

*Research and Development Council*

Prague  
2004

Research and Development Council

Published by: © Office of the Government of the Czech Republic, 2004  
Research and Development Council  
nábřeží Edvarda Beneše 4, 118 01 Prague 1

Produced by: Office of the Government of the Czech Republic

ISBN 80-86734-34-x

---

# *From the Policy Statement of the Government of the Czech Republic*

## *August 2004*

*The list of priorities which the Government shall concentrate on contains, inter alia, the support of science, research and education through the development of knowledge-based society, by extending access for citizens to life-long learning and by a higher investment of the state in science, research and development. This programme priority is amplified in the following chapters as follows:*

### **4.2 Research, Development, and Innovation**

*The Government shall consider research and development results to be one of the decisive factors for not only the general development of knowledge-based society but also for economic growth and strengthening competitiveness, thus the results of public research institutes and colleges shall play an irreplaceable role in such development.*

*In 2005 the Government will set forth long-term basic directions of research, development and innovation for those areas which are the most important for the development of Czech society and its economy. At the same time the aim is to ensure a rapid and purposeful transfer of research and development results into real innovations of technical and technological processes.*

*The Government will direct its efforts towards developing science, research, and development both at universities and other research institutions. It will focus on supporting convergence of the programmes of non-university institutions with university-based research and development whilst considering as crucial the enhanced cooperation of universities and the Academy of Sciences of the Czech Republic.*

### **6.1 Research and Development**

*The Government will create conditions for developing knowledge-based society where research and development along with education will have unambiguous priority. The integral factor of such efforts will be both creating space for investment growth in this comprehensive scientific area as a whole, and optimising its management, aimed at operational integration of its components.*

*Government policy will concentrate on supporting the complete involvement of the Czech Republic in the European Research Area and decision-making processes relating to research and development in the European Union. The Government will draw up a comprehensive strategy for supporting research and development and propose increasing state budget funding for research and development so that expenditure from public funds for research and development will amount to 1% of GDP until 2010. Through tax policy instruments the Government will create an environment motivating the private sector, including foreign investors, to take a substantially higher share in funding research and development.*

*The Government will develop a comprehensive strategy for supporting research and development arising from the National Research and Development Policy and the National Research Programme.*

*The Government will strive for the harmonised development of science, research and development at universities as well as at other research institutions, in particular the Academy of Sciences of the Czech Republic. In compliance with current European trends the Government will*

---

*take care in order that support of basic research does not lag behind. It will focus on the convergence of non-university institutions with university-based research and development whilst considering as crucial the enhanced cooperation of universities and the Academy of Sciences of the Czech Republic.*

*The government will put an emphasis on development of research on society in general and in particular on the principles of a democratic and socially just society as one of the prerequisites for developing and cultivating civil society and population of the republic, and innovating state administration. An emphasis on regular and objective evaluation of research and development results, which is one of the decisive criteria for the further allocation of financial subsidies for research and development from public funds, will be a part of Government policy as well.*

# *Table of Contents*

<b>1 Research and Development Council</b>	<b>6</b>
Scope of Competencies and Tasks	6
Members of the Council	6
Secretariat of the Council	7
Establishment of the Council	7
<b>2 Activities of the Council from 1992 until 2004</b>	<b>8</b>
The Most Important Results of the Research and Development Council in 2004	10
Research and Development in the Czech Republic and the European Union	11
<b>3 Principal Objectives of the Council</b>	<b>13</b>
Specification and Distribution of State-funded Support of Research and Development	13
Research and Development Information System	14
Long-term Tasks	17
Cooperation with Other Bodies and Institutions	18
<b>4 Advisory and Working Bodies of the Research and Development Council</b>	<b>20</b>
<b>5 Composition of the Research and Development Council and Its Secretariat</b>	<b>22</b>
Members of the Research and Development and Council	23
Biographies of the Members of the Research and Development Council	24

# *Research and Development Council*

## *Scope of Competencies and Tasks*

The Research and Development Council (hereinafter referred to as the "Council") is, pursuant to the provisions of Section 35 of Act No.130/2002 Coll. on the support of research and development from public funds and on the amendment to some related acts (the Act on the Support of Research and Development), an expert and advisory body to the Government in the field of research and development, and meets assignments under this Act, in particular it:

- a) draws up long-term fundamental trends and schemes for the development of research and development in the Czech Republic through its advisory bodies, which have been established as professional commissions involved in respective trends of research and development;
- b) processes regular annual analyses and assessments of the research and development situation in the Czech Republic, compares them with foreign countries and submits them to the Government;
- c) plays the role of administrator and operator and approves the rules for the operation of the Research and Development Information System;
- d) processes opinions concerning research and development documents relating to research and development work submitted to the Government;
- e) conducts negotiations with the advisory bodies of the European Communities on research and development and with research and development councils of individual Member States of the European Communities and other countries;
- f) meets other tasks and duties set out in the Act and special legal regulations, or those imposed by the Government;
- g) draws up a mid-term draft outlook for research and development support; and

- h) estimates the total costs of research and development covered from individual budget chapters and proposes their allocation.

Other details concerning activities carried out by the Council are regulated by the Statutes of the Council approved by the Government.

## *Members of the Council*

The Council consists of fifteen members including the Chairperson. The members of the Council, with the exception of the Chairperson, are appointed by the Government on the basis of a proposal made by the Chairperson. Council members, except for the Chairperson, hold their office for a period of four years. A member of the Research and Development Council may be appointed for no more than two successive periods and he/she is irreplaceable.

The Council members are appointed by the Government from representatives of institutions engaged in research and development (such as the Academy of Sciences of the Czech Republic, universities and research institutions established by ministries as well as other research institutes), from representatives of administrators of relevant budget chapters and local governments providing support for research and development from public funds, or from representatives of professional public.

The Council is presided over by the Chairperson who is a member of the Government and who is appointed as well as discharged by the Government on the basis of a proposal made by the Prime Minister. The Chairperson of the Council is accountable to the Government for the activities carried out by the Council and forms a liaison between the Government and the Council as its advisory body.

The Board of the Council consists of the Chairperson of the Council and three Vice-Chairpersons elected from among the members of the Council. The Board in particular manages

the activities of the Council between its sessions, assesses and approves supporting documents and draft-agendas of the sessions of the Council, as well as co-ordinates activities carried out by expert commissions and advisory bodies to the Council which draw up proposals of long-term basic trends and schemes of development for research and development in the Czech Republic.

### *Secretariat of the Council*

The Council is supported by the Secretariat of the Council which also participates in its activities and is subordinate to the Department of Research, Development and Innovations of the Office of the Government of the Czech Republic. It is divided into the Unit of Research and Development Budget and the Unit of Research and Development Information System. The Department Director, who is also the Secretary of the Council, manages and is responsible for the activities of the Secretariat. In compliance with the Act on Research and Development Support and Government Resolution No. 267/2002 Coll. on the Information System of Research and Development, the Secretariat of the Council meets the function of operator of the research and development information system.

### *Establishment of the Council*

The Council of the Government of the Czech Republic for Scientific Activities and Development of Technologies, as a professional and advisory body of the Government in the field of sciences and technological development, was established in 1992 by Act No. 300/1999 Coll., of the Czech National Council, on Scientific Activities and Development of Technologies. The name of the Council was changed to the Research and Development Council of the Government of the Czech Republic by Act No. 1/1995 Coll. amending and supplementing the original act published as the Act on State Support of Research and Development (further amended by Act No. 220/2000 Coll.).

In 2002 the Act on the Support of Research and Development, through which **the Research and Development Council** was set up as a professional and advisory body of the Government, was included into the legal framework of the Czech Republic.

## *Activities of the Council from 1992 until 2004*

During the first years after the establishment of the Council at the end of 1992, until the adoption of the initial Principles of the Government for Research and Development in 1994, the Council devoted its attention mainly to preparing and enforcing the principal strategy for research and development in the wake of social and economic changes in 1989 and the subsequent establishment of the Czech Republic. It substantially participated in the establishment of the Czech Republic Grant Agency and has since permanently cooperated with it. Through public tenders on "standard" research and development projects, the subjects of which are selected by the beneficiaries who propose relevant projects, the Czech Republic Grant Agency enabled the support of the best projects from all scientific branches irrespective of their legal form or the ministry or the department under which the holder of the project worked.

With the establishment of the Central Register of Research and Development Projects in 1993, the Council laid the basis for building up a research and development information system which is being developed on an ongoing basis.

In 1994 – 1996 the Council focused predominantly on targeted financing of and on drawing up related legal regulations. It proposed an amendment to the Czech National Council Act No. 300/1992 Coll. – Act No. 1/1995 Coll. on State Support of Research and Development which, in particular, introduced terms and conditions for public procurement for allocating targeted state funds for research and development and also harmonised terminology with OECD countries.

