufacture of food products and beverages (0.2%).
- Most of the subcategories under this objective were funded only through project funding (CZK 2,692,820 thousand; 91.3%). The largest proportion of institutional funding was recorded in research and development related to manufacture of textile, clothing and leather goods (CZK 13,321 thousand; 29.8%) and then in the case of extraction and processing of non-energy mineral and derived products (CZK 118,290 thousand; 26.8%). Manufacture of motor vehicles and other means of transport (SEO 0705) received the second highest amount of institutional funding (CZK 108,668 thousand).
- In the period 2005–2009, the highest recorded average annual growth in support was recorded for SEO 0704 – Products of the chemical industry (32.3%) and SEO 0707 – Manufacture of electrical machinery and apparatus (26.3%). On the contrary, the largest average annual decrease was found in SEO 0710 – Manufacture of food products and beverages (-21.1%)
- The Ministry of Industry and Trade was the major provider of funding for this socio-economic objective with CZK 2,383,532 thousand (80.8%). It was followed by the Ministry of Education, Youth and Sports with the share of 12.8% (CZK 377,579 thousand). The Academy of Sciences and the Czech Science Foundation provided SEO 07 with almost the same share of project funding (2.6% and 2.4% respectively). Out of the funding provided by the Ministry of Education, Youth and Sports to this objective, 51.6% of funding was through institutional funding and 48.4% was in the form of project funding.
- Not surprisingly, the most important beneficiaries of government support for research and development were legal entities. They obtained the proportion of 88.6% (CZK 2,613,870 thousand) of funding within this socio-economic objective, which is a remarkable result. That is why some other institutions were left behind, e.g. public research institutions with CZK 150,505 thousand (5.1%) and universities with CZK 129,300 thousand (4.4%). The share of all other beneficiaries equalled to 1.9% (CZK 57,177 thousand).
- In the breakdown by regions, the most significant beneficiary was the capital city of Prague with the share of 22% (CZK 649,750 thousand) of all funds allocated to SEO 07. It could be pointed out that Prague's share was not quite as dominant as in the case of the remaining objectives. The Jihomoravský region ranked second with the share of 18% (CZK 530,418 thousand) followed by the Moravskoslezský region (CZK 273,181 thousand; 9.3%).

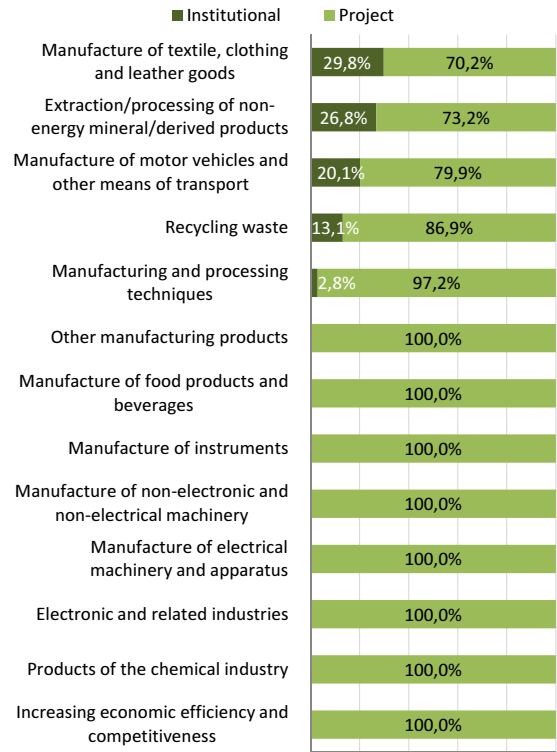
GRAPH 2.7-1: Industrial production and technology (SEO 07) in mil. CZK and as % of total GBAORD; 2002–2009



