

THE ACADEMY OF SCIENCES



THE ACADEMY OF SCIENCES
OF THE CZECH REPUBLIC

for economy
& society





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Introduction



Chapter I Mathematics, Physics and Earth Sciences

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 Institute of Physics of the AS CR
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 Masaryk's Institute of the AS CR

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 Institute of Philosophy of the AS CR
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Introduction



Dear readers,

The Academy of Sciences of the Czech Republic has several fundamental tasks in our society. The first task is, of course, to carry out good research at a comparable international level, the results of which will help to fill the well of knowledge of both the world and the Czech Republic in various fields of science. The second task of the Academy is to pass on knowledge to the younger generation, to participate in the training of young and promising research workers, whether in doctor's or master's programmes, or even in scientific activity in secondary schools. And the third task of the

Academy, no less important, is to utilise the new findings and results for the requirements of practical application and of society as a whole.

The Publication of the Czech Academy of Sciences for Economics and Society should convince you that this task, too, is taken very seriously by the Academy and that it tries to concentrate its search for knowledge on the required fields of the user sphere, whether this be the industrial sphere, the agricultural sphere, the medical, the ecological or the state sphere. This would be very little, however, if this publication were intended only to convince you. I hope that it will, first and foremost, provide you with the necessary inspiration and with information as to where in the Academy it is possible to seek the solution to one problem or another, who can offer you the relevant expert opinion, which research is already aiming towards innovations, development and applications and could be utilised by the enterprise sphere, with which team or workforce you could join forces in the projects of European and general international programmes or in which research you could participate so as to bring it jointly to an advantageous culmination.

If this publication becomes a source of information about the possible benefit and use of the research carried out in the Academy for economics and society and if it is used by universities, research institutes, small and medium firms and the general user and state sphere for the seeking of suitable partners for joint research, development and application, then it is fulfilling its purpose. And perhaps it will even contribute to the actual establishment of an interconnected Czech research and education area which will become part of the European research area.

◀ Doc. RNDr. Helena Illnerová, DrSc. ▶

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