

TOPICS FOR DOCTORAL (PHD.) THESIS FOR ACADEMIC YEAR 2022/2023

Field of study: 8. Economics and Management

Study program: Spatial and regional economics

č. 1	Supervisor	doc. Ing. Peter Burger, PhD.
Title		PROPOSAL FOR CLUSTER POLICY SUPPORT RULES AND A CLUSTER FUNDING MODEL IN SLOVAKIA
Detailed description of the topic (annotation or abstract)		<ul style="list-style-type: none"> • Theoretically define cluster policy, clusters, their contribution to the development of the country and regions, and describe cluster policy support rules and the implementation of cluster programmes in the world. • Analyse the legislative framework and rules related to the support of cluster policy and clusters in countries with a high degree of implementation of cluster policy. • Analyse the economic impacts of cluster policy support and public funding of clusters on the degree of competitiveness of selected countries and regions. • Propose a statistical model capturing the efficiency of public spending on cluster activities in selected countries. • Propose, on the basis of scientific methods and procedures, a system of cluster policy support rules and a statistical model of optimal cluster funding in Slovakia, including their impact on the state budget.

č. 2	Supervisor	doc. Ing. Peter Burger, PhD.
Title		PERFORMANCE EVALUATION OF NATURAL INDUSTRY CLUSTERS AND INSTITUTIONALIZED CLUSTERS
Detailed description of the topic (annotation or abstract)		<ul style="list-style-type: none"> • Theoretically define clusters, natural industry clusters, cluster organizations, institutionalized clusters and describe the methods of creating and supporting them. • Analyze the methods for measuring the innovation and financial performance, efficiency and competitiveness of both natural industry clusters and institutionalized clusters. • Compare the differences in the innovation and financial performance of natural industry clusters and institutionalized clusters. • Evaluate the effects of financial support for institutionalized clusters from public resources at the level of regional competitiveness. • Propose a statistical model which captures the efficiency of spending public funds on the activities of institutionalized clusters.

č. 3	Supervisor	doc. Ing. Peter Džupka, PhD.
Title		SMART GOVERNANCE TOOLS ON LOCAL AND REGIONAL LEVEL
Detailed description of the topic (annotation or abstract)		The main objective of the dissertation thesis is to develop and validate a methodology for supporting key decisions in the area of operational spending, investment and local policy modeling, based on data-supported modeling and aimed at increasing the efficiency and societal benefits of decision-making processes in local governments. Thesis will

	map the currently available data (primary, secondary and online data) needed to support selected key decision-making processes. At the same time, it will map the available IOT / IOE technologies, that will allow cities and self-government regions to generate new decision support data. Another part of the thesis will be the modification of methods based on the evidence-based policy making and value for money approaches, which will enable effective decisions in several areas at the local and regional level in Slovakia. The output of the project will be the methodological instructions for changing decision-making processes based on data and current methods, which will ensure higher efficiency of the allocation of public resources and increase the benefit for the citizens
--	--

č. 4	Supervisor	doc. Ing. Matúš Kubák, PhD.
Title		FINANCIAL LITERACY AND BOUNDED RATIONALITY
Detailed description of the topic (annotation or abstract)		The dissertation aims to map the financial literacy of selected socio-economic groups of respondents with standardized tools and create a summary overview of the financial literacy of various spectra of the population. The analysis of financial literacy will also contain the detection of social, demographic and personality characteristics that have a causal effect on the level of financial literacy of respondents.

č. 5	Supervisor	doc. Ing. Matúš Kubák, PhD.
Title		MODELING OF SOCIO-ECONOMIC PHENOMENA RELATED TO MARKET FAILURE
Detailed description of the topic (annotation or abstract)		The aim of the dissertation is to create a complex agent-based simulation with a heterogeneous agents. Specified simulation will allow observation of the given socio-economic phenomenon with respect to different set up of parameters. Outputs of the simulation will be quantitatively processed to identify the laws and principles that brings the system into equilibrium, respectively deviate system from equilibrium.

č. 6	Supervisor	doc. Ing. Miriam Šebová, PhD.
Title		CLIMATE JUSTICE AND SUSTAINABLE CITIES
Detailed description of the topic (annotation or abstract)		The effects of climate change (environmental, economic, social) will affect humans, species and spaces in different ways. The majority of people live in cities, and climate justice as a balance between environmental sustainability and social vulnerability is becoming critical in the transition to sustainable cities. The dissertation aims to conceptualize climate justice in an urban environment and apply it to Slovak cities. The objective is to formulate climate justice indicators and factors in cities, identify the most vulnerable localities and communities affected by climate change, and analyze the local measures to support them.

