

Cooperation of small and medium-sized enterprises with research and development units

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Dissertation abstract

The topic of the dissertation, and main objective, was to analyze the cooperation of small and medium-sized enterprises with research and development units in Poland on the example of polytechnics. The dissertation defines cognitive, methodical and application and seven research questions were posed. The dissertation was divided into six chapters. In the first chapter, on the basis of the literature on the subject, the issue of the essence of the creation of innovations in enterprises, their sources, as well as the internal and external conditions of innovation activity is presented. The second chapter focuses on the specifics of the functioning of small and medium-sized enterprises in Poland. The definition of small and medium-sized enterprises is shown, as well as their classification. This part of the work also presents the determinants of SME innovativeness and analyzes and evaluation of the innovativeness of small and medium-sized enterprises. The third chapter focused on showing the cooperation of small and medium-sized enterprises with research and development units. This part of the work characterizes the R&D sector and also the forms of cooperation entered into with the R&D sector. The fourth chapter focuses attention on the methodology of the empirical study. The characteristics of the research sample were made and the course of the research was described. This part of the work indicates the provinces subjected to the study, along with the characteristics of the polytechnics participating in the study. The fifth chapter contains the results of our own research. This part of the work ends with conclusions from the conducted research, both quantitative and qualitative. Good practices for improving cooperation occurring between small and medium-sized enterprises and polytechnics are also presented. Chapter six is focused on characterizing the author's method of cooperation. This section presents the assumptions of the model of cooperation between small and medium-sized enterprises and research and development units, and characterizes its various elements. The conditions for implementation and the limitations of its application are presented. The conclusion describes the most important conclusions of the research activities undertaken. This part of the

dissertation is a synthetic description of the considerations of the research undertaken and the final conclusions.

The analysis of the research problem presented in the dissertation was undertaken using a wide range of methods and research tools such as literature studies, analysis of reports and statistical data, own research, two survey questionnaires and an interview.