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Public-private partnership as a tool for development of innovative economy

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Abstract

The article focuses on the role of public-private partnership in the implementation of projects and programs in the area of innovation. In particular the factors restraining the development of this cooperation are given and recommendations for the use of its mechanisms in the development of processes of innovation investment in the domestic economy are formulated.

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1. Introduction

At the present stage of development of the Russian economy one of its main tasks is to transition to an innovative model of development.

In the modern understanding the innovative economy - is a social reproduction based on knowledge, innovation, on a scientific generation and perception of new ideas, on the availability of preconditions and readiness to create the system technologies, the ability of their implementation in corporate production systems and in various spheres of human activity (Gamidov G.S., 2003).

The transition from a resource-based economy to an innovative way of development requires substantial investment to modernize our economy. However, due to budgetary constraints there is a problem of financial support and development of the innovative kind of projects, as well as mechanisms of investment in innovation.

Consequently, there is an objective need for cooperation of forces and means of the state and the private sector. The need for PPP in innovation is due to the fact that innovative activity is not entrepreneurial activity in its pure form. The state should perform a dominant role in the financing of innovative projects at an early stage, when required "money for sowing" («speed money») and reliable guarantees for the start.

To date, the phenomenon of innovative public-private partnership is not sufficiently developed and studied. Development of innovative potential of the regions, the study of innovation as a factor for sustainable growth and competitiveness of the national economy in a globalized world economic relations are the main subjects to which the works of foreign scientists and economists as Chen J. (2012), Cooke P. (2013), Hagland M. (2012), Nijkamp P. (2014), Orman C. (2015) are devoted to.

Significant contribution to the development of concepts of PPP and Development Studies of the theory and methodology of interaction between government and business structures made by such foreign scientists as Biermann F. (2010), Chan A. P. C. (2014), Klijn E.H. (2013), Linder S. H. (1999), Marques R.C. (2014), Pattberg P. (2012).

Questions of public-private partnership in innovation sector of transformation economy was investigated by Cheung E. (2014), Ke, Y. (2010), Lam P.T.I. (2014), Tang, L. (2010), Wang S. (2012).

Despite the wide range of research in the field of formation of an innovative economy, many issues of formation of the national innovation system in the framework of public-private partnership have not yet received their studies and remain controversial.

For the successful development of an innovative economy in Russia it is necessary to investigate the integration efforts of the authorities, education, science and business, which are the main components of the partnership in innovation sector.

2. Theory

The concept of public-private partnership in innovation sector was identified in 2002 by the OECD Committee for Science and Technology Policy as follows: under the public-private partnership is defined as "any formal relationship or agreement for a fixed or infinite period of time, between public and private actors, in which both sides cooperate in the decision making process and co-invest limited resources, such as money, personnel, equipment and information, to achieve specific goals in a specific area of science, technology and innovation".

The purpose of the public-private partnership (PPP) in innovation sector is aimed to the development of scientific and technological potential and the formation of a competitive industry for the functioning of the domestic and global markets. As a part of this partnership roles of the participants are distributed as follows. The State shall establish the "rules of the game", enabling institutional environment for the activities of all the participants, promotes the production of fundamental knowledge (public research centers, academies, universities), provides the necessary database on the developed technology, and business, in turn, creates a technology based on its own research and development and materialize scientific ideas.

In domestic conditions the main innovation indicators include, among others: the share of the manufacturing sector, as well as the share of innovative products in the industrial production, the share of total R & D expenditures in the GDP, data on the structure of exports and imports, the amount of per capita income and employment, on the share of private and public spending on health and education in GDP.

3. Results

In contrast to more developed an innovative systems in Russia it is not enough developed system of public-private partnership in the implementation of innovative projects - the proportion of organizations receiving funding from the budget for these purposes, is 0.8 percent (in Germany - 8.8 percent, in Belgium - 12.7 percent). Also, the lack of support is to the creation of small innovative businesses. The volume of research programs in small business innovation and technology transfer of small businesses in the United States is 2 billion US dollars, Russian innovative component of the program to support small and medium-sized businesses, implemented by the Ministry of Economic Development of the Russian Federation in accordance with the decision of the Government of the Russian Federation on February 27, 2009, the number 178 "On the distribution and provision of subsidies from the federal budget of the Russian Federation for the state support of small and medium-sized businesses, including peasant (farmer's) economy", equivalent to about 67 million US dollars, the amount of financing of the Fund for Assistance to Small Innovative Enterprises in the sphere of science and technology - about 113 million US dollars. Current public purchasing system prevents access of innovative products to the state order.

The main areas of PPP in innovation sector are the participation of the state in the development of venture capital financing; public-private funding of various programs of innovation orientation, state order for research and development; state support to the establishment of institutions of a modern market innovation, technology transfer centers, patenting and intellectual property rights protection product.

Today in the international standing there are positive developments in terms of development of the PPP in innovation sector suggested by the successful projects. These include: The program of cooperative research centers in Australia; programs of competence centers in Austria; Dutch program "Leading institutes of technology"; Spanish program of technological support centers; "National Centers for Technology Research and Innovation" in France, and others.

It should also be noted successful example of PPP in the field of innovation and high-tech industries of national practice - cooperation between business and government in the framework of the aircraft leasing company "Ilyushin Finance Co.". In the course of business, according to the partnership was established portfolio to several billion dollars, which is a powerful engine in the development of national aircraft industry. However, innovative

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