In the first half of 1997 the Government adopted new Principles of the Government for Research and Development, placing an emphasis mainly on the fact that the system as well as the amount of state support and legal regulations and all other documentation for this area had been defined taking into account the future accession of the Czech Republic to the European Union. One of

the objectives which was set out by the Government in these principles was to increase, regularly and according to the possibilities provided by the Czech economy, direct financial support for research and development so that this support, once the Czech Republic was to join the European Union, accounted for at least 0.7% of the gross domestic product. Another important step in meeting the new principles was the formulation of the "Rules for Assessment of Research Objectives and Results of Organisations for Providing Institutional Support for Research and Development".

In 1998 the "Principles of Scientific Policy of the Czech Republic at the turn of the 21<sup>st</sup> Century" were drawn up. This document was adopted by the Government as the principal conceptual document which would be followed up by the national research and development policy based on the needs of the Czech Republic and comparable with research and development policies of EU Member States.

One of the major supporting documents needed for drafting the National Research and Development Policy was, in 1999, the "Analysis of Previous Trends and the Current Situation in Research and Development in the Czech Republic". The Government assigned the Ministry of Education, Youth and Sports in cooperation with the Academy of Sciences of the Czech Republic and other bodies and institutions the task of drawing up the document in question.

In 1999 the Council significantly participated in outlining a programme entitled "Research Centres" as a new element of research and development support in the Czech Republic.

At the beginning of 2000 the Government approved the "National Research and Development Policy of the Czech Republic". The draft policy was submitted by the Ministry of Education, Youth and Sports and the Council along with other bodies and institutions.



The 2000 National Research and Development Policy of the Czech Republic articulated the principal attitude of the state towards research and development for forthcoming years and laid down the principles of the Government in the field of research and development. Addressed to government bodies and civil servants, research and development institutions and researchers, it was a comprehensive set of information for EU and OECD bodies and was a response to the declaration of the world conference on sciences known as "Science for 21<sup>st</sup> Century". The Council repeatedly discussed with the Office for the Protection of Economic Competition the application of Act No. 59/2000 Coll. on Public Support which considerably impacted the process of providing state support to research and development.

In compliance with the "Rules for Assessment of Research Objectives and Results of Organisations for Providing Institutional Support for Research and Development" the assessment of research objectives was made at the level of the Council.

The Government decided by its Resolution, through which the "National Research and Development Policy of the Czech Republic" was approved, on drawing up two separate acts – a new Act on Research and Development and an Act on Public Research Institutions. The government also required draft National Research Oriented Programme to be drawn up.

A new act on research and development, Act No. 130/2002 Coll., on the support of research and development from public funds and on the amendment to some related acts (the Act on the Support of Research and Development), was drawn up by the Council in cooperation with the Ministry of Education, Youth and Sports and a number of other involved bodies and institutions with respect to the forthcoming accession of the Czech Republic to the European Union. The Act regulates the system of research and development support from public funds, public tenders in research and development, procedures of research objective assessment, the provision of information on research and development, and it stipulates the rights,

obligations and assignments of bodies, authorities and institutions involved in research and development. Tasks and position of the Council were also newly defined. The Act came into effect on 1 July 2002.

The three subsequent implementing regulations – Government Regulations - were drawn up in relation to Act 130/2002 Coll. The Council submitted the draft Government Regulation on the research and development information system, and the Ministry of Education, Youth and Sports submitted the draft Government Regulation on targeted support of research and development from public funds and on public tenders in research and development and the draft Government Regulation on institutional support of research and development covered from public funds and on the assessment of research objectives.

The Council annually draws up the "Analysis of Previous Trends and the Current Situation in the Research and Development in the Czech Republic and their Comparison with Abroad", which is presented to the Government.

The Council has also annually prepared for the Government proposals for state budget funding to be used for the support of research and development and submits to the Government the Report on its activities.

The Council provided for assessment of the research and development programmes proposed and published by the Czech Republic Grant Agency by central state administration bodies (under Act No. 300/1992 Coll.) and formulated governmental positions on research and development programmes in accordance with the Act on the Support of Research and Development) and elaborated a new strategy the research and development information system. It also appraised documents necessary to submit grant projects published by the Czech Republic Grant Agency.

### *The Most Important Results of the Research and Development Council in 2004*

- The Draft Act on Public Research Institutions and on the Amendment to Some Other Related Acts (the Act on Public Research Institutions) was submitted to the Government;
- the published programme entitled "Research and Development Information System", approved by Government Resolution No. 376 of 21 April 2004 approving also its implementation;
- cooperation with the Ministry of Education, Youth and Sports on the document "Accession of the Czech Republic to the Action Plan for Europe and other EU documents Pertaining to Research and Development", approved by Government Resolution No. 513 of 26 May 2004;
- the document entitled "Evaluation of Research and Development and its Results", approved by Government Resolution No. 644 of 23 June 2004;
- methodology for evaluating research and development drawn up along with the Ministry of Education, Youth and Sports under Government Resolution No. 644 of 23 June 2004;
- draft expenditure for research and development in 2005 and mid-term forecast of state budget expenditure until 2007, relating to the 2005 Draft Act on the State Budget of the Czech Republic, the draft mid-term forecast of the state budget of the Czech Republic for the years 2006 and 2007 and to the draft mid-term expenditure framework for the years 2006 and 2007, approved in its final version by Government Resolution No. 907 of 21 September 2004;
- opinion on the documentation necessary for submitting proposals for standard, doctoral and post-doctoral grant projects of the Czech Republic Grant Agency;
- the proposal to appoint the Chairperson and members of the Board of the Czech Republic Grant Agency;
- elaboration of opinions on draft research and development programmes of individual ministries;
- cooperation with the Ministry of Education, Youth and Sports on drawing up the National Research Programme II;
- long-term fundamental directions drafted on research for public discussion;
- control of inclusion and accessibility of data of the Research and Development Information System on 5,542 projects, 482 research objectives, 54,517 results of research and development, and 124 tenders in research and development;
- putting into operation the Research and Development Information System until 2008 under the Act on Public Procurement;
- cooperation on drawing up the Act on Research on Human Embryonic Cells;
- drawing up opinions on evaluation programmes carried out by the Ministry of Industry and Trade and the Ministry of Agriculture; and
- adjustments and extension of web sites **[www.vyzkum.cz](http://www.vyzkum.cz)**.

In relation to the appointment of the new Government, the Deputy Prime Minister for Economy, Mr. Martin Janů, has become the Chairman of the Council.

The objectives of the new Government vested in its policy statement showed that new requirements will be placed on the Council with regard to the effort of the Government to increase the contributions of research and development towards the growth of the economy and its competitiveness and tackle the issues of innovation. In order that the Council could meet new tasks better, the Government has decided on changing its members. The newly composed Council will submit to the Government a proposal on altering its principal documents, namely its Statute and Rules of Procedure. The complete composition of the Council, including photographs and shortened CVs of its members, are to be found at the end of this publication.

### *Research and Development in the Czech Republic and the European Union*

One of the areas within the scope of competencies of the Council is to conduct negotiation with advisory bodies for research and development of the European Communities (hereinafter referred to as the "EC") and with Research and Development Councils of the EC Member States as well as of third countries. Members of the Council participate every year in a working meeting of representatives of Research and Development Councils and their Secretariats of the EU Member States and candidate countries. A meeting of representatives of governmental advisory bodies for research and development will be held in 2006 in Prague and the Council has been authorised to prepare it. Members of the Council and staff of the Department of Research, Development and Innovation actively participate in meetings of the European Strategy Forum on Research Infrastructures – ESFRI.

As an advisory body and on the basis of cooperation with the Ministry of Education, Youth and Sports, the Council enforces in practice measures proposed by the European Commission in the field of research and development. Such proposed measures could lead in reality to increasing expenditure allocated for research and development both from public and private sources, until 2010 up to 3% of GDP for all EU Member States.

The Council prepares, discusses and unifies, on an ongoing basis, its opinions on the following topics of the European Research Area:

- expenditure for research and development from public and private sources;
- coordination of EC research and development policies;
- participation in EU framework programmes;
- technological platforms;
- Community patent and copyright protection enforcement;
- research and development infrastructure;
- basic research;

- biomedical research and biotechnologies;
- cosmic space policy;
- security research, and so forth.

The Council pays permanent attention to the issues of the Lisbon process and to the Czech Republic's membership in the EU. Information on research and development in the EU is regularly included in the agenda of Council meetings.

The Ministry of Education, Youth and Sports submitted to the Government together with the Council a document responding to the document issued by the European Commission and known as "Invest into Research: Action Plan for Europe", which includes a consistent set of measures adopted in order to increase investments in research and development, with the aim not to lag behind principal competitors of Europe. The Government of the Czech Republic by its Resolution No. 513 of 26 May 2004 approved the accession of the Czech Republic to the Action Plan for Europe and other EU documents pertaining to the field of research and development, and at the same time it required by its aforementioned Resolution to refine priority measures of the "Action Plan for Europe" in terms of their importance for the Czech Republic.