č. 7	Supervisor	doc. Ing. Miriam Šebová, PhD.
Title		GENDER EQUALITY IN RESEARCH AND SCIENCE
Detailed description of the topic (annotation or abstract)		Despite strong support for European gender policies, science and research are among the sectors that persist in significant differences in opportunities between men and women. Horizontal and vertical segregation is strongly present in the Slovak academic environment. Equal opportunities significantly affect any organization's competitiveness, economic performance, and social cohesion. The objective of the dissertation is to conceptualize the topic of equal opportunities in science and research, to examine in depth its various aspects and indicators that will help understand their interrelationships and formulate recommendations to reduce gender inequalities. The work will also focus on the effects of the Covid pandemic on gender equality.

č. 8	Supervisor	doc. Ing. Miriam Šebová, PhD.
Title		ACCESSIBILITY TO CULTURE AND CULTURAL HERITAGE
Detailed description of the topic (annotation or abstract)		Digital technologies are changing production and consumption patterns in the cultural and creative industries. Digital media enables audience interaction and new forms of audience development. On one side, they can make culture more accessible, but on the other side, they can also deepen barriers based on the digital divide and digital skills. The dissertation is focused on various dimensions of accessibility (e.g. spatial, economic, social, digital) and their evaluation concerning the diversity of cultural visitors and inclusiveness. The dissertation aims to analyze accessibility to culture and cultural heritage, their relationships, and various types of effects (social, economic, cultural ...) to identify barriers and recommendations for cultural policies.

č. 9	Supervisor	doc. Ing. Tomáš Želinský, PhD.
Title		SUBJECTIVE PERCEPTIONS OF POVERTY IN URBAN AND RURAL AREAS
Detailed description of the topic (annotation or abstract)		Living in cities can differ from living in rural areas. These differentiations can also be associated with differences in subjective perceptions of poverty by people living in urban areas and those living in rural areas. This dissertation thesis aims to identify characteristics of individuals/households, which can help explain some of the factors of differences in poverty perceptions.

č. 10	Supervisor	Prof. Martin Užík, PhD.
Title		ECONOMIC SIGNIFICANCE OF SPORT AND THE MANAGEMENT OF THE SPORTING SUCCESS OF SOCCER CLUBS
Detailed description of the topic (annotation or abstract)		Sport is increasingly developing into an economic factor. Sport with its manifold facets is omnipresent in society today and a central element of leisure and entertainment culture. It is not only fun, part of the lifestyle and promotes the common good of our society (Breuer /

Rittner, 2004), but it also generates turnover and added value and thus creates jobs and tax revenues. There is also broad agreement among decision-makers in sports policy and sports-based economic policy that publicly supported investments in (regional) sports facilities can make a significant contribution to economic development (Preuß, H. / Alfs, Ch. / Ahlert, G. (2012)).

The importance of sport for Germany, for example, is shown by an analysis carried out by the Institute of the German Economy in 2015, where Germans spent a total of EUR 56.2 billion on active sport in 2015. This accounts for about 2.2% of GDP. It is even more interesting to look at the number of employees in sport. With a total of just under 43 million people employed in Germany in 2015, 2.8% (1.2 million employees) were active in the sports segment. Swimming, cycling and running are the most popular sports, ahead of soccer, which is only played at margin 9. In football, however, a distinction must be made between active and passive sport. While EUR 56.2 billion was spent on active sport, a further EUR 8.8 billion was spent on passive sport. With 58% of expenditure on passive sports, football is thus once again in the top position.

Professional football is becoming more and more commercialized. The most recent attempt to establish a "Super League" failed, but the big football clubs are nevertheless trying to generate success in sports through increasingly high player transfers. The aim of an empirical study should have to be a test how could be a club successful because of the relevance for the economy. On the one hand, the question arises whether the placement in a ranking table of a competition depends on the investment volume. At the same time, it is analyzed whether this relationship exhibits stability over time. Table placement was chosen because it has a direct influence on the distribution of funds in a competition. In addition, individual matches are analyzed to determine whether the investment volume has a statistically significant influence on winning a match.