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ON THE CONDITIONS FOR THE FORMATION OF NOOSOCIETY IN RUSSIA

Abstract: It is emphasized that the transformation of modern society into a noosociety is impossible without a noodevelopment strategy that takes into account the interaction between a human, nature and society according to the law of movement (fluctuation) of contradiction. The necessity of adopting a state ideology in Russia is substantiated. It is explained why only the ideology of noodevelopment can be such an ideology. The author notes that its adoption is the main condition for the formation of a noosociety in Russia, and argues that there are objective prerequisites for it. The author gives an interpretation of the concept of noodevelopment ideology. The main tasks of noodevelopment are formulated, which must be solved at the first stage of the transition towards a noosociety. The author elaborates on the concept of a scientific and educational society as a form and carrier of the synthesis of science, education and upbringing - the basis for the formation of a noosociety. It is emphasized that people with a harmonious combination of scientific-technical and humanitarian cultures play a decisive role in this process, and therefore it is necessary to expand the scope of education at the interdisciplinary level. It is explained why the second most important condition for the formation of a noosociety in Russia after ideology is the creation of a dual-circuit monetary and financial system.

Keywords: law of movement (fluctuation) of contradiction, noosociety, noonomy, ideology of noodevelopment, scientific and educational society, scientific-technical and humanitarian cultures, project-target approach, dual-circuit monetary and financial system.

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在俄罗斯形成智慧经济所需条件

摘要:文章强调,没有智慧型发展战略现代社会就不可能过渡到智慧社会,这种发展战略的特点是需 要考虑到人、自然与社会在矛盾运动规律作用下的相互影响。作者论证了俄罗斯确立国家意识形态 的必要性,并说明了为什么俄罗斯的国家意识形态只能是智慧型发展思想。作者指出,在俄罗斯确立 国家意识形态是形成智慧型经济的重要条件,而俄罗斯具备所需的客观条件。作者具体阐述了智慧 型发展思想的内容,指出了向智慧型社会迈进的第一阶段必须完成的基本任务。作者还阐释了科学 教育型社会是科学和教育结合的载体和形式,是形成智慧型社会的基础。作者强调,在智慧型社会的 形成过程中,具备技术和人文素质的人具有决定性作用,因此,必须在跨学科基础之上扩大对人进行

培养的学科领域。作者说明了在俄罗斯建立金融双轨制度是继意识形态之后的第二重要的智慧社会形成条件。

关键词: 矛盾运动规律、智慧社会、智慧经济、智慧发展思想、科学教育型社会、技术文化和人道文化、预定目标法。

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Introduction

As defined by the Corresponding Member of the Russian Academy of Sciences S.D. Bodrunov, noosociety is a society “which material basis of existence and satisfaction of people’s wants is noonomy”, which is based “on the non-economic type of satisfaction of human wants formed through a new quality of production, where a person will become, in accordance with Marx’s foresight, “beyond the actual material production” [Bodrunov, 2019a, p. 15] its “supervisor and controller” [Bodrunov, 2019b, p. 356].

The fundamental difference between the economic system in the noosociety and the existing economic system is “the absence of relations between people in the process of material production”, and, accordingly, noonomy is “a non-economic way of organizing the economy to meet the wants, which is carried out by a person who has gone beyond the limits of material production” [Bodrunov, 2019b, p. 357].

“During global transformation of modern society into a noosociety, the principal source of production development will be knowledge, not material resources; the currently dominant simulative wants will recede into the background, displaced by the want for knowledge; humanity will face the need to shift from consumption of natural resources to rehabilitation of geo-biocenoses; traditional categories and laws of the economy (value, ownership, money) will lose their common meaning, if not disappear at all” [Bodrunov, 2019b, p. 356].

S.D. Bodrunov notes that “new industrial society and economy of the 21st century should become a “negation of negation”, a dialectical sublation of both late industrial system described by J.K. Galbraith, and information and post-industrial trends examined by D. Bell and his followers” [Bodrunov, 2018, p. 68]. Culture and lifelong education in such a society will become preconditions for efficient production activity, and the leaders will be those who tune in to knowledge-intensive production, the progress of human qualities and the solution of problems of noodevelopment, and not conventional economic growth.

