

COORDINATING COUNCIL FOR YOUTH IN SCIENCE AND EDUCATION UNDER THE RUSSIAN PRESIDENT'S COUNCIL FOR SCIENCE AND EDUCATION - BRING TOGETHER COMPANIES AND UNIVERSITIES FOR MODERNIZATION OF RUSSIAN ECONOMICS

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ABSTRACT

Coordinating Council for Youth in science and education under the Russian President's Council for Science and Education began its work in 2007. In 2011, the leadership of the country was given the task of creating youth innovation center (YIC) for large companies, which would attract young scientists from universities and research institutes and created them certain conditions for the implementation of their ideas and developments in practice. Company, which responded to the offer of the President of Russia was "IDGC Holding» (<http://www.holding-mrsk.ru/>) JSC IDGC Holding. As a result, half past year a number of youth innovation centers were created. Such cooperation with the Coordination Council was born and practically embodied the very constructive idea of the first National Youth Competition intensive innovative ideas and projects titled "Future Energetics". This competition was attended by over 180 participants from more than 81 regions of Russia. Now our task to invite all the leaders of the Russian economy. There already exist a preliminary agreement to hold similar competitions industrial grants to other major Russian companies. In the future, we want these competitions, but rather a system of working with young scientists, not only with universities and institutions, but also with some promising innovators and their teams have been stated in the program of innovation development of any company, not necessarily belong entirely to the state. And it's not so distant future, it may seem, but rather an imperative.

KEYWORDS

Coordinating Council, youth, youth innovation centers, SIC, small businesses, public corporations, innovation, Triple Helix

1 COORDINATING COUNCIL FOR YOUTH IN SCIENCE AND EDUCATION UNDER THE RUSSIAN PRESIDENT'S COUNCIL FOR SCIENCE AND EDUCATION

Coordinating Council on Youth in scientific and educational spheres of the Council under the President of the Russian Federation for Science, Technology and Education was created in late March 2007, with the approval of the President. First Coordinating Council included 37 young scientists from research centers and universities from throughout Russia. Since October 2011, the Chair of the Coordinating Council is a member of the Council under the Russian President for Science, Technology and Education, Vice rector of the Voronezh State University, Doctor of Biology, Professor V.N. Popov.

Currently, the Coordinating Council composed of 40 young scientists, among them representatives of the leading universities, research institutions of the state academies, public research centers and other scientific associations, heads the council of young scientists and specialists of the federal districts and regions, departments and branches, representatives of high-tech sector, civic leaders of youth in education, science and innovation. On 19th March in 2008 was a meeting of the Presidium of the Presidential Council of the Russian Federation for Science, Technology and Education, where was a discussing of the report of the Coordination Council of "Actual problems of reproduction frames in scientific and educational sphere and Solutions", which includes an assessment of the situation and offer young scientists development of a system of reproduction of scientific and pedagogical staff.

In 2007-2008, the main task of the Coordination Council was to create public peer network of young scientists and specialists who are not indifferent to the destiny of science and education in Russia, in order to monitor the situation of scientific and teaching youth, as well as the status of human resources research and educational sectors as a whole. However, in 2009-2010, the solution this problem has reached a new level: with the direct involvement of the Coordinating Council was established network of National Councils of young scientists and specialists, combining tips 81 of the Russian Federation, the Council of Young Scientists of individual universities and research centers, as well as representative bodies of the young scientists of national academies, several branches of knowledge-based industries, ministries and agencies. In late 2008, the Presidium of the Presidential Council approved the concept of information-analytical support of young scientists. In early 2009, began working web site "Russian President - young scientists and specialists» (www.youngscience.ru). In late 2010, work began on the development of a database of the National Information Management System to support young scientists, university professors and experts knowledge-based sectors of the economy, "Young Scientists of Russia."

On 8th February in 2011 there was a meeting of young scientists with the President of the Russian Federation organized with the active participation of the members of the Coordinating Council. Following the meeting, a list of instructions has been prepared by the President of the Russian federal and regional authorities on issues of public support for the reproduction of scientific and scientific-pedagogical personnel, housing young scientists, the development of its innovative activity, etc. At the meeting, register of high-tech innovation projects of young scientists in Russia (which is now widely used to create the state of electronic platforms of dialogue of science and economics) was handed for the President. Another important result of the work of the Coordinating Council for the period since its inception nearly five years ago were:

Active participation in the development of proposals for the establishment of the Russian Federation Presidential Award for Young Scientists, and then - in the conduct of four cycles for the selection and approval of candidates for the Prize; development of proposals for the improvement of the national voucher system in the first place - Grant of President of Russian Federation for young and Ph.D.; participate in the development and promotion of the Federal Target Program "Scientific and scientific-pedagogical personnel of innovative Russia", and then - in the discussion for the competition, the Federal Program "Scientific and scientific-pedagogical personnel of innovative Russia" and the working groups on measures of FTP; The activities of the Coordinating Council in 2011 was aimed primarily at promoting the implementation of the above orders of the President of Russia. Special attention was paid to the creation of youth innovation centers and a pilot competition of innovative projects of young scientists to receive the authors of the best of them so-called innovation grants from the companies. The first such competition - "Energy of the Future" was organized with the support and participation of JSC "IDGC Holding" (Fig. 1).