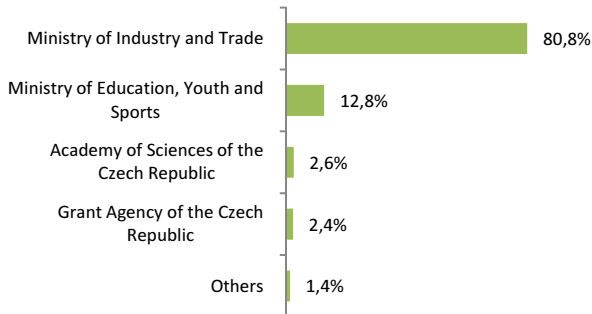
GRAPH 2.7-2: Industrial production and technology (SEO 07) – objectives by NABS1992 (% and mil. CZK); 2009



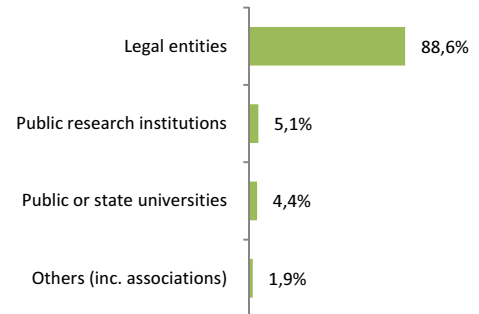
GRAPH 2.7-3: Industrial production and technology (SEO 07) – structure by the type of funding; 2009



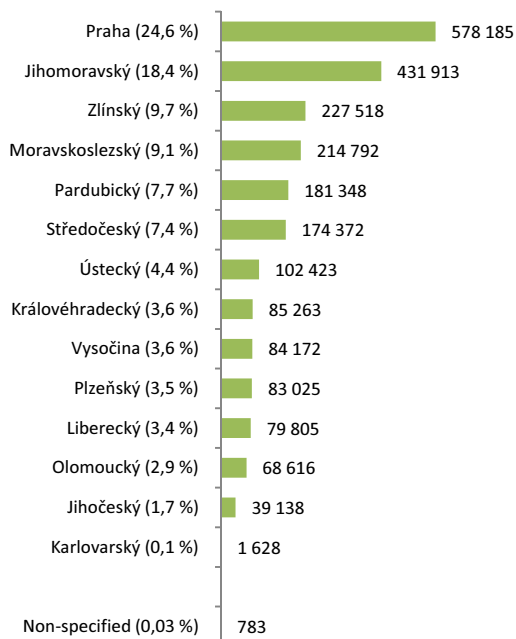
GRAPH 2.7-4: Industrial production and technology (SEO 07) – by providers (%); 2009



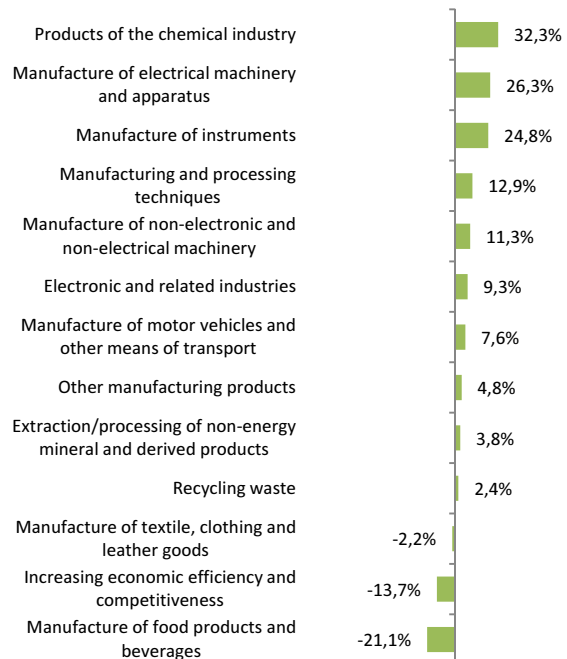
GRAPH 2.7-5: Industrial production and technology (SEO 07) – by beneficiaries (%); 2009



GRAPH 2.7-6: Industrial production and technology (SEO 07) – by regions (% and mil. CZK); 2009



GRAPH 2.7-7: Industrial production and technology (SEO 07) – average annual growth rate; 2005–2009



2.7 INDUSTRIAL PRODUCTION AND TECHNOLOGY (SEO 07) – part 2

Socio-economic objective of SEO 07 – Industrial production and technology is broken down according to NABS 1992 into subcategories, some of which are further broken down into more detailed objectives.