Global transformation of modern society into a noosociety is impossible without a noodevelopment strategy [Bodrunov, 2019c; Bodrunov, Kvint, 2021; Bodrunov, Kvint, 2022]; this strategy should take into account the interaction of man, nature and society according to the law of movement (fluctuation) of contradiction, which the author of this article calls the “law of cycle”.

Research Methodology

The law of cycle is not the well-known law of cyclicity, but the law of internal – quantum – nature of any cycle, including the cycles of consciousness and thinking, which are still not deeply understood.

This law expresses the fact that any interaction of any energy-informational spheres of the universe in any system is ensured by quanta, the structure of which is cyclic, that is, in order to preserve the integrity and basic features of the system, reverse action processes necessarily begin at some point [Tsukanov, 2019, p. 180].

According to the law of cycle, the movement of contradiction always occurs between two opposite poles when the magnitude of the opposite forces changes with a periodic change in the direction of movement, depending on which of these forces is dominant.

The law of cycle is a universal law that reflects three dialectical laws: the law of unity and struggle of opposites, the law of transition of quantitative changes into qualitative changes (when quantity goes beyond the limits of measure) and the law of negation of negation as the law of development of nature, society and thinking.

Therefore, the basic tool for analyzing systems, processes, phenomena and events based on the law of cycle is dialectical logic.

This analysis includes the following steps [Tsukanov, 2019, p. 182]:

- 1) establishment of interdependent poles of the cycle;
- 2) determination of opposite forces and the rate of their change;
- 3) identification of phase patterns;
- 4) study of the influence of other cycles on the cycle under consideration.

Any cycle has red lines, the crossing of which means the destruction of the cycle, and, consequently, the destruction of the corresponding system.

For example, Russia has now been brought by external forces and the internal forces engaged by them to the “red line”, beyond which it cannot retreat, because this is a matter not only of its existence, but also of the existence of all mankind.

Findings and Discussion

Modern geopolitical reality is a hybrid war of civilizations.

The movement of global contradiction is now observed in the struggle between China and the United States as two ideological poles with powerful economies.

China, as a state with a communist ideology enshrined in its Constitution, uses world capital, based on its utility value for the development of the country, creating special economic zones for this purpose with strict control; moreover, its controlling authorities are neither administrative nor judicial agencies. In other words, capital in China does not shape any political and economic agenda, it has no real power. Through this, “the Chinese economy today is already working two orders of magnitude, i.e., 100 times more efficiently than the American one...half of the gross domestic product is invested in new capital formation, in development” [Glaziev, 2020]. Chinese financial system creates just enough money for economic development, and their creation does not have an inflationary effect.

As noted by Academician of the Russian Academy of Sciences S.Y. Glaziev, Russia has “vast opportunities and reserves, and, if viewed scientifically, we see and understand how to activate these reserves and ensure rapid economic development”, but “we have no ideology, which means that the libertarian ideology dominates here, everyone defends his/her own interests, but in fact money talks” [Glaziev, 2020].

Article 13 of the Constitution of the Russian Federation states that Russia “recognizes ideological diversity” (para. 1), and “no ideology can be established as a state ideology” (para. 2).

At the same time, provisions in many of its other articles meet the definition of the ideology of liberalism.

Having rejected the state communist ideology, the Russian government built a kind of social system in the form of state-monopoly capitalism. The principal of our economy is the financial capitalocracy.

However, in order to ensure advanced rates of economic development, Russia needs, according to S.Y. Glaziev, “ideology of a common cause, common good” [Glaziev, 2022].

Thus, our country has an objective long-felt need to adopt the *state ideology*. Such an ideology can only be the ideology of noodevelopment, because only this concept is an ideology that unites society in the entire range of political, economic, cultural, historical, social and humanitarian values.

Besides, there are objective prerequisites for its adoption as the state ideology of Russia.

Since the noodevelopment of society is an objective process of transition to a new industrial society of the second generation. This process already proceeds at a great pace: the priority is the development of science-driven and knowledge-intensive production which is integrated with science and education into a single circuit, i.e., there is a process of creating nooproduction; culture and lifelong education are becoming the main factors in improving the quality of labor resources and labor productivity; cultural imperatives acquire the status of principal ones in determining human wants. This is what creates the objective prerequisites for the transition from economic man to man of culture.

