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**THE ROLE OF ANALYTICAL HIERARCHICAL CLUSTERS  
WITHIN UNIVERSITY-BUSINESS COOPERATION IN REGIONAL DEVELOPMENT**

**Keywords:** Analytical Hierarchical Cluster; University-Business Cooperation (UBC); Regional Competitiveness; Regional Innovative System.

There are a lot of different kinds of problems in the countries with new emerging markets and Georgia is among them. There was a quite a big analytical work already has been done to define main contradictions of economic development of the country and many strategies are created (on the level of state, regions and local authorities), but they are more general and less correspond to the concrete needs of the economy and the society. Because of that, we decide to set up an interdisciplinary research cluster with the participation of foreign universities (from Switzerland and Poland at this stage) aiming to create scientific support for the development of the country and mainly to Imerety region.

As it is known, the clusters are geographical concentration of research/educational institutions and different businesses in specific field, which share common interests, knowledge or values, markets, combine resources and etc. In our case, this unit is considered as an “analytical hierarchical cluster” (by the principle – from top to downwards), in which case, one cluster starts to act and comprises many cases. Later on, it might be divided into little clusters according to the practical problems which are revealed in the research process, oriented on regional development and based on multidisciplinary approach. This cluster has conducted a special research in 2019, to emphasize the problems of Imerety Region, to prioritize them and to make a set of advises for the regional government.

As it appears, one of the problems need to pay an attention, is the lack of intra-regional links between different stakeholders and the market players and this situation might be changed with the help of clusters.

Within the presented research, general aim of the authors was to:

- evaluate current results of existing cluster’s operation, for its’ further perfection;
- concrete fields of main interests of UBC in the Region to orient the activities of ATSU research structural units on them (as a result of grant project “Usage of modern methods of diagnostics for the Comparative analyses of the Regions of Georgia”, #ATSU2BG3/01-19, ATSU, Kutaisi, 2019);



- find the ways of implementation of research results in academic process in order to support interdisciplinary activities and to orient them on market needs;
- find the concrete possibilities and areas for the further creation of new clusters in different directions to deepen the research profile of ATSU and develop the opportunities of commercialization of research work;
- determine the appropriateness of practical implementation of the research results' in business activities;

Based on abovementioned activities, authors will try to identify ways of dissemination of obtained particular results in other regions of Georgia.

The main goal of the research cluster, formed within the UBC, is the selection of popular and controversial issues and targeted identification of thematic fields according to the current or perspective needs. Because of that, our research was based on complex, interdisciplinary approaches. Basic methods, which were used in the research are: observing, enquiring, deep interviewing, synthesis, analysis (dynamic, comparative etc.), matching, various forecasting methods, scaling etc.

Currently, authors are making a dynamic analyses of the profitability of the companies involved in the cluster. As we predict, results should be affirmative and it will increase the number of working places, real income of customers and the gross demand on the market. Everything mentioned will result in betterment of economic development of the region and will raise its' investment attractiveness.

All the activities, that are carried out within our research, serve for the purpose to integrate resources and interests of analytical hierarchical cluster's participants, which is essential component for the close cooperation between business and university and will affect positively the regional development. Also:

- ✓ the results of the proposed study will contribute to the identification of research priorities of a newly established ATSU "Interdisciplinary Research Cluster for Doctoral and Master students";
- ✓ as a result of our applied research, it is ascertained that in order to develop and raise competitiveness of Imerety region, it is advisable to form and develop various clusters, as there are all preconditions for this in the region;
- ✓ clusters, based on UBC will play important role in creation of Regional Innovative System and investment attractiveness of Imerety Region;

The activities of the cluster should be based on the requirements of traditional regional innovative system and aim to unify business and research and academic institutions. UBC is referred to the needs of the society and advantageous areas, and the results of such cooperation go far beyond the cluster itself and impact the major part of the territory, which dynamic development is crucial for the local government.

All of the above will provide a good basis for the:



- demonstrating the ATSU research profile and establishing conditions for its future improvement;
- promoting the start and development of the interdisciplinary studies (many regional problems are multidimensional and need to be addressed from different);
- rising the awareness and motivation of the businesses to base their development on the research and to investing more in R&D (R&I);
- increasing the capacity for further improvement of the Imereti region's development strategy.

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### РОЗВИТОК ПРОМИСЛОВОСТІ В КОНТЕКСТІ ВИРІВНЮВАННЯ МІЖРЕГІОНАЛЬНИХ ЕКОНОМІЧНИХ ДИСПРОПОРЦІЙ

**Анотація.** В дослідженні розкрито наявні міжрегіональні економічні диспропорції та обґрунтовано, що однією з їх головних причин є недостатній промисловий розвиток. Розкрито промисловий, інвестиційний та трудовий потенціал регіонів, що може стати рушійною силою для вирівнювання регіональних економічних диспропорцій, а також обґрунтовано форми включення регіонів з низьким промисловим потенціалом у міжрегіональні виробничі ланцюги. Визначено нові завдання сучасної регіональної промислової політики, спрямовані на подолання відцентрових тенденцій регіонального розвитку.

**Ключові слова:** вирівнювання регіонального розвитку, промисловість, регіональна політика, міжрегіональні економічні диспропорції, децентралізація

**Проблема дослідження та її актуальність.** Зростання асиметрії регіонального економічного розвитку в Україні значно стримує досягнення стійких темпів економічного зростання країни. Диспропорційність між регіонами вже виявила себе в негативних наслідках для економіки, особливо на прикордонних територіях. Стрижнем укріплення економічного становища регіонів, як показує досвід економічно розвинутих країн, є промисловість. В Україні частка промисловості в економіці регіонів варіює від 6,6 (Чернівецька обл.) до 44% (Донецька обл.), а переробної – від 6,2 (Чернівецька обл.) до 30,8% (Запорізька обл.), виміряні за часткою валової доданої вартості у ВРП. При цьому валовий