In February 2004 the Council organised a "monothematic" session focusing on research and development in the Czech Republic in relation to Czech Republic's accession to the EU, to which interested guests were invited. The following topics were discussed: the Czech Republic in the wake of its accession to the EU in the field of research and development; the Czech Republic's EU membership ensured in terms of institutions; the presidency of the Czech Republic of the EUREKA Programme, the Lisbon process and research and development; Invest into Research - Action Plan for Europe; the European Initiative for Growth; the Report of the European Commission on Meeting the Lisbon Strategy; Europe and basic research; the Programme of the Irish Presidency; research and development in the Czech Republic and in the EU; assignments of the Council arising from the Czech Republic's membership in the EU; accession of the Czech Republic to the Action Plan and other EU tasks; the proposal for the

Council's share in the Action Plan; cooperation with the European Science Foundation, and issues of participation of the Czech Republic in the EU Framework Programmes.

Principal and up-to-date information on the activities of the Council is published on the website of research and development state administration of the Czech Republic  
[„http://www.vyzkum.cz“](http://www.vyzkum.cz).

## *Principal Objectives of the Council*

### *Specification and Distribution of State-funded Support of Research and Development*

Pursuant to the Act on the Support of Research and Development, the principal objectives of the Council include elaboration of the draft mid-term prospects of research and development support as well as compilation of the proposed amount of total expenditure on research and development from individual budget chapters and its proposed allocation (under Section 5 of the Act cited).

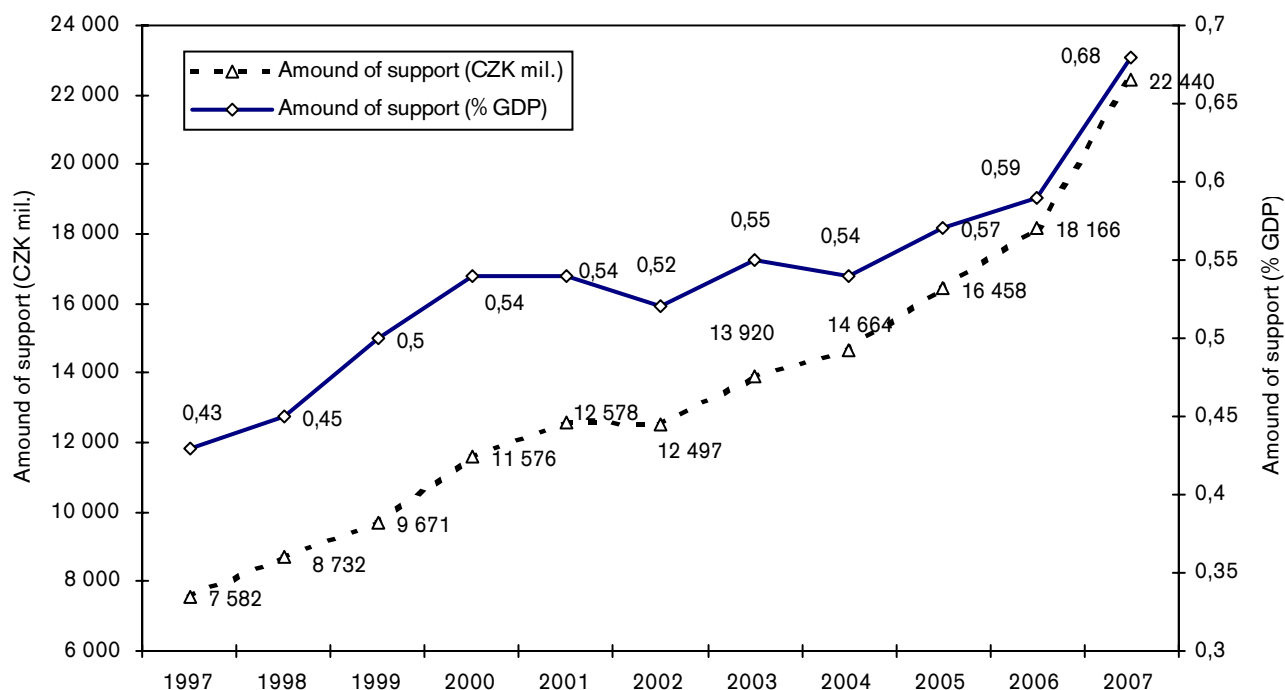
Elaboration of the proposal of total expenditure determined for research and development is a time-consuming process, demanding in terms of organisation, which takes place in the first half of the year preceding the year for which the proposal is being made. The Council considers the options and needs of research and development in the

Czech Republic and in cooperation with administrators of individual budget chapters, in several subsequent steps, it compiles the proposal to be submitted to the Government in its final version.

The draft of mid-term forecast of support of research and development, which is clarified on the basis of particular comments, serves as a document for basic orientation when directing research and development and setting up priorities for the following years. The mid-term forecast takes into account both international commitments of the Czech Republic and funding of important research activities.

The development of the total amount for supporting research and development from public funds from 1997 until 2004 with perspectives until 2007 is illustrated by the following diagram:

**Development of total support of research and development from public funds  
(CZK million and =% GDP)**



The amount of research and development support from public funds expressed by a standard indicator, i.e. a share of GDP, had been increasing until 2000, in 1998 – 2000 quite dynamically. In 2000 it reached 0.54% GDP. After a decline in 2002 down to 0.52 % GDP it saw a rise again in 2003 and accounted for 0.55% GDP. The original assumption for 2004 – 0.58% GDP – was, after the presumed amount of GDP had been increased, corrected, and accounts for 0.54% GDP.

The 2005 draft state budget includes expenditure specified for the support of research and development amounting approximately to CZK 16.5 billion (i.e. 0.57% GDP), which represents an increase of about CZK 1.8 billion. Over the framework provided by the mid-term forecast, funds representing a rise by CZK 0.7 billion were found. By their allocation proposed by the Council the support of research and development in some chapters was substantially increased, namely in the chapter of the Ministry for Regional Development for extending research and development for the needs of regions, and in the chapter of the Ministry of the Interior for supporting security research (growth index in comparison with 2004 exceeded 30%). Expenditure of the Ministry of Education, Youth and Sports (MEYES) and expenditure of the Ministry of Industry and Trade (MIT) rose as well (by almost 20% compared with 2004), particularly in the chapter of the MEYS (research objectives of universities, research centre programmes); in the MIT's chapter it was for the support of TANDEM, POKROK and IMPULS programmes. Expenditure for programmes carried out by MEYS, the Academy of Sciences of the Czech Republic and the Czech Republic Grant Agency focusing on the support of young scientists also increased.

However, to achieve expenditure amounting to 0.7% GDP still remains a far distance goal although the Government repeatedly announced this level as being a target in various documents. For the Czech Republic as well as for some other EU Member States, in particular those acceding to the EU in 2004, it will be difficult to meet until 2010 the goal specified at the 2002 Spring Summit of the

European Council in Barcelona: total expenditure for research and development at the level of 3% GDP, of this 1 % of public expenditure and 2% of costs to be covered by private entities (enterprises). Stagnation in 2001 and even decline in 2002 were caused by the fact that the Government as well as individual ministries began rather to solve the actually occurring problems instead of creating preconditions for economic growth in the future.

If we evaluate the support of research and development covered from public funds by increments of expenditure in absolute figures and common prices the situation seems to be more favourable. The positive development in the support of research and development is also indicated in the policy statement of the Government in which the Government undertook to draw up a comprehensive strategy for the support of research and development so that public expenditure for research and development could reach until 2010 the amount of 1% GDP. The Government is also willing to help increase a share of the private sector including foreign investors in financing research and development. One of the criteria for allocating the support of research and development will be regular and objective evaluation of results achieved.

Rules for providing the support of research and development covered from public funds are defined by the Act on the Support of Research and Development, while detailed conditions for providing and utilising targeted and institutional support are governed by the Government Regulations, being as follows:

- Government Regulation No. 461/2002 Coll. on the targeted support of research and development from public funds and on public tenders in research and development and
- Government Regulation No. 462/2002 Coll. on the institutional support of research and development covered from public funds and on the assessment of research objectives



## *Research and Development Information System*

The Research and Development Information System (hereinafter referred to as "research and development IS") ensures the collection, providing and using data on research and development supported from public funds. Under the Act on the Support of Research and Development the Council is responsible for research and development IS. The Act defines the purpose and objectives of research and development IS, stipulates its content, and regulates rights and obligations with respect to providing and inputting data into research and development IS. Pursuant to the said Act the provision of the specified data and its inclusion into research and development IS is a precondition for receiving public support for research and development. Research and development IS is a valuable source of information on the current situation in the field of research and development IS and its results are not used only for the Council and other bodies but also for general public.

The research and development IS database integrates mutually linked information areas of the Central Register of research and development Projects (CRP), the Central Register of Research Objectives (CRRO), the Register of Information on Results (RIR), and the Register of Public Tenders in research and development (RPT). Research and development IS contains further supporting data areas including the data on the state budget means allocated for research and development (until 2002), information on organisations, programmes, impacted professional journals, and so forth.