SEO 0704 – Products of the chemical industry

Most of the funds (CZK 262,853 thousand) within this socio-economic objective went into research and development on petrochemical and coal by-products (79.3% of SEO 0704). The second sub-goal SEO 0704-2 – Pharmaceutical products was funded with CZK 68,532 thousand (20.7%). Funding for the previously mentioned objectives was provided only through project funding. The only providers of funding were the Ministry of Industry and Trade and Ministry of Education, Youth and Sports. Beneficiaries were legal entities, public research institutions and public or state universities.

SEO 0705 – Manufacture of motor vehicles and other means of transport

Most of the funds (CZK 313,108 thousand) were allocated into research and development on aerospace equipment manufacturing and repairing (57.9% of SEO 0705-1). The second sub-goal SEO 0705-3 – Manufacture of all other equipment was supported by CZK 123,060 thousand (22.8%). The objective of SEO 0705-2 – Manufacture of motor vehicles and parts (incl. agricultural tractors) received 104,586 thousand CZK (19.3%). Two sub-objectives received funding through institutional funding – SEO 0705-1 (CZK 93,288 thousand) and SEO 0705-2 (CZK 15,380 thousand). Providers included the Czech Science Foundation, the Ministry of Industry and the Trade and Ministry of Education, Youth and Sports. Beneficiaries were legal entities and public or state universities.

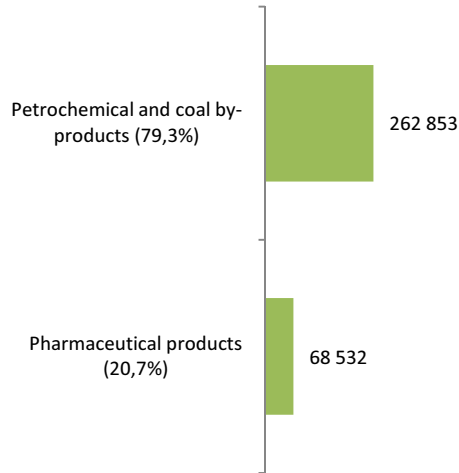
SEO 0706 – Electronic and related industries

Within this socio-economic objective, most of the funds (CZK 107,218 thousand) were dedicated for software development (38.6% in SEO 0706-3). Other objectives followed: SEO 0706-1 – Manufacture of office machinery and data processing equipment (CZK 89,022 thousand; 32.1%) and SEO 0706-2 – Manufacture of radio, television and communications equipment and apparatus (CZK 81,371 thousand; 29.3%). Providers of support were the Ministry of Industry and Trade, the Ministry of Education, Youth and Sports, the Ministry of Interior and the National Security Authority of the Czech Republic. Beneficiaries were natural persons, legal entities, public or state universities, public research institutions and consortia (associations of legal entities).

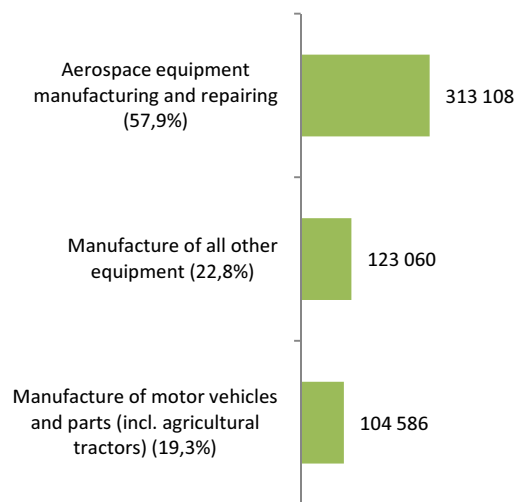
SEO 0709 – Manufacture of instruments

Most of the funds (CZK 142,602 thousand) were allocated to research and development on manufacture of medical and surgical equipment and orthopedic appliances (68.4% of SEO 0709-1). Apart from that, the only objective which received some funding was SEO 0709-2 – All other instrument manufacture production of all other equipment and tools (CZK 65,937 thousand, 31.6%). These objectives received their funding only through project funding from the Czech Science Foundation, the Ministry of Industry and Trade and the Ministry of Education, Youth and Sports. Beneficiaries were natural persons, legal entities and public or state universities.