S.D. Bodrunov notes: “Either society will not be able to adjust the capabilities of technical revolution towards its own improvement, will become engrossed in false goals and values, will exacerbate the negative trends of modern civilization up to the loss of its own essence by a man, or humanity will be able to reformat the current civilizational attitudes ... We are talking about transition to the phase of reasonable economic management, to the noophase. At this phase, nooproduction, separated from man and society, remains subordinate to society in terms of its goals and objectives. With the development of noosociety, with the transition to nooproduction and noowants, there is a transition from economic rationality to noorationality, so, this new nature of rationality and, accordingly, the new certainty of development goals become of paramount importance and act as the basis for changing the nature of social relations, which are becoming more and more non-economic” [Bodrunov, 2019a, p. 14].

The ideology of noodevelopment as a form of worldview, as viewed by the author of the article, is a system of the following ideas for scenario of the future (according to S.D. Bodrunov):

1) knowledge-intensive material production becomes the basis of society; science actually becomes a direct productive force; and culture and lifelong education become essential conditions for efficient production activity;

2) simulative wants fade into the background, replaced by the want for knowledge; the economic way of satisfying wants is replaced by a non-economic way; and the system of wealth inequality is sublated by the system of inequality of skills and abilities;

3) humanity is moving from consumption of natural resources to rehabilitation of geo-biocenoses; the traditional categories and laws of the economy (value, ownership, money, etc.) are losing their common meaning, if not disappearing at all.

Adoption of the state ideology of noodevelopment means choosing the path of movement not just towards a socialized society, but to a noosociety where labor becomes free in form and scope.

The author of this article formulates the major tasks of noodevelopment that need to be addressed at the first stage of movement towards a noosociety as follows:

1. Integration of industrial, scientific and educational systems based on industrial (technological) research and educational complexes.

2. Increasing the area of production through the establishment of innovative international strategic alliances.

3. Improving the quality of labor forces, labor productivity and production efficiency, primarily through expanding the area of lifelong education.

4. Increasing the role of mind transfer as the mind of people with noospheric thinking, along with the creation of new knowledge.

5. Expansion of the life sphere of human as an individual, reduction of his role as an official; decrease in the role of an official as an administrator, but increase in his role as an analyst, forecaster and manager.

The process of noodevelopment should objectively form a scientific and educational society as the basis for the formation of a noosociety.

Academician of the Russian Academy of Natural Sciences A.I. Subetto defines a scientific-educational society as a society where:

1) the law of priority development of human quality, the quality of educational (public teaching) systems in society and the quality of public intelligence is observed;

2) education performs the function of the basis of non-material and material reproduction, and science becomes a direct productive force and management force;

3) actual synthesis of science and political power is ensured, the main quality of which is the management of socio-natural evolution, accompanied by an ascent along the quality levels of both science and political power in the process of further social evolution [Subetto, 2016, p. 30].

Objectively, academic consortia “Vernadsky”, which are strongly supported by regional authorities, should make a great contribution to the formation of a scientific and educational society.

The project for their creation was proposed by the rector of Moscow State University in 2018 and supported by the President of the Russian Federation. Consortia integrate the capabilities of leading universities, academic institutions, scientific organizations and high-tech companies for the purposes of socio-economic and innovative development of regions, efficient utilization of the most recent advances in education, science and technology. Project objectives:

1) enhancing the unity of the all-Russian educational environment;

2) establishment of centers for training qualified personnel, taking into account the requirements of digital economy and the objectives of regional development;

3) use of innovative and scientific infrastructure of leading universities for the benefit of developing the workforce capacity of the regions.

In the process of establishing a scientific and educational society as a form and carrier of the synthesis of science, education and upbringing, people with a harmonious combination of scientific-technical and humanitarian cultures play a critical role.

Without the rapprochement of these cultures, it is impossible to solve the interrelated and interdependent global problems of mankind, posed by the progress in science and technology.

Scientific-technical culture provides knowledge and transformation of natural objects. Its features include: proficiency in mathematical tools; disciplined knowledge acquisition; accurate

calculation; logically derived assumptions; handling of idealized objects; focus on formalized languages.