The preparation of draft state budget expenditure, which the Council is responsible for, is closely linked to the Research and Development Information System. The data obtained from the CRP, CRRO, RIR and RPT is, however, every year used not only for drawing up the state budget but also for auditing how targeted and institutional support for research and development covered from public funds has been used, for drawing up and assessing draft programmes, for analysing the situation in research and development in the

Czech Republic, and so forth. Last but not least CRP and CRRO are tools for revealing inefficient, duplicate funding of research and development.

Elaborated data on projects (CRP), research objectives (CRRO) and results of research and development (RIR) represent crucial elements for publishing the "2004 Status Analysis of Research and Development in the Czech Republic and Its Comparison with Abroad". Basic information gathered according to methodological requirements (see below) from data outputs of RIR as a follow up to CRP and CRRO rank among the basic information sources useable for the evaluation of research institutions. The aforementioned "Methodology for Evaluation of Research and Development and Its Results" was developed by the Council in cooperation with the Ministry of Education, Youth and Sports pursuant to point II.3 of Government Resolution No. 644 of 23 June 2004 relating to the evaluation of research and development and its results. Research and development IS has been developed gradually according to the needs of its users.

In 2004, essential steps were taken to ensure the operations and development of research and development IS in upcoming years. On 30 June 2004 the Public Tender in research and development – "The Research and Development Information System" programme approved by Government Resolution No. 376 of 21 April 2004 was published. The mission of the programme is to ensure research and development IS development in compliance with the updated Strategy of the Research and Development Information System approved by Government Resolution No. 6 of 7 January 2004. The programme is effective for the period from 1 November 2004 until 31 December 2007. In the first half of 2004 the internal tender for "Managing of the Research and Development Information System" was closed and the selected entity, the Computing Centre of the Technical University will be managing research and development IS until 2008 (including).

The Council is also responsible for publishing accessible data from individual information areas of research and development IS on its web sites. The website [www.vyzkum.cz](http://www.vyzkum.cz) was substantially

changed in 2004 – in terms of its lay out and used technology while maintaining the content of the original website. Furthermore, the website has been extended by the publication system, i.e. a tool enabling an authorised user to carry out activities expressly assigned to him/her. Thus the efficiency of the process of publishing topical information relating to research and development IS has been increased. However the enhancement of the aesthetic level of the said website is not negligible either.

The Council has thoroughly assessed the current content and scope of the data delivered by research and development IS in relation to effective legislative regulations and approved adjustments of collected data for 2005, thus making the gathered data compatible with the valid legislation. At the same time the Council approved the manner of collecting data under which the data for CRP, CRRO and RIR will be delivered exclusively through the exchange format xml. As a result, transfer to full usage of state-of-art technologies accessible at the Internet will be completed.

[home](#) | [help](#)

## Research and Development Information System

### (State-Funded Research and Development of the Czech Republic)

Websites of state administration for research and development [www.vyzkum.cz](http://www.vyzkum.cz)

<b>SEARCH –</b> Enables searching under entered criteria	⇒	<u><b>CRP search</b></u> "Central Register of research and development Projects"	<u><b>CRRO search</b></u> "Central Register of Research Objectives"	<u><b>RIR search</b></u> "Register of Information Results"	<u><b>RPT search</b></u> "Register of Public tenders in research and development"	<u><b>SB Display</b></u> "The State Budget of the Czech Rep. allocated to research and development"
<b>CATALOGUE</b> Enables browsing the data in a catalogue format	⇒	<u><b>CRP Catalogue</b></u> "Central Register of research and development Projects"	<u><b>CRRO Catalogue</b></u> "Central Register of Research Objectives"	<u><b>RIS Catalogue</b></u> "Register of Information Results"	<u><b>RPT Catalogue</b></u> Function has not been implemented	<u><b>SB Catalogue</b></u> Function has not been implemented
<b>DATA INPUT</b> Enables transferring data specified for research and development IS	⇒	<u><b>Data for CRP</b></u> "Central Register of research and development Projects"	<u><b>Data CRRO</b></u> "Central Register of Research Objectives"	<u><b>RIR Data for</b></u> "Register of Information Results"	<u><b>Instructions for RPT</b></u> "Register of Public tenders in research and development"	<u><b>Instructions for SB</b></u> "The State Budget of the Czech Rep. allocated to research and development"

Responsible party: Research and Development Council  
 Administered by: Office of the Government of the Czech Republic  
 nábf. E. Beneše, 118 01, Praha 1  
 Telephone: 224 002 358

Publicly accessible data from CRP, CRRO, RIR, and RPT is available on the State Administration Research and Development website [http:// www.vyzkum.cz](http://www.vyzkum.cz)



### *Long-term Tasks*

The Act on the Support of Research and Development amplifies the conceptual nature of the system of support of research and development in the Czech Republic. The Act divided the responsibility for drawing up principal documents on long-term trends of research and development and its support between the Council and the Ministry of Education, Youth and Sports.

The Council annually produces and submits to the Government analyses and assessments of the situation of research and development in the Czech Republic and its comparison with foreign countries. The said Act established three expert commissions which operate as advisory bodies of the Council and prepare for it, *inter alia*, proposals of long-term objectives and schemes of research and development in the Czech Republic. Expert commissions consist of top researchers. Any commission when proposing long-term principal objectives uses every year analyses, other supporting documents and a good knowledge of the situation and trends in development of particular scientific spheres in the Czech Republic as well as abroad.

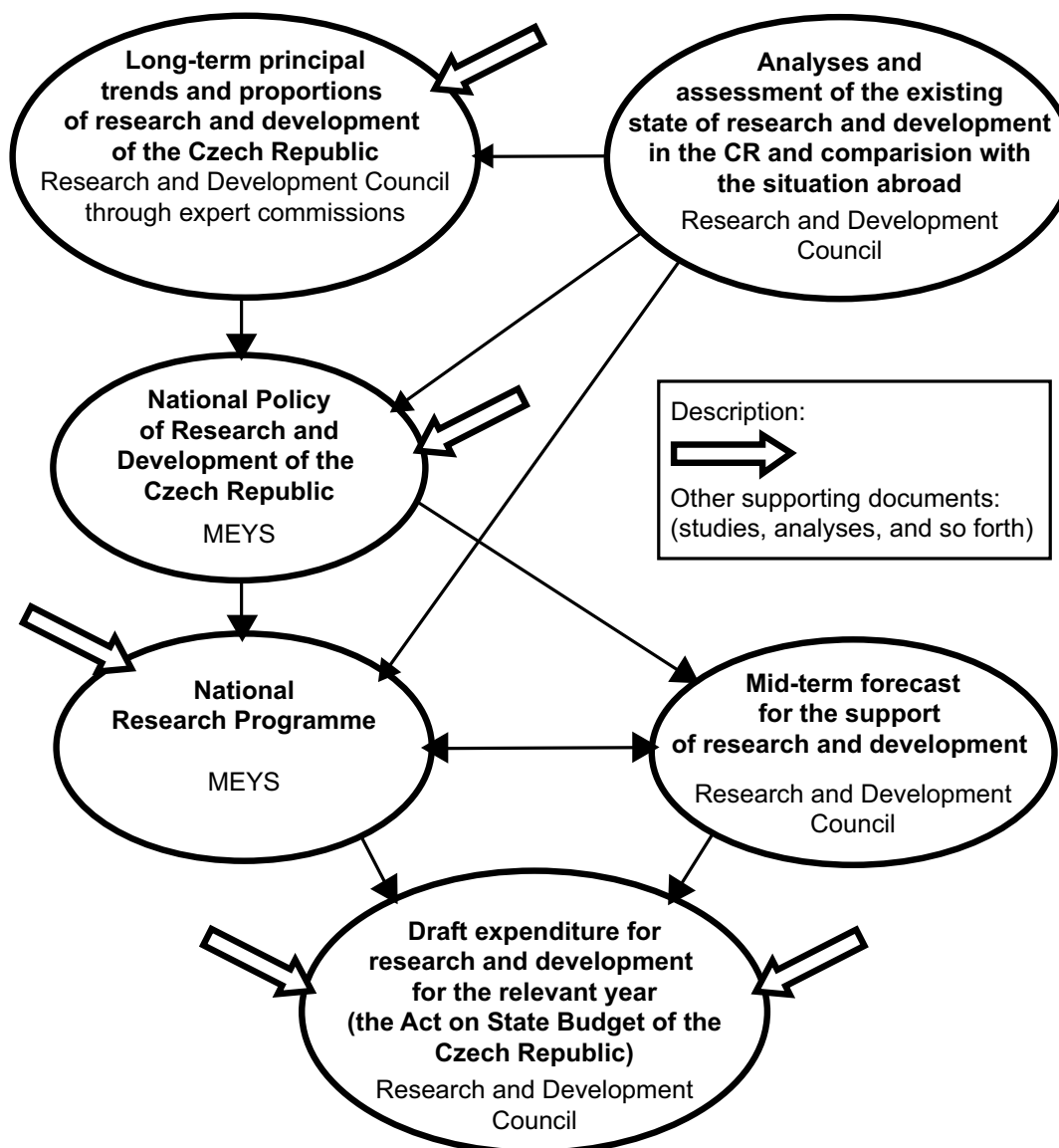
As a follow up to the analyses, the Ministry of Education, Youth and Sports draws up in cooperation with other bodies and institutions the National Policy of Research and Development of the Czech Republic and submits it to the Government for its approval. The National Policy of Research and Development expresses fundamental goals for the support of research and development and principles for allocating financial support for a period of 4 up to 6 years, as well as other measures for policy implementation.

