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## Institute of Social Security as A Factor of Innovative Development of The Petrochemical Complex

Fakhrutdinova E.<sup>a\*</sup>, Shigabutdinov A.<sup>b</sup>, Safina L.<sup>c</sup>, Fakhrutdinov R.<sup>d</sup>

<sup>a</sup> Kazan Federal University, Kremlyovskaya 6/20, Kazan, 420008, Russia

<sup>b</sup> The Kazan State University of Architecture and Engineering, Amirhana 6-4, Kazan, 420126, Russia

<sup>c</sup> Kazan Federal University, Ysmanova 21-31, Kazan, 420095, Russia

<sup>d</sup> Saint-Petersburg State University of Economics, Kremlyovskaya 6/20, Kazan, 420008, Russia

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### Abstract

The problem of finding ways for the innovative development of the country became particularly acute for Russia in recent years. Global Innovation Index of Russia by INSEAD assessment in 2013 fell (62 among 142 countries in the world) and in terms of the innovative effectiveness Russia is only on 104<sup>th</sup> position. Stirring up innovative processes of the petrochemical complex is essential not only for the restructuring of this sector of the economy, but it is also a factor of development of entire regions of Russia. Aim of this study was to determine the influence of various institutions on the development of innovative mining and oil refining. Regional reserves savings and implementation of innovative potential of enterprises depends on the human factor. It has been revealed that the greatest significance for the disclosure of innovative capacity is a list of factors affecting increase in the degree of satisfaction with the quality of work life of employees. A special place in the development of quality of working life in the petrochemical complex has Social Security Institute. The key aspects of the implementation of social security programs in the petrochemical complex have been considered. The main problems of the social rights of working people in the social insurance system have been revealed. Key directions of development of voluntary social insurance in enterprises of the complex have been proposed.

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### 1. Introduction

At present moment, researches of economic development capacity issues in are directly linked with the

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\* Elena Fakhrutdinova. Tel.: +7-987-290-2738

E-mail address: [EFahr@mail.ru](mailto:EFahr@mail.ru)

possibility of the economy or a region to an increase of high-tech manufacturing. For example, a sixfold increase in high-tech production in China from 2003 to 2012 allowed the government to increase the share of the world market to 24% and high economic growth during the global economic crisis. Development of chemistry and petrochemistry is one of the key elements in achieving the indicators of innovation development in Russia. Though, the chemical industry consumes up to 25% of its own products that have been, at least, through a minimum-process, still, among the major sectors that determine the demand for products are automotive, textile, metallurgical industry, etc. So, growth in the share of innovative products of chemical production affects innovation in other industries. In 2013 was a process of preparation of the "Strategy of development of chemical and petrochemical complex through 2030" with accepted in March 2012 priorities in terms of development of gas and petrochemicals in Russia until 2030. The central idea of the Strategy is a cluster approach to the implementation of the project, industry investment growth, at least 180 billion rubles a year, and the growth of its capacity. The objectives of the strategy are also improvement of productivity by more than 5 times and the decline in the share of imports in the segment more than 7 times.

This ambitious project includes not only an extensive way to build up the volumes for overcoming the failures of the industry in the 90's, but intensification of the process, development and introduction of domestic innovation, including nanochemistry.

## 2. State of innovative activity of the chemical industry

Russian chemical production has a considerable potential for growth. However, government's role in stimulating innovation and investment has not demonstrated the expected efficiency. Most requested institutional changes by the owners of the chemical industry are not carried out, the legal framework does not work to forestall events.

As a result, the production index of the chemical industry, rubber and plastic products, manufacture of coke and petroleum products in 2012 is lower than it was 2000, Table 1 (HSE Data Books. National Research University Higher School of Economics, 2014)

Table 1. Production index, in %

	2000	2007	2008	2009	2010	2011	2012	2015*
Chemical production	115,2	106,6	95,4	93,1	114,6	105,2	101,3	175,2
Manufacture of rubber and plastic products	126,1	125,5	122,8	87,4	121,5	113,1	107,4	264,9
Manufacture of coke and petroleum products	102,4	102,8	102,8	99,4	105,0	102,9	102,2	-

\* "Development Strategy for the chemical and petrochemical industry in Russia for the period up to 2015" forecast

Achievement of the targets of production index for 2015 in the framework of the current "Strategy of development of chemical and petrochemical industry in Russia to 2015" seems difficult. Russian chemical complex forms not more than 1.5% of the gross domestic product of Russia (estimate assessment for July 2013) while the implementation of the strategy involves at least 2.9% share of the chemical industry in 2015, indicating the omission in the implementation of strategy. Analysis of the indicators, presented in Table 2, 3, 4 and 5 (HSE Data Books. National Research University Higher School of Economics, 2014), including the aggregate level of innovation activity, the expenditure on innovation, the proportion of organizations implementing technological innovations, including the types of innovations, indicates actual failure of the strategy in terms of enhancing innovation processes in the industry.

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