Humanitarian culture ensures the harmony of the culture of knowledge, feelings, communication and creative action. Its features include: intellectual wealth of a person; spiritual wants and abilities; humanistic value system in professional activity; continuous need for self-development as a social personality.

To expand the scope of people with a harmonious combination of these cultures, it is necessary to expand the scope of education at an interdisciplinary level.

Chairwoman of the Moscow Confederation of Industrialists and Entrepreneurs, State Duma Deputy E.V. Panina, in her closing speech at the Moscow International Engineering Forum on November 26, 2019, said: “We have moved to the stage of development where a lot of training needs to be given at the interdisciplinary level.”

The monograph [Kuznetsov, Kuznetsov, Bolshakov, 2018] examines the problem of synthesis of interdisciplinary knowledge not as a stand-alone issue, but as one of the sides of the single problem of designing sustainable development based on the fundamental laws of conservation and development in the “Nature – Society – Man” system, but the synthesis occurs in the “Space – Time” system.

In the noosociety, the priority will be the noosynthesis of products, defined by the author of this article as an automated (computer) synthesis in generalizing parameters (generalizing coordinates) according to the principle “from qualitative characteristics of a product to its manufacturing technique” [Tsukanov, 2019, p. 181].

In the noosociety, along with the development of digital technologies, entirely new analog technologies based on quantum computers and nature-like (convergent) technologies will be evolving, the development of which is the main area of research efforts at the National Research Center Kurchatov Institute.

Its president, Corresponding Member of the Russian Academy of Sciences, M.V. Kovalchuk, in his speech at the “New Knowledge” Marathon on May 22, 2021, emphasized that “we live in a revolutionary period where humanitarian and natural science knowledge merges and, moreover, humanitarian knowledge turns into technologies” [Kovalchuk, 2021]. But he also emphasised that the knowledge of how to technologically reproduce natural systems can be used to purposefully interfere with human life and, worst of all, to interfere with the process of human evolution.

This knowledge is used in two tiers: biogenetic and cognitive.

Nano-biotechnology is the basis for creating artificial living systems with desired properties, including those that do not exist in nature. But a self-reproducing artificial cell can be used both for medical purposes and in the military as a discriminatory weapon of mass destruction.

Cognitive technologies of influencing the psychophysiological sphere of a person can be used to form a given idea of reality, control person’s life systems as desired, create integrated human-machine systems driven externally, and control individual and public consciousness.

Since the synthesis of science, education and upbringing involves the arrangement of education on an integrative basis, its most important prerequisite is the use of a project-target approach to the arrangement of education.

With this approach, the goals, scope and methods of education are considered as an innovative project on an integrative basis; the goals have backbone, modeling and criterion functions in the design process; the principle of integrity is implemented.

Accordingly, the main goal of education should be the formation of a society of holistic individuals capable of designing and shaping the noospheric future; and the criteria framework intended for management of target indicators characterizing the level of achievement of goals should be established based on the goal of ensuring the noospheric quality of life of society and its social groups, human and family quality.

The use of a project-target approach to the arrangement of education makes it possible to overcome the organizational disunity of teachers in the preparation of basic educational programs and configure them as a set of interrelated modules, to ensure interdisciplinary and subjective integration, systemic integrity of teaching forms and methods, a high level of project culture, the formation of a communicative and creative personality willing to increase social and professional mobility.

To achieve the main goal of education, knowledge of noospheric psychology is required [Shvanyova, 2005], which studies the socio-historical nature of human mental development and the evolution of personality in the global process of evolution of our civilization. This knowledge shapes a holistic personality by integrating present-day developments of various sciences (genetics, quantum physics, synergetics, psychophysiology, pedagogy, etc.).

Where psychological and psychophysical tools are used as a means of forming a mentally resilient personality in its continuous intellectual and spiritual evolution, then it is not the material-sensual “Ego” of a person that comes to the fore, but its spiritual and moral “Self”.

As an academic discipline, noospheric psychology aims to build competencies that ensure the development of abilities to adequately use cultural criteria in professional activities and put new ideas into practice that meet the requirements of society’s noodevelopment.