One of the main tools for implementing the National Policy of Research and Development is the National Research Programme which is also drawn up and submitted to the Government by the Ministry of Education, Youth and Sports. A substantial proportion of the targeted support of research and development in the Czech Republic should concentrate in the future on the National Research Programme. This takes into account the fact that the Programme will also be open to entities from EU Member States.

The proposal for funding the National Policy of Research and Development as well as the National Research Programme is prepared and submitted to the Government by the Council in the form of the mid-term forecast for the support of research and development. The particular proposal of expenditure specified for research and development and its detailed breakdown in the current year is set out by the Council. The proposal is one of the documents for the State Budget Act for a current year.

The scheme of basic steps necessary for drawing up the long-term focus of the support of research and development and mutual links between such steps is demonstrated by the chart below.

**Principal steps (phases) of preparing support of research and development covered from public funds under Act No. 130/2002 Coll. on the Support of Research and Development**



## Cooperation with Other Bodies and Institutions

Whilst carrying out its activities and meeting tasks the Council closely cooperates with the Ministry of Education, Youth and Sports which, pursuant to the Act on the Support of Research and Development, is a central administrative body responsible for research and development. Among other bodies and institutions cooperating

with the Council, the Czech Republic Grant Agency, the Academy of Sciences of the Czech Republic and the Ministry of Finance should be mentioned. Bodies and institutions which to a large extent influence research and development in the Czech Republic are listed in the address book attached.

***Addresses of the central state administration bodies and other authorities and institutions from whose budget chapters research and development is supported and/or who considerably influence research and development in the Czech Republic***

- **Ministry of Transport (MT)**  
nábř. I. Svobody 12, 110 15 Praha 1  
<http://www.mdcr.cz>
- **Ministry of Finance (MF)**  
Letenská 15, 118 10 Praha  
<http://www.mfcr.cz>
- **Ministry of Informatics (Mol)**  
Havelkova 2, 130 00 Praha 3  
<http://www.micr.cz>
- **Ministry of Culture (MC)**  
Milady Horákové 139, 160 41 Praha 6  
<http://www.mkcr.cz>
- **Ministry for Regional development (MRD)**  
Staroměstské nám. 6, 110 15 Praha 1  
<http://www.mmcr.cz>
- **Ministry of Defence (MD)**  
Tychonova 1, 160 00 Praha 6  
<http://www.army.cz>
- **Ministry of Labour and Social Affairs (MLSA)**  
Na poříčním právu 1, 128 00 Praha 2  
<http://www.mpsv.cz>
- **Ministry of Industry and Trade (MIT)**  
Na Františku 32, 110 15 Praha 2  
<http://www.mpo.cz>
- **Ministry of Justice (MJ)**  
Vyšehradská 16, 128 10 Praha 2  
<http://www.justice.cz>
- **Ministry of Education, Youth and Sports (MEYS)**  
Karmelitská 7, 118 12 Praha 1  
<http://www.msmt.cz>
- **Ministry of the Interior (MI)**  
Nad Štolou 3, 170 00 Praha 7  
<http://www.mvcr.cz>
- **Ministry of Foreign Affairs (MFA)**  
Loretánské nám. 5, 125 10 Praha 1  
<http://www.mzv.cz>
- **Ministry of Health (MH)**  
Palackého nám. 4, 128 01 Praha 2  
<http://www.mzcr.cz>
- **Ministry of Agriculture (MA)**  
Těšnov 17, 117 05 Praha 1  
<http://www.mze.cz>
- **Ministry of the Environment (ME)**  
Vršovická 65, 100 10 Praha 10  
<http://www.env.cz>
- **Academy of Sciences of the Czech Republic (ASCR)**  
Národní 3, 117 20 Praha 1  
<http://www.cas.cz>
- **Security Intelligence Service (SIS)**  
Nárožní ul. 1111/2, 158 80 Praha 5  
<http://www.bis.cz>
- **Czech Mining Authority (CMA)**  
Kozí 4, 110 01 Praha 1  
<http://www.cbubbs.cz>
- **Czech Office for Surveying, Mapping and Cadastre (COSMC)**  
Pod sídlištěm 9, 182 11 Praha 8  
<http://www.cuzk.cz>
- **Czech Republic Grant Agency (CR GA)**  
Kancelář Grantové agentury ČR  
Národní 3, 110 00 Praha 1  
<http://www.gacr.cz>
- **National Security Authority (NSA)**  
Bubenečská 20, 160 00 Praha 6  
<http://www.nbu.cz>
- **State Office for Nuclear Safety (SONS)**  
Senovážné nám. 9, 110 00 Praha 1  
<http://www.sujb.cz>
- **Office of the Government of the Czech Republic (OG CR)**  
nábř. Edvarda Beneše 4, 118 01 Praha 1  
<http://www.vlada.cz>
- **Czech Conference of University Rectors**  
Masarykova univerzita v Brně  
Žerotínovo nám. 9, 601 77 Brno
- **Association of Research Organisations**  
Novodvorská 994, 142 21 Praha 4
- **Engineering Academy of the Czech Republic**  
Národní 3, 117 20 Praha 1
- **Industrial Property Office**  
ul. Antonína Čermáka 2a, 160 68 Praha 6  
<http://www.upv.cz>
- **Czech Statistical Office**  
Na padesátém 81, 100 82 Praha 10  
<http://czso.cz>
- **Council of Universities and Colleges**  
Josef Martího 31, 162 52 Praha 6 – Veleslavín
- **Union of Industry and Transport of the Czech Republic**  
Mikulandská 135/7, 113 61 Praha 1

## *Advisory and Working Bodies of the Council*

The Council has established its advisory and working bodies for meeting its relevant tasks:

**Advisory bodies of the Council are as follows:**

- 1. Expert Commission for Living Natural Sciences (Biology)**
- 2. Expert Commission for Non-living Natural Sciences and Engineering Science**
- 3. Expert Commission for Social and Humanitarian Sciences**

The Expert commission in particular develops draft long-term trends and schemes of the development of research and development in the Czech Republic, assesses prospective directions of basic research, and recommends the support of priority directions of applied research and development as a follow up to the needs of Czech industry and society.

Each expert commission consists of 12 members. They hold office for a period of four years. A member of an expert commission may be appointed for no more than two subsequent periods. Members of all expert commissions are appointed by the Chairperson of the Council on the proposal of the Council. The selection of members of an expert commission is regulated by the Statute of the Council. Membership in any expert commission is incompatible with simultaneous membership in the Council, specialised commissions of the Czech Republic Grant Agency, and in the Board of the Academy of Sciences of the Czech Republic.

Expert commissions work independently. The Chairperson of an expert commission, appointed by the Chairperson of the Council on the proposal of the Council, manages and is responsible for all and any activities of the relevant commission.

**Working commissions are working bodies of the Council.** The Council may establish such commissions so that they prepare supporting documents unless such document preparation is not within the scope of competencies of the relevant expert commission. The members of a working commission are appointed by the Chairperson of the Council on the proposal of the Council. The Chairperson of a working commission appointed by the Chairperson of the Council on the proposal of the Council manages and is responsible for any and all activities of the working commission.

In order to solve assignments related to bio-ethical aspects of research the Council set up in 1997 the **Bio-ethical Commission** made up of principal experts dealing with this issue with respect to scientific and legal points of view. The vice-chairperson of the Council is the Chairperson of the Bio-ethical Commission.

For solving specific tasks the Council selects among its members a **rapporteur**. In the case of tasks assigned to an expert commission the Council always appoints a rapporteur.

In order to solve large-scale assignments the Council may set up a **working group** comprised of Council members.

The Chairperson of the Council, the Chairperson of a working commission and a rapporteur may **invite experts** who are not members of the Council to solve a specific problem.