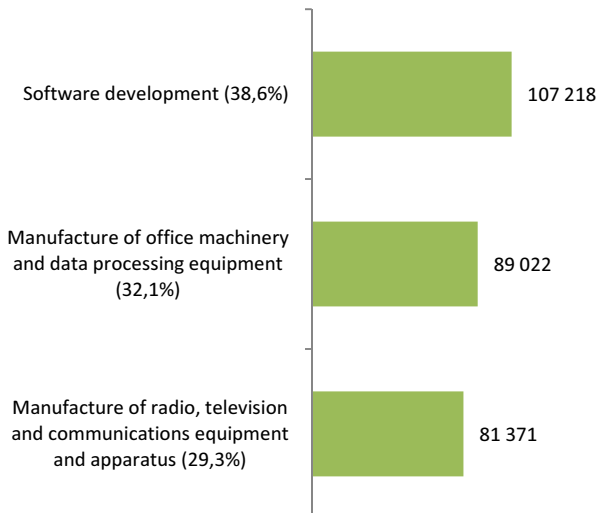
GRAPH 2.7-8: Products of the chemical industry (SEO 0704) – objectives by NABS1992 (% and mil. CZK); 2009



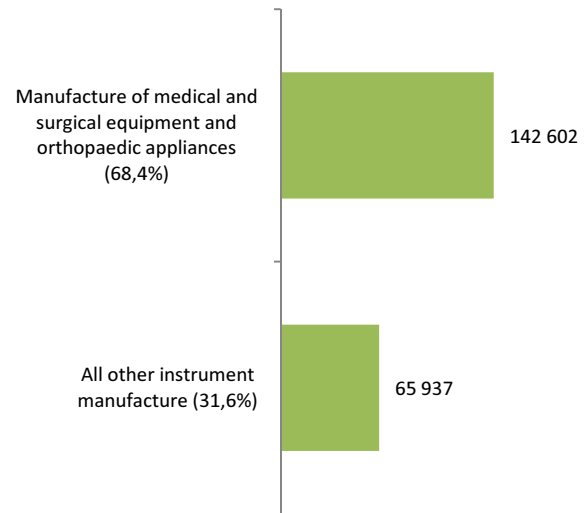
GRAPH 2.7-9: Manufacture of motor vehicles and other means of transport (SEO 0705) – objectives by NABS1992 (% and mil. CZK); 2009



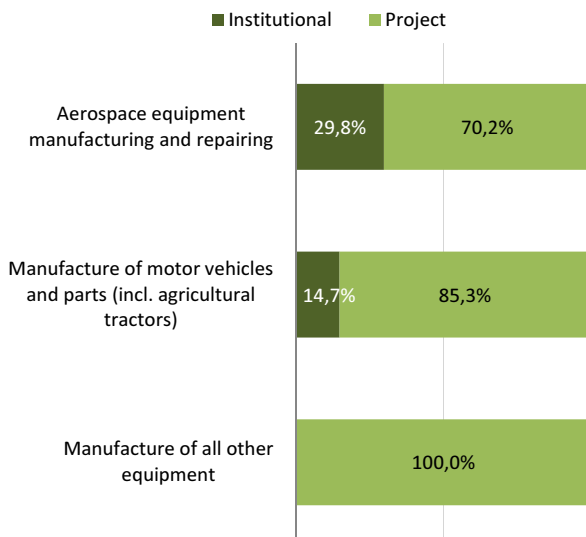
GRAPH 2.7-10: Electronic and related industries (SEO 0706) – objectives by NABS1992 (% and mil. CZK); 2009



GRAPH 2.6-11: Manufacture of instruments (SEO 0709) – objectives by NABS1992 (% and mil. CZK); 2009



GRAPH 2.7-12: Manufacture of motor vehicles and other means of transport (SEO 0705) – structure by the type of funding; 2009



GRAPH 2.7-13: Manufacture of motor vehicles and other means of transport (SEO 0705) – by providers (%); 2009