Since the role of forces and trends uncontrolled by man is growing in modern individualized society, those manifestations of the human spirit that inspire people to socio-political activity are weakened. Therefore, the topical problem of education and upbringing is the problem of basic education in political life of society.

Winner of the “Leaders of Russia. Politics” Contest M.A. Dreval at a meeting of the Supervisory Board of the ANO Russia – a Land of Opportunity on March 26, 2021 (attended by V.V. Putin) proposed the idea of creating a modern and technologically advanced knowledge platform that would be based on the unique educational experience and traditions that existed in the Soviet Union.

V.V. Putin, in his Address to the Federal Assembly on April 21, 2021, said: “The activities of the Knowledge society must be restarted on a modern digital platform. Government officials, business leaders, scientists and popular science communicators, media industry experts speak today at the federal educational marathons of the renewed Knowledge society.”

In order to provide conditions for the transition of civilization into the era of its noospheric-cosmic history, the Russian Space Society was established on October 25, 2017. To achieve this goal, it has already implemented more than 90 projects in the fields of culture, upbringing, education, science, ecology, etc. using a project-target approach to managing the future.

After ideology, the second most important condition for the formation of a noosociety in Russia is the creation, if not a *sovereign, then a sufficiently independent and efficient monetary and financial system*.

In the USSR, unprecedented rates of economic growth were observed during the period of the dual-circuit model of currency circulation – the basis of the so-called Stalinist economic system [Starikov, 2014].

Circulation of non-cash rubles took place in the first circuit, and cash rubles circulated in the second circuit. The basis of this model is total prohibition for converting non-cash money into cash and strict foreign trade monopoly of the state. The circuit of non-cash money made it possible to organize the optimised, streamlined development of all sectors of the national economy, to ensure the sovereignty of the country and satisfy basic needs of the population. The authorities set prices for staple goods and services below cost and regularly reduced them to zero, while prices for “luxury” goods and services, on the contrary, were set much above cost, which made it possible to compensate for losses from lower prices for staple goods and services. Therefore, the USSR had free education, health care and housing.

Now there are people in the Russian government who understand that a return to such a system on a modern technological platform will finally allow us to implement a strategy of advanced development [Glaziev, 2019], ensure the sovereignty of the country and prevent its disruption.

V.V. Putin, in his greeting to the attendees of the BRICS Forum on June 22, 2022, said: “Together with BRICS partners, we are developing reliable alternative mechanisms for international settlements... – We are exploring the possibility of creating an international reserve currency based on the basket of BRICS currencies.”

Russia is objectively the main actor in the restructuring of the world financial system, where modern global “pyramid scheme” is being destroyed and a multipolar system of international relations is emerging.

S.Y. Glaziev notes: “Within the new world economic order, wars are now fighting for consciousness, for the minds of citizens of different countries, and, unlike the war of the last century, the current war is a war, first of all, for dominance in the public consciousness. Therefore, the main battle line is the information-cognitive front. Here the issues of ideology are the main ones. The second most important battle line is the monetary and financial front” [Glaziev, 2022].

Summary

1. In the context of modern geopolitical reality in Russia, there is a need to adopt a state ideology that unites society in the entire set of economic, cultural, historical, social and humanitarian values.

2. Such an ideology can only be the *ideology of noodevelopment*, and it needs to be adopted, for which there are objective prerequisites – this is the main condition for the formation of noosociety in Russia. The author’s interpretation of *the concept of noodevelopment ideology* is given. The *tasks of noodevelopment* are formulated, which must be addressed at the first stage of transition towards a noosociety.

3. For the formation of a noosociety, it is objectively necessary to establish a *scientific and educational society* as a form and carrier of the synthesis of science, education and upbringing, for which it is necessary to expand the sphere of people with a harmonious combination of scientific-technical and humanitarian cultures by expanding the scope of education at the interdisciplinary level.

4. For the purposes of synthesis of science, education and upbringing, it is necessary to widely introduce a *project-target approach* to the arrangement of education.

5. The main goal of education should be the formation of a society of holistic individuals capable of designing and shaping the noospheric future. To achieve this goal, universities should teach a course in noospheric psychology.

6. To ensure the advanced development of Russia, its sovereignty and integrity, a *dual-circuit monetary and financial system* needs to be created.

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