*COMPOSITION OF EXPERT COMMISSIONS**Expert Commission for Living Natural Sciences*

Prof. RNDr. Václav Hořejší, CSc.	molecular biology
Prof. MUDr. Michal Anděl, DrSc.	internal medicine, metabolism
Ing. Jiří Dohnal, CSc.	pharmaceutical chemistry
PharmDr. Radovan Haluza	genetics, molecular biology
Prof. Ing. Pavel Hobza, DrSc.	quantum chemistry
Doc. Ing. Jan Krekule, DrSc.	physiology of plants, botany
RNDr. Jan Nedělník, PhD.	phytopathology, biotechnology
Prof. MUDr. Bohuslav Ošťádal, DrSc.	physiology, biomedicine
Prof. RNDr. Václav Pačes, DrSc.	molecular biology
Prof. RNDr. Blanka Říhová, DrSc.	immunology, pharmacy
Prof. Ing. Kamil Wichterle, DrSc.	physical chemistry
Prof. RNDr. Jan Zrzavý, CSc.	zoology, ecology

*Expert Commission for Non-living Natural Sciences and Engineering Science*

Ing. Milan Holl, CSc.	technical sciences
Prof. Ing. Tomáš Čermák, CSc.	electrical engineering
Ing. Ivan Dobiáš, DrSc.	management of research
Prof. RNDr. Pavel Drábek, DrSc.	mathematics
Prof. RNDr. Josef Jančář, CSc.	macromolecular chemistry
Ing. Karel Jungwirth, DrSc.	plasma physics
Prof. Ing. Vladimír Kučera, DrSc.	management, regulation
Prof. Ing. Jan Macek, DrSc.	mechanical engineering
Ing. František Pazdera, CSc.	nuclear energy
Prof. Ing. Jaroslav Purmenský, DrSc.	material sciences
Prof. Ing. Karel Štulík, DrSc.	analytical chemistry
Prof. Ing. Miroslav Václavík, CSc.	construction of machines and equipment

*Expert Commission for Social and Humanitarian Sciences*

Doc. Ing. Tomáš Cahlík, CSc.	economics, mathematics
RNDr. Ivo Budil, PhD.	sociology, anthropology
Ing. Boris Dlouhý, CSc.	economic strategies
Prof. RNDr. Petr Dostál, M.A., PhD.	Earth sciences, geography
Doc. Ing. Bojka Hamerníková, CSc.	economics, public sector
Doc. PhDr. Bořivoj Hnízdo, CSc.	political sciences
Prof. JUDr. Pavel Holänder, DrSc.	philosophy and law theory
RNDr. Tomáš Kostecký, CSc.	sociology, demography, geography
Ing. Martin Kupka	macroeconomics
Prof. PhDr. Jiří Musil, CSc.	sociology
Prof. PhDr. Jaroslav Pánek, DrSc.	history – Modern Age
Prof. RNDr. Jitka Rychtaříková, CSc.	demography

## *Composition of the Research and Development Council*

### *Chairman of the Council*

**Ing. Martin Jahn**, Vice-Prime Minister for Economy

### *Vice-chairmen of the Council*

**JUDr. Petra Buzková**, Minister of Education, Youth and Sports

**Ing. Milan Urban**, Minister of Industry and Trade

**Doc. MUDr. Vladimír Viklický, CSc.**, medical sciences

### *Members of the Council*

Doc. Ing. Josef Bouška, CSc.

agricultural sciences

Prof. JUDr. Jan Dědič

law

Ing. Jaroslav Doležal, CSc.

management, decision-making, modelling

Ing. Jaroslav Janeček, CSc.

chemistry and undertaking in research and development

Doc. RNDr. František Ježek, CSc.

mathematics, computing graphics

Ing. Vratislav Kulháněk, Dr.h.c.

technical sciences

Ing. Vladimír Nekvasil, DrSc.

physics

Prof. MUDr. Josef Syka, DrSc.

medical sciences

Doc. Ing. Karel Šperlink, CSc.

material sciences

Prof. Ing. Ivan Wilhelm, CSc.

experimental physics

Prof. Ing. Petr Zuna, CSc.

material sciences

### *Department of the Council Secretariat*

#### **Scientific Secretary and Director of the Department of the Council Secretariat**

RNDr. Marek Blažka

#### **Deputy Director of the Department of Research, Development and Innovations**

Ing. Jan Marek, CSc.

UNIT OF RESEARCH AND DEVELOPMENT  
BUDGET:

**Ing. Jan Marek, CSc.** – Head of the Unit

Ing. Markéta Bříšková

PhDr. Milena Dosoudilová, CSc.

Ing. Vratislava Fremrová

Ing. František Hronek, CSc.

Ing. Dagmar Korbelová, CSc.

Ing. Miloš Thoma

RNDr. Jana Zoubková

UNIT OF RESEARCH AND DEVELOPMENT  
INFORMATION SYSTEM:

**Ing. Martin Matějka** – Head of the Unit

Radka Cibochová

Mgr. Naděžda Kuželková

Ing. Eva Škochová

### *Secretaries*

Marcela Horková

Jarmila Rudolfová

#### ADDRESS:

**Office of the Government of the Czech Republic**

nábřeží Edvarda Beneše 4

118 01 Praha 1

Tel: 224 002 358, 224 002 329, 224 002 411

Fax: 257530256

E-mail: [blazka.marek@vlada.cz](mailto:blazka.marek@vlada.cz); [RVV@vlada.cz](mailto:RVV@vlada.cz)



# MEMBERS OF THE RESEARCH AND DEVELOPMENT COUNCIL



*Ing. Martin Jahn,  
Chairman of the Research and Development Council  
Vice-Prime Minister for Economy*



*JUDr. Petra Buzková  
Vice-Chairwomen of the Research and Development Council  
Minister of Education, Youth and Sports*



*Ing. Milan Urban  
Vice-Chairman of the Research  
and Development Council  
Minister of Industry and Trade*



*Doc. MUDr. Vladimír Viklický, CSc.  
Vice-Chairman of the Research and  
Development Council*



*Doc. Ing. Josef Bouška, CSc.*



*Prof. JUDr. Jan Dědič*



*Ing. Jaroslav Doležal, CSc.*



*Ing. Miroslav Janeček, CSc.*



*Doc. RNDr. František Ježek, CSc.*



*Ing. Vratislav Kulháněk, Dr.b.c.*



*Ing. Vladimír Nekvasil, DrSc.*



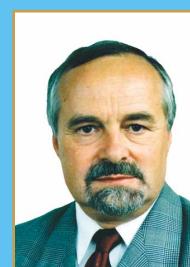
*Prof. MUDr. Josef Syka, DrSc.*



*Doc. Ing. Karel Šperlink, CSc.*



*Prof. Ing. Ivan Wilhelm, CSc.*



*Prof. Ing. Petr Zuna, CSc., FEEng.*

## *BIOGRAPHIES OF THE MEMBERS OF THE RESEARCH AND DEVELOPMENT COUNCIL*

### *Ing. Martin Jahn*

*Vice-Prime Minister for Economy*

*Chairman of the Council*

---

Born on 21 January 1970.

After graduating from the University of Economics he joined the CzechInvest Agency where from 1994 – 1995 worked as the Head of the Marketing Department, between 1995 and 1996 he was promoted to the post of Director of Projects Building on a "Green Field", and between 1996 and 1999 he worked as a Director of the Czech Representation in Chicago. Since 1999 he has been General Manager with what has since January 2004 been the Agency for Undertaking and Investments. Between 1997 and 1999 he studied at DePaul University in Chicago, where he was awarded an MBA. He is a member of the Institute of Members of Administrative Bodies, a member of the Canadian-Czech Commercial Chamber, and also of the CMC Graduate School of Business in Čelákovice. The President of France awarded him the Knight's Order for merit. He speaks English, German, Russian, and partially French. He is not a member of any political party.

### *JUDr. Petra Buzková*

*Minister of Education, Youth and Sports*

*Vice-Chairwomen of the Research and Development Council*

---

Born in Prague on 7 December 1965.

Petra Buzková completed her studies at grammar school and between 1984 and 1989 she studied at the Faculty of Law of Charles University. Being a great-granddaughter of František Modráček, a politician and senator of the Social Democratic Party, she has been a member of this party since 1989 and in 1990 she became its Vice-Chair. From 1992 she was a deputy of the Czech National Council and since 1993 she was a deputy of the Chamber of Deputies of the Parliament of the Czech Republic, where between 1993 and 2002 she held the office of

the Chamber's Vice-Chair. In 2000 she withdrew from the office of the Vice-Chair of the Czech Social Democratic Party in particular because of her disagreement with the alteration of the Act on elections agreed on between the Civic Democratic Party and the CSDP. In February 2001 she was elected to the Chair of the Prague organisation of the CSDP. From 15 July 2002 until 4 August 2004 she was the Minister of Education, Youth and Sports in the Government of Vladimír Špidla.

### *Ing. Milan Urban*

*Minister of Industry and Trade*

*Vice-Chairman of the Research and Development Council*

---

Born in Čáslav on 15 October 1985.

Between 1977 and 1982 he studied at the Mining Faculty of the Mining University in Ostrava and after graduation he joined the ČKD in Kutná Hora, where he worked as a technician. Since 1988 he worked as a Deputy Director for production at ČSAO in Čáslav and from 1991 until 1995 he worked as the Head of the Department of Economy and Investments of the Municipal Council in Čáslav. After that until 1998, when he was elected a deputy of the Chamber of Deputies of the Czech Parliament, he was active in the private sector. As a deputy he became a member of the Budget Committee and the Permanent Commission for Banking. Since 2002 he was a Chair of the CSDP parliamentary group. Furthermore, he was a member of DR ČKA. Between 1985 and 1988 he was a member of the Czechoslovak Communist Party and since 1995 he has been a member of the CSDP. He was the Minister of Industry and Trade in the previous Government of Vladimír Špidla, i.e. from 19 March 2003 until 4 August 2004. Sports, in particular soccer, tennis and motor racing related sports, are among his hobbies.



