THE ENTREPRENEURIAL UNIVERSITY – PROBLEMS AND EXPERIENCES

Summary: The information and communication technology revolution and the turbulence of the economy arise new demands on higher education systems across the world. The model of the entrepreneurial university is the most successful to date. Their functionality is linked to problems and success. This paper focuses on the experiences of the 15 countries.

Keywords: Entrepreneurial University, Academic Entrepreneurship, Spin-offs.

Introduction. Universities have gone through several stages of development to reach their present state, with their roles and missions changing. In the late twentieth century, the term “Entrepreneurial University” appeared in the academic literature to describe universities that have improved various mechanisms by developing their local economy and increasing their incomes. For greater clarity, we will present an analysis of the experiences of the 15 countries.

Purpose. Study of the problems and experiences of the entrepreneurial universities on the example of different countries.

Results. The education system faces unprecedented challenges due to rapid economic development and the digital era. The activities are particularly diverse by its content, which includes the analysis of experiences of various countries.

After studying entrepreneurial orientation of US universities O’Shea et al., [1] derive eight hypotheses that link attributes of resources and capabilities, institutional, financial, commercial and human capital, to university spin-off outcomes.

OECD [2] studied the best practices of entrepreneurial universities in different countries and as indicated in the research universities in Eastern Germany have developed criteria for business activities of entrepreneurial university, namely: “(i) their strategy in supporting entrepreneurship, (ii) their pool of financial and human resources, (iii) the support structures they have established, (iv) their current approaches in entrepreneurship education and start-up support, and (v)
their evaluation practices”. The same study describes one of the most successful entrepreneurial universities in France, EM Lyon Business School. As analysts point to the success here, “activities include education and teaching (seminars, Master’s degree courses and extra-curricular activities), entrepreneurship research and entrepreneurship educational research, and start-up support through provision of infrastructure (business incubator), support programs, and access to networks”.

Muscio and Pozzali [3] have given analysis “based on original data from interviews with 197 university departments in Italy. The econometric analysis provided further evidence that cognitive distance has a strong negative influence on the frequency of interactions between universities and firms”. Dominici and Levanti [4] demonstrate that academic incubators play a key role in firm viability.

According to the research conducted at the universities in Austria, Sperrer et al., [5] noted that the entrepreneurial university represents the next step of development in higher education and to get the best results students motivation has been highlighted.

Jacob et al., argue that in Sweden “the difficulties in creating the entrepreneurial university: transparency; organization of the infrastructure for entrepreneurship; integration and the commercialization of the research” [6].

Wright and Fu [7] analysed the trends in spin-outs from universities in the UK and argue that it is important to develop a more comprehensive ecosystem for academic entrepreneurship that includes a wider range of actors and mechanisms.

Bak [8] presents various aspects of Academic Entrepreneurship and its application in Poland. As a result of research, the author concludes TTOs final results directly linked to the age of TTOs and the experience of its staff.

Two Spanish entrepreneurial universities were surveyed and noted that “implementation of entrepreneurial methodologies and courses, the support for technology transfer and the development of appropriate reward systems have been some of the most successful actions adopted by the universities” [9].

After discussing the problems of knowledge triangle in Estonia, Kirch [10] considers the modernization of higher education institutions as a key element in enhancing the competitiveness of Estonian economy.

“A sample of 1,401 researchers from Portuguese universities showed that when the institutional strategy is to increase patenting and spin-off activities, the university should begin investing in
creating a networking environment capable of reinforcing the researchers’ Social Capital” [11].

After studying the two Hong Kong entrepreneurial universities Sharif and Baak (2008) concluded that “Universities should better manage TTOs, and the government, through better understanding of the capacity of TTOs to create spin-offs, should develop policy measures that facilitate the process” [12].

Mudde et al., [13] explore university entrepreneurial transformation in Indonesia with a case of Bogor Agricultural University and emphasized that the development of entrepreneurial activity, learning and teaching processes need more attention.

Studding Incubators of nine Brazilian Universities Stal et al., [14] argue that “there are few efforts to attract the academic audience, which leads to underutilization of this important channel for the transfer of research results”.

Lazzeretti and Tavoletti [15] through a case study regarding the Dutch University of Twente, argue that, “a strong entrepreneurial vision and the adoption of a different concept of knowledge may be the key for other small and peripheral European universities, in order to reach both local economic relevance and international excellence.”

In Georgia, reforms have been launched to unify science and education in one university space. We dedicated some works to the effective functioning of the entrepreneurial universities [16;17;18]. In general, Georgian authors write about the necessity of reforms in various areas of the education system, namely: Gogorishvili [19;20], Lekashvili [21;22], Papachashvili [23;24], Sepashvili [25;26], Tsetskhladze [27] and Tsetskhladze [28].

**Conclusions.** Thus, the formation of an entrepreneurial university is very important for the innovative development of the economy. It directly influences the indices that determine the innovative development of the economy.

**References**


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Гречан П.Ю.
аспірант,
Національний транспортний університет
Grechan.pavlo@gmail.com

ПРИНЦИПИ ЗАБЕЗПЕЧЕННЯ КОНКУРЕНТНИХ ПЕРЕВАГ ПІДПРИЄМСТВАМИ АВТОМОБІЛЬНОГО ТРАНСПОРТУ

Анотація: Визначено особливості формування конкурентних переваг підприємствами автомобільного транспорту. Виділено уніфіковану і спеціалізовану групу принципів, що забезпечують конкурентні