2 TRIPLE HELIX SYSTEM TO ORGANIZE THE FIRST ALL-RUSSIAN COMPETITION OF INDUSTRIAL GRANTS WITH PUBLIC CORPORATIONS.

Our life dictates cooperation with domestic knowledge-based economy. For many years, we are talking about the need for innovation, but for some reason, the emphasis has been on small innovative enterprises created at universities or institutions, without asking our big business - and then, in fact, it needs to develop. May be this is the cause of an approach Triple Helix to establish network in Russia, "industrial" grants. In recent years there has been a clear movement towards cooperation between science and domestic companies with government involvement - from the level of the President, to regions: development of innovative development program 47 largest and most important of industrial companies. However, this is still not enough.

It is obvious that the relative motion of science to production efforts should be made to accelerate additional actions.



Figure 1. Meeting of the organizing committee of the competition "Energy of the Future." There are executives and managers of IDGC Holding and Coordinating Council at the table.



Figure 2. IDGC on the map of Russia.

In February 2011, at a meeting with President of the Russian Federation Dmitry Medvedev, the Coordination Council gave him the roster of nearly 500 innovative projects of young researchers. There is a question was raised about the establishment of youth innovation center (YIC) for large companies, which would attract young scientists from universities and research institutes and created them certain conditions for the implementation of their ideas and developments in practice. Of course, this activity is carried out on a contractual basis, and if all the young people's rights to their intellectual property (that is unprecedented in terms of Russia factor). The idea was supported and reflected in the orders of the President. The Coordinating Council and JSC "IDGC Holding" held meetings on the establishment of the SIC In March and April last year . Soon after agreement with regional leaders created the first SIC: the responsibility of IDGC of Center and Volga Region - in the Republic of Udmurtia (Izhevsk), IDGC of Centre - in Yaroslavl, Belgorod and Voronezh regions, IDGC of Volga - in Samara, IDGC of the Urals - Yekaterinburg "Yantarenergo" - in the Kaliningrad region, IDGC of the North Caucasus - in the Stavropol region. The next step - the creation of such centers in Moscow and Chelyabinsk regions, Krasnodar Territory, as well as in other regions of the country (Fig. 2). The cooperation of JSC "IDGC Holding" with the Coordination Council was born and practically embodied very constructive idea first All-Russian youth competition for innovative ideas and high-tech projects, entitled "Energy of the Future." More than 180 young researchers and their teams povsey Russia responded to the call and sent their work - the innovative potential of a single national science competition, of course, is not exhausted.



Figure 3. Winners of the "Energy of the Future" - a prototype of nationwide system of "industrial" grants.

Almost all Council of young scientists and specialists of the Russian Federation, which is 81 regions were involved. Certainly, we can not say that the resulting sample covers all those who have something to offer our electricity system and electricity transmission and distribution (Fig. 3). This competition has got a great future. This competition just the beginning, this is an opportunity to practice the ideas Triple Helix for distribution throughout Russia. Then there are obvious interests of all constituents.

State is the possibility to have a scheme in which a research made by order of real state-controlled industrial companies. Interest of universities is to conduct research on real long cycle orders secured with real money and the opportunity to prepare the educational process for students at these areas. Local governments have the opportunity to increase the number of real jobs and university rankings, won the grants. State corporations are able to make a real order to research by creating and monitor the examination of projects, select that - that really can be done and what will work on their equipment in their real environment. This is real so-called "industrial grants" holding such competitions can be fun and other giants of Russian business having a network structure and strong financial position. In the future we want that these competitions and a system of working with young scientists, will not be only with universities and institutions, but also with some promising innovators and their teams have been stated in the program of innovation development of any company, not necessarily belong entirely to the state. Vladimir Putin said "this year the companies with state send its innovative programs about 950 billion rubles, and the next, in 2013, domestic demand for innovation at the expense of public companies will increase to 1.5 trillion rubles." This is a great deal, and together we must make sure that they are spent for the benefit of companies, universities, and the talented young scientists, and, of course, the whole country.