***Doc. MUDr. Vladimír Viklický, CSc.***  
*Vice-Chairman of the Research and Development Council*

Born in Prague on 27 November 1938.

He graduated from the Faculty of General Medicine of Charles University in Prague in 1963 and in 1968 he obtained his CSc (the Candidate of Sciences) degree in biological sciences. Since then he has worked as a research scientist at the Institute of Molecular Genetics of the Academy of Sciences of the Czech Republic where, in 1991, he became a deputy director.

From 1964 to 1981 he worked mainly on projects investigating the induction of immunological tolerance and the importance of histocompatibility antigens in immune processes. Since 1981 he has devoted himself to studying the structure and functions of cytoskeleton. Recently he has concentrated on the issues of the rapid transfer of new scientific findings into practice.

He has actively participated in a number of scientific conferences and has lectured in France, Finland, Austria, and the US. He was also invited for several short-term stays in those countries. He is the author of 160 original scientific papers published in internationally recognised journals, and a co-author of two monographs and author of a series of short articles. According to SCI his papers have been cited more than 1,300 times. As a co-author he possesses more than 20 copyright certificates.

Since 1975 he has lectured at the Faculty of Sciences of Charles University in Prague and as a tutor he supervised a number of undergraduates and CSc post-graduate students. Between 1995 and 1997 he was a Chairman of the Czech Republic Grant Agency, and since the establishment of the grant system in the Czech Republic he has worked in several expert commissions of the Grant Agency of the Academy of Sciences of the Czech Republic as well as the Czech Republic Grant Agency.

His activities were awarded by the National Prize of the Czech Republic; twice he received the Prize of the Czechoslovak Academy of Sciences, and once he was awarded the Price of the

Academy of Sciences of the Czech Republic. In 1999 he obtained the Purkyně Medal of the Academy of Sciences of the Czech Republic.

***Doc. Ing. Josef Bouška, CSc.***

Born in Stehelčevy on 25 March 1944.

Following the completion of secondary school in 1963 he started to work as a technician at the Forest Company Klášterec na Ohří, then at the Forest Company in Petrohrad and the State Farm in Podbořany. Between 1975 and 1993 he worked at the Research Institute of Animal Production in Prague – Uhřetěves, at first as a technician and from 1981 as a researcher. During this period he was studying livestock breeding at the Agronomical Faculty of the University of Agriculture, graduating in 1981, while in 1984 he obtained his CSc degree. During the years 1988 – 1990 and again in 1993 he held the position of the Deputy Director of the Institute.

From 1994 to 1996 he was Director of the Czech Holstein Association and after his return to the Research Institute of Animal Production he worked as Deputy Director. On 1 January 1999 he was appointed the Director. In 1985, 1990 and 1995 Ing. Bouška participated in study exchange programmes in prominent foreign institutions involved in animal production including institutions in the Netherlands, Canada, and the United States.

He is author or co-author of 40 original scientific publications, 48 final reports of research projects, and 96 other professional communications such as book chapters, methodologies, and so forth. He devotes himself mainly to the issues of genetics and livestock breeding. Since 1986 he was a leader of teams focusing on solving such issues. Currently he is a member of the Scientific Board of the Czech Agricultural University in Prague, the Research Institute of Animal Production in Nitra, and the Zoological Faculty of the South Bohemian University in České Budějovice. Moreover, he is a member of scientific boards for post-graduate doctoral studies, namely the board of special zoological technology of the Agronomical Faculty of the Czech Agricultural University in Prague and the South Bohemian University in České Budějovice.

*Prof. JUDr. Jan Dědič*

Born in České Budějovice on 4 January 1952.

He graduated from the Faculty of Law of Charles University in Prague in 1975. On the basis of his doctoral thesis concerning civil material and procedural law he was granted the academic title JUDr in 1979. In 1993 he defended his habilitation in the field of commercial law at the Faculty of Law of Charles University and in 1995 he was granted the title of Associate Professor of commercial law. Since 1975 he has been active at the University of Economics in Prague where he has been a Head of the Law Department of the Faculty of International Relations. He also lectures at the Faculty of Law of Charles University, being a member of its Scientific Board. He is also a member of the Scientific Commission of Commercial Law and an external member of the Commission for State and Doctoral Examinations. He was actively involved in the activities of the Czech Republic Grant Agency.

Prof. Dědič is a sought-after expert in the field of corporate, securities, commercial and financial law, as well as law of banking and capital markets. He is an attorney-at-law working for the Kocián Šolc Balašík legal firm in Prague in which has been a partner since 1998.

Prof. Dědič participates substantially in drafting legal regulations in compliance with European legal provisions and is one of the authors of the amendment to the Commercial Code and the amendment to the Act on Securities. He is also a member of the Commercial Law Commission, the Legislation Council of the Government of the Czech Republic, and in the past he was actively involved in drawing up a number of other acts. He also works as Chairman of the Appeals Commission of the Czech National Bank, and is a member of the Supervisory Board of the Prague Foundation for Economic Education Development.

Prof. Dědič is author or co-author of many monographs, or articles published in books as well as in specialised journals and the daily press and is the author of several textbooks and university textbooks.

*Ing. Jaroslav Doležal, CSc.*

Born in Prague 31 December 1946.

He graduated with distinction from the Electrotechnical Faculty of Czech Technical University in Prague (1965 – 1970) where he studied technical cybernetics, specialisation of automation and management. He participated in scientific preparation at the Institute of Information and Automation Theories of the Czechoslovak Academy of Sciences and in 1974 he defended his dissertation thesis, the topic of which was "Problems of Discreet Optimal Management and Differentiation Game". In the aforementioned Institute he worked as a researcher until 1995 and his work and that work carried out by the group which he led in the field of mathematical modelling, optimal management and theory of decision-making several times won awards.

He was engaged in long-term cooperation with the International Federation for Information Processing (IFIP) and between 1993 and 2001 he was a representative of the Czech Republic in this organisation.

In 1993 together with the Electrical Engineering Faculty of Czech Technical University he initiated the establishment of the joint laboratory of his department and Honeywell Corporation. He joined this laboratory as its Director in 1995, being in this office until today. In 2003 he was appointed by Honeywell Corporation as an official representative for the Czech Republic, thus participating in the activities of this company. Since 2004 he has been a corporate agent acting on behalf of the company.

*Ing. Miroslav Janeček, CSc.*

Born in Ostrava on 3 May 1945.

He graduated from the University of Chemical Technology in Pardubice in 1967 and at the same university he obtained, in 1983, his CSc degree. In addition, he completed post-graduate studies "Technology of Dyestuff and Intermediates". At CMC he attended a long-term manager course (European Round Table) and a course entitled Corporate Governance.

From 1968 until 1985 he was employed at Eastern-Bohemian Chemical Plants (VCHZ) Synthesia Pardubice as a technologist, and later as Head of the Laboratory of Analytical Methods and a Head Technologist of Dyestuff Production. Between 1986 and 1991 he worked in the Research Institute of Organic Syntheses (joint stock company) in Pardubice –Rybitví as head of the Research Unit. In 1991 he worked in Germany for Dr. H. Heubach company. In 1991 he joined again VCHZ Synthesia where he was appointed Deputy Director for strategic planning and later as Director for Strategy and Director for Research and Development, and from 1 February 1997 he was a General Manager. Since 1 October 2001 he has been a private (freelance) advisor.

During his scientific career, besides publishing his CSc dissertation, he has lectured at several conferences and also at the University of Chemical Technology in Pardubice, and as author or co-author he has received more than 30 copyright certificates and submitted a number of improvement proposals.

His other activities include: membership in the Board of the EUREKA Programme, membership in the Scientific Board of Pardubice University, President of the Association of Research Organisations, Vice-President of the Association of Innovation Entrepreneurship, and he works in a range of other commissions and institutions.

### *Doc. RNDr. František Ježek, CSC.*

Born in Chrudim on 30 June 1948.

He studied mathematics and descriptive geometry at the Faculty of Mathematics and Physics of Charles University in Prague where he graduated in 1971. He joined the Mechanical Engineering Faculty of Czech Technical University in Prague. Since 1980 he was a teacher and a researcher at the Mechanical Engineering College in Pilsen. In 1986 he successfully defended his CSc dissertation work (at the Electrotechnical Faculty of Czech Technical University) entitled Data Structures and Algorithms of Computer Graphics for Construction by Computers". He has been an Associate Professor of mathematics since 1990.

His research activities include computer graphics, geometric modelling, NURBS theory and geometric cores of CAD systems. He has published one monographic book (together with Prof. L. Drs) and 50 articles and other communications. He is author and co-author of a number of textbooks and university textbooks.

