

Editor's Note

Dear readers,

here is the eleventh issue of *Croatian Economic Survey*. As explained in the last year's introductory note, the goals of the editorial policy have changed over the recent years. Consequently, this time we bring you original contributions devoted to one topic - innovation. Let me briefly remind you that *Croatian Economic Survey* was launched in 1993 and that in the first ten issues it comprised a selection of articles originally published in the *Privredna kretanja i ekonomска politika* journal (Economic Trends and Economic Policy). The main purpose was to bring a selection of the most stimulating research papers published only in Croatian or in English in the source journal to a broader international audience. However, research papers published in the Croatian economics journals, including *Privredna kretanja i ekonomска politika*, are nowadays more often written in English and made available through open access to various electronic databases. Consequently, the need for the publication that reprints research papers in order to make them available to the international audience has disappeared.

This volume brings a selection of original contributions selected for presentation at the International conference on *Innovation, Competitiveness and Growth* held on November 27, 2008 in Zagreb, Croatia. The conference was organized by The Institute of Economics, Zagreb in cooperation with the STRIKE Action of the European COST Program.

Innovation is considered to be a major driver of both economic growth and competitiveness of companies and sectors. In that sense, innovation can be analyzed on both macro and micro level. On the macro level, there is a general consensus among economists that technological innovation plays a central role in the process of long-run economic growth. On the micro level, a firm's sustainable competitive advantage is based on its capability to successfully develop and commercialize a steady stream of innovations. An additional incentive for choosing innovation, competitiveness and growth as main conference topics has come from the fact that The Institute of Economics, Zagreb has committed itself to exploring various aspects of knowledge-led competitiveness and growth by conducting the research project "Innovation, Human Capital Investment and Growth of Competitiveness in Croatia" (0022469-2465) funded by the Croatian Ministry of Science, Education and Sports.

Four papers appear in this issue of *Croatian Economic Survey*. They are diverse in their focus as well as in methodologies applied. One is theoretically-oriented, while the others employ survey methods to collect and analyze the data. However, all four papers are interrelated through the concept of innovation that is approached from different perspectives. The volume opens with a theoretically-oriented paper by *Frank Müller-Langer* “Does Parallel Trade Freedom Harm Consumers in Small Markets?”. Parallel trade is one of the crucial issues in the international trading system nowadays. It occurs when goods that are produced under protection of a copyright, trademark or a patent and are in the distribution in one country, become imported into another one without the permission of the owner of property rights in the other country. As the treatment of parallel trade is not resolved in international agreements on intellectual property rights, countries freely decide whether they allow or ban parallel trade. The author investigates the case of parallel trade and its effects on consumers in the case of pharmaceutical industry that heavily relies on patents. Advocates of strong patent rights for the new pharmaceutical products come primarily from the pharmaceutical industry itself supporting the policy of banning parallel trade and arguing that parallel imports of pharmaceuticals slows down the development of new pharmaceutical products. On the other side, policy-makers in many developing countries support the regime of parallel trade arguing that it increases the affordability of pharmaceuticals. Using a theoretical model with two heterogeneous countries in terms of market size, the author analyzes the welfare effects of parallel trade. It turns out that parallel trade freedom is beneficial to consumers in the country with the larger market size, while the consumers in the country with the smaller market size will pay the higher price or even remain unserved if the other country is sufficiently attractive in terms of a market size.

In the second paper of this issue, the concept of innovation is discussed in a rather novel way. Namely, it refers to various forms of activities that can help maintaining the fiscal health of local communities. Based on the randomly selected sample of eighteen North Carolina cities with the population above 25,000 *Kseniya M. Khovanova* asks “How Does Variation in City Fiscal Health Affect Its Degree of Innovation?”. The relevant literature recognizes only a few attempts that relate local government fiscal conditions to innovation performance. They have all been constrained to the samples of U.S. cities. Namely, U.S. cities were confronted with substantial fiscal problems at the end of 1970s and beginning of 1980s that have induced them to innovate. In response to fiscal difficulties, priority was given to productivity improvements, often estimated by various performance measures. Consequently, this study uses performance measures as a proxy for measuring

innovation activities. As innovation *per se* implies substantial financial resources, the author questions whether the availability of financial resources is a determinant of innovative government activity. The results for the analyzed sample imply that fiscal healthy city governments are more prone to engage in innovative activities than fiscally stressed ones.

With the third paper in this issue we turn attention to the case of Croatia and the importance of R&D activities for its SME sector. In the paper “R&D Activities as a Growth Factor of Foreign-Owned SMEs in Croatia” *Zoran Aralica, Domagoj Račić and Denis Redžepagić* investigate the impact of R&D activities on innovation and growth in foreign-owned SMEs in Croatia. They start from the hypothesis that the volume of R&D causes significant difference in the growth performance of SMEs. In addition, the authors explore whether foreign-owned firms in Croatia act as a source of knowledge for its partners and competitors. In order to verify the starting hypothesis, the authors have collected the data through a postal survey from the population of SMEs in the Croatian manufacturing that received foreign direct investment in the 2004-2006 period. The results do not confirm the main assumption, implying that there is no significant difference between high- and low-growth SMEs regarding the share of their R&D expenditures in the total volume of expenditures. However, foreign-owned SMEs seem to be an important knowledge source to both domestic and foreign suppliers and customers at the time of entering the market as well as for foreign competitors. In spite of the fact that the results are inconclusive regarding the importance of R&D activities for the foreign-owned SMEs in Croatia, the analysis provides interesting implications that should induce future research. A richer data set and an analysis across various subsectors might give additional insights on the impact of R&D activities in the Croatian SME sector.

Finally, the fourth paper in this issue “Promoting Knowledge Transfer in Science and Technology: A Case Study of Technology Park Malaysia (TPM)” investigates the case of a technology park in Malaysia. The authors, *Abd Hair Awang, Mohd Yusof Hussain and Jalaluddin Abdul Malek*, were primarily interested in the inflows and outflows of knowledge from the Technology Park Malaysia as well on the size of knowledge output produced within the Park. They argue that for a developing economy, such as Malaysia, transferring new knowledge from multinational corporations is a basic assumption for sustaining comparative advantage of local firms. Technology parks have been established in Malaysia since the late 1980s, with the TPM being the most advanced and comprehensive centre for R&D. According to the data collected through a survey, the knowledge-based output of

the local workforce still seems to be at the initial phase. However, based on a rather scarce data set that asks for future verifications as more data becomes available, the analysis implies that successful knowledge inflows depend primarily on the organizational learning climate, which seems to be the most important predictor of knowledge outflows as well.

Let me conclude these introductory notes with the hope that papers in this issue will inspire further research in the field. Special thanks go to the authors for their original contributions, to all who helped in the preparation of the Conference, to conference participants, discussants, and external referees as well as to all involved in the preparation of this volume.

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April 2009