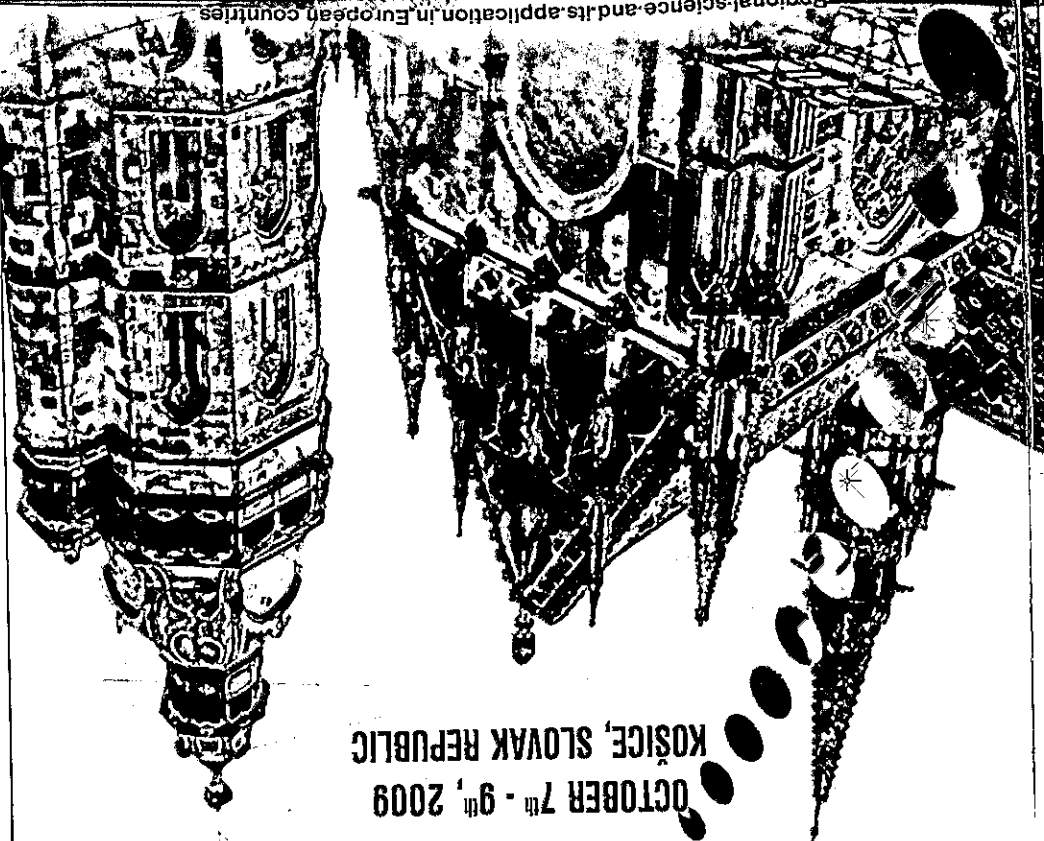
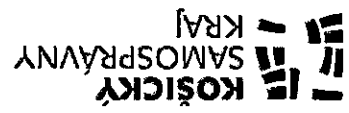


International science and its application in European countries

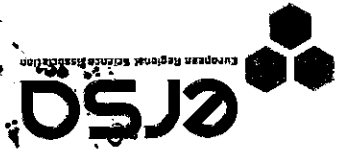


OCTOBER 7th - 9th, 2009
KOŠICE, SLOVAK REPUBLIC

3rd CENTRAL EUROPEAN CONFERENCE IN REGIONAL SCIENCE BOOK OF ABSTRACTS



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Dear Participants,

It is a great pleasure for me to welcome you to the 3rd Central European Conference in Regional Science. The fundamental themes of the Conference are focused on the regional sciences and their application in European countries; regional competitiveness, innovation and entrepreneurship and cross-border cooperation and development. We hope that the Central European Conference on Regional Science has become already a tradition that promotes the development of the regional sciences not only in Central European countries but also all over the world. Central European regions face specific problems nowadays and we are glad to offer a platform that should help to solve at least some of them.

We hope that we were able again to prepare a programme that offers the opportunity to share and spread your knowledge and experience in the area of your professional interest, to meet new impulses, to get new impulses for future work, or eventually meet new people for joint future research projects.

The conference is being organised by several Slovak Institutions: The Technical University of Košice – Faculty of Economics and Institute of Regional and Community Development; The University of Economics in Bratislava – Faculty of National Economy and the Slovak Section of the European Regional Science Association in a close cooperation with the German Speaking Section of the European Regional Science Association.

We would like to express our special thanks to all the key-note speakers who agreed their participation at CERS in Košice, namely to Roberta Capello, President-elect of the Regional Science Association International (RSAI), Peter Nijkamp, John Pickles, Adrian Smith and Manfred M. Fischer.

The CERS conference provides an opportunity for researchers, representatives of universities, public and state administration, regional institutions, R & D centres and for all individuals or institutions interested in regional development, to meet exchange ideas and discuss the most recent developments in Regional sciences, but CERS has an ambition to be more than that. It is aimed to allow you to meet (old or new) friends and establish new working relationships, in the European City of Culture 2013.

We wish you all an exceptional stay in our region and city, and hope that you will enjoy this conference and spend an informative, productive and enjoyable three days.