In 1990 he was elected a dean of the Faculty of Applied Sciences of West-Bohemian University in Pilsen (until 2003). In 2000 and again in 2003 he was elected a Chair of the Council of Universities. Since 2004 he has been a member of the Council for Development of Entrepreneurship Environment. Doc. Ježek is a Vice-Rector of West-Bohemian University for strategy and development and a member of five scientific councils.

### *Ing. Vratislav Kulháněk, Dr.h.c.*

Born on 20 November 1943.

He graduated from the University of Economics in 1996 and then worked for construction companies as an economist, was employed in Motor Jirkov České Budějovice as an analyst and later became a member and the Chairman of the Board of Directors, was appointed an Executive Director and Speaker of Robert Bosch, Ltd, České Budějovice, and since 1997 he has been Chairman of the Board of ŠKODA AUTO (joint stock company), Mladá Boleslav.

He is currently active in a number of associations and unions relating to his professional career: Vice-president of the Union of Industry and Transport and President of the Association of Automotive Industry, Chairman of the National Committee of the International Chamber of Commerce, a member of the World Executive Committee of the International Chamber of Commerce, President of the Institute of Members of Administrative Bodies, a member of the Board of Charles University and also of the Scientific Boards of the University of Economics and Czech Technical University. In addition, in 2004 he was elected Chairman of the Czech Union of Ice Hockey.

*Ing. Vladimír Nekvasil, DrSc.*

Born in Paris on 20 April 1944.

In 1967 he completed his studies of solid-state physics and graduated from the Faculty of Technical and Nuclear Physics of Czech Technical University in Prague. In 1969 he commenced post-graduate studies at the Institute of Physics of the Academy of Sciences of the Czech Republic where he presently works as a senior researcher. He obtained his CSc degree in 1974 and in 2001 he was granted the scientific title DrSc (Doctor of Sciences) for his thesis "4f Electrons in Rare Earth Cuprates".

His research activities focus on the study of magnetic and optical properties of compounds containing transitive elements. Currently he deals primarily with relations between magnetism and superconductivity in perovskite materials and studies of electron excitations in oxides applicable in lasers. He cooperates with foreign partners especially in Canada and in Germany.

He has written 90 articles published in internationally recognised journals and has been cited 2,500 times by foreign authors. He has lectured at a number of international conferences, summer schools and post-graduate courses. In 1987 he was awarded (together with P. Novák) the Prize of the Czechoslovak Academy of Sciences for physics. He participated in secondments at research institutions in the United States and in France.

At the Institute of Physics of the Academy of Sciences of the Czech Republic he was the Chairman of the Scientific Council (1994 and 1996), of the Attestation Commission (1994-1997), and of the Commission for Rectifying Injustice. Between 1990 and 1992 he was a member of the Chamber of Elected Representatives of the Czechoslovak Academy of Sciences and since 1993 he has been a member of the Academic Assembly of the Academy of Sciences. He has worked in the Academic Council since 1994 and currently he is a Vice-Chairman of the Academy of Sciences. At the same time he is a member of scientific boards of Czech Technical University and the Faculty of Mathematics and Physics of Charles University as well as a member of the Ministry of

Defence's Council for Defensive Research. He is also involved in the work of the OECD Commission aimed at science funding.

*Prof. MUDr. Josef Syka, DrSc*

Born in Prague on 18 September 1940.

He graduated from the Faculty of Medicine of Charles University in 1965 and in 1971 he obtained his CSc degree in the field of neuro-physiology. Since 1975 he has been head of the Laboratory of Neuro-physiology of Audition in the Institute of Experimental Medicine of the Czechoslovak Academy of Sciences and later of the Academy of Sciences of the Czech Republic.

He was granted the scientific titles of DrSc at Charles University in 1991 and in the same year he habilitated in the field of physiology at the Faculty of Medicine of Charles University in Prague. From 1994 until 2001 he was Director of the Institute of Experimental Medicine of the Academy of Sciences of the Czech Republic. In December 2000 he was appointed Chair of the Czech Republic Grant Agency.

Prof. Syka is involved in of neuro-physiology of the human auditory system and he was awarded several prizes for his activities in this scientific field.

He is a member of scientific boards of Universities, the Academic Council of the Academy of Sciences of the Czech Republic, and represents the Czech Republic in a number of foreign institutions (he is a member of the Executive Board of the European Science Foundation). Between 1992 and 2000 he was Vice-Chairman of the Research and Development Council of the Government.

*Doc. Ing. Karel Šperlink, CSc.*

He was born in Havlíčkův Brod on 16 October 1943.

He graduated from the Mechanical Engineering Faculty of Czech Technical University in Prague in 1966 and in 1983 he obtained his CSc degree in the field of physical metallurgy and ultimate condition of material. In 2003 he habilitated at Czech Technical University in Prague in the field



of material sciences and engineering. He concentrated on the properties and structure of non-iron metals and development of new materials for the air industry. From 1969 to 1996 he worked at the Research Institute of Metals in Panenské Břežany, starting there as a researcher who was then promoted to head of department and Director of the Institute. Between 1994 and 1996 he was the Chairman of the Board and the General Manager of the Innovation Technological Centre – Research Institute of Metals (joint stock company).

He has held a number of professional and organisational offices relating to his profession, in particular posts in the field of organisation and management of research and development. Between 1999 and 2000 he was a Vice-Chairman of the research and Development Council of the Government.

Currently he is a Vice-President of the Union of Industry and Transport of the Czech Republic responsible for research, development and innovation, the President of the Association of Innovative Entrepreneurship in the Czech Republic and of the Czech Society for New Materials and Technologies.

### *Prof. Ing. Ivan Wilhelm, CSc.*

Born in Trnava on 1 May 1942.

In 1964 he graduated from the Faculty of Technical and Nuclear Physics of Czech Technical University. He participated in a long-term study stay at the State Institute of Nuclear Research in Dubno. In 1972 he defended his dissertation thesis and in 1994 he habilitated, and later, in 1999, he was granted the scientific title professor of physics, namely experimental physics.

After graduation he began to work at the Faculty of Technical and Nuclear Physics of Czech Technical University and later he joined the Faculty of Mathematics and Physics of Charles University. Between 1969 and 1989 he devoted himself to scientific activities, however he was forbidden to work as a teacher.

Presently he works at the Faculty of Mathematics and Physics of Charles University and is involved

both in broad scientific and pedagogical activities. Furthermore, he has held a number of posts concerning organisation of research and development both in the Czech Republic and at the international level (cooperation of the Czech Republic with the State Institute of Nuclear Research in Dubno and CERN Geneva).

He was elected a member of the Academic Senate of the Faculty of Mathematics and Physics of Charles University and Charles University itself. For two subsequent functional terms he worked as a Vice-Rector of Charles University for development and in 1992 and then in 2002 he was elected the Rector of Charles University. He was also Vice-Chairman and later a Chairman of the Council of Universities. Nowadays he is Chairman of the Czech Conference of Rectors.

### *Prof. Ing. Petr Zuna, CSc. FEng.*

Born in Prague on 21 March 1941.

He graduated from the Faculty of Mechanical Engineering of Czech Technical University in 1963 and started to work as an assistant at the Department of Material Science. In 1972 he obtained a degree of candidate of technical sciences and in 1989 he was appointed Associate Professor and in 1992 Professor of Material Science.

Between 1991 and 1997 he was Dean of the Faculty of Mechanical Engineering of Czech Technical University in Prague, in the years 1997 and 1999 he was elected Rector of Czech Technical University, and currently he is Dean of the Faculty of Mechanical Engineering of Czech Technical University in Prague and the Deputy Director of the Institute of Material Engineering of the Faculty of Mechanical Engineering of Czech Technical University in Prague.

From 1986 to 1987 he seconded at ČKD Prague. He is a founding member of the Engineering Academy of the Czech Republic and for a period of eight years he was its President. He was elected President of the International Association of Engineering Academies CAETS for the year 2002. He is a member of the Russian and Slovak Engineering Academies. He participated in the establishment of the Czech Republic Grant

Agency where he was a member of its Board for eight years.

Between 1999 and 2001 he was a member of the Board of AERO Vodochody. He has been either the Chairman or a member of scientific councils of Czech Technical University in Prague, the Faculty of Mechanical Engineering of Czech Technical University in Prague, the Academy of Sciences of the Czech Republic (until 2001), the Institute of Nuclear Research in Řež, the Faculty of Mechanical Engineering in Brno, the Engineering Faculty of the State Technical University in Bratislava (until 1999), the Institute of Plasma Physics of the Academy of Sciences of the Czech Republic (until 1995), and the Technical Museum. He is a member of the Academic Assembly of the Academy of Sciences of the Czech Republic, the Ministry of Defence's Council for Defensive Research, and the Commission of the Union of Industry and Transport for Research and Development. He was awarded the medal of the 1<sup>st</sup> Grade by the Ministry of Education, Youth and Sports, the Golden Felber Medal, the Golden IGIP Medal, and the a bearer of a number of other awards.