Prof. Oto Hudec

Associate Dean of the Faculty of Economics

Technical University of Košice



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Despite a significant pool of sustainable development literature that appeared during the last decade, the term remains unclear. This study involved a theoretical analysis of definitions of sustainable development to identify the weights of different authors and communities, and to understand the role of managerial issues in sustainable development. A principle managerial model of sustainable development and the model for strategic structuring of regional economy are presented in the paper.

The segmental categorization of configurational approach to strategy development

SMIRNOV Vitaliy, DANKIV Kosyp Yakymovych, DANKIV, Yelodymyr Kospyovych

Configurational approach directed at categorizing the process of strategy development requires to be categorized itself now in order to partly a critique and to re-establish framework with a set of definitions, relationships and principles which allow to re-establish configurational approach as a real force in the strategy development field. This paper introduces an attempt to solve accumulated contradictions by suggesting the systematic framework of configurational approach and categorizing its main concept, definitions and relationships among them. There is hope that the Segmental Model will succeed in cleaning up the mess of configurational approach to strategy development created by attempts to integrate a variety of theories and overspecialised approaches without any systematic framework.

Relation of municipalities and regional competitiveness

SOBOTKA Martin

Today a phenomenon of competitiveness is more and more related to economy of municipalities and cities. The competitiveness of regions can be followed through partial determinants e. g. economic performance, innovation performance, quality of life etc. The determinant quality of life takes effect as one of cross-over bridge between competitiveness of municipalities and regions. The quality of life includes itself such attributes that can ensure economic growth and development by means of attraction of economic activities, especially prevention of their efflux.

Company valuation in terms of Slovak republic environment and the impact of innovation on the value of a company

SOLTIS Tomáš

The primary goal of this article is to adjust methods of company valuation to the market environment of Slovak republic. This article defines several problematic factors and tries to suggest relevant solutions to them. The author has focused on developing a model which would be applicable in terms of the Slovak republic. The model should not only be able to provide a relevant valuation of a specific company, but it should be able to establish the value of a whole spectrum of private companies operating on the Slovak market, which need for whatever reasons to be evaluated. The used methodology first looks at available foreign valuation methods and indicators used in valuation process and then tries to state, whether it is possible to use local input data, especially local values of used market indicators, or whether it is more appropriate to use general European or global values of these indicators. An additional goal is to define various indicators and measurable factors that determine changes of company value on the ground of innovation, research and development.

The necessity of financing the research and development as a basis of creation and implementation of innovation in V4 countries.

SPÍŠÁKOVÁ Emilia

The year 2009 was proclaimed by the European Commission as a European Year of Creativity and Innovation with the slogan "Imagine, Create, Innovate". Research, development and innovation are the instruments important for the economy development and they are the source of countries' competitive advantage at the present time. In reality, the amount of financial resources invested into research, development and innovation in the European Union is insufficient. Therefore in March 2000 the European Committee approved a Lisbon Strategy and defined its aim. According to this the European Union should become by the year 2010 the most competitive and the most dynamic knowledge economy in the world with a sustainable growth, creating more and better working places and bigger social cohesion. The first part of the article is focused on defining research and development according to present Slovak legislation. The analysis is appreciating and comparing the economic growth rate of V4 countries with the EU average and is explaining in more details the amount of the financial resources invested into research and development in V4 countries individually.

Funds for an innovative environment in North-Hesse? - An evaluation of EU funding before and after the Lisbon Strategy using pooled data analysis

SPILLMANN Barbara

Since the introduction of the Lisbon Strategy in the year 2000, the creation of an innovative environment has become the main goal of the European regional policy. The aim of this study is to evaluate whether and under which conditions the EU funds contribute to the creation of an innovative environment in the northern communities of the German state of Hesse. The analysis uses the technique of pooled data analysis by observing a set of Hessian communities over a 10-years period of time (1998-2008). Pooled data sets are often used in political science. They are regarded as a solution to the limited data sets in political science as they combine 1 spatial units and T periods of time to create a data set of $1 \times T = N$ observations. (Hicks, 1994, P.2). The limitation in political science stems from the limited cross-sectional dimension (a given set of countries or regions) on the one hand. On the other hand time series in political science are short as data are collected on a (typically) yearly base instead of a daily as in financial economics where time series analysis is mostly applied. In order to overcome the data shortage, political scientists have started to pool the spatial and time dimension by observing the fixed political units over a given time period.

While analysing pooled data sets, one must note that OLS procedure can not be applied due to the possible heterogeneity of the units. We must assume that the spatial units differ from each other and therefore show different relationships between the dependent and independent variables. The differences may be in the intercepts only or in the intercepts and the slopes. In order to control for heterogeneity in the intercepts, literature suggests using fixed effects. But this remedy comes along with a cost: The cost of using fixed effects consist of their collinearity with unchanging or slowly changing characteristics of the units. Thus when we introduce fixed effects in our analysis, we have to drop unchanging variables from our regression equation. However, especially in policy analysts, we might be interested in modelling the effects of these variables on the result. Using fixed effects can therefore lead to a loss of information as the unit specific variation is removed. Instead of removing the unit specific differences we might try to model them as precisely as we can by introducing several independent variables characterising the units.

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