SIGNIFICANT INFLUENCE OF THE DEVELOPMENT OF PRODUCTIVE FORCES ON THE SOCIAL SITUATION OF HUMANITY

Abstract. Scientific provisions on the social development of mankind in the third millennium in Ukraine and in the world are revealed. It is established that this direction is the result of the emergence in this period of a global continuous ecological, natural and socio-economic crisis of all mankind. In particular, the socio-economic crisis is manifested in the deterioration of socio-economic conditions of the vast majority of people and arise through the private-individual economic system of capitalism based on private ownership of means of production and class division of economic spheres. It is in this environment that the social contradictions between the two classes of owners for the means of production and the labor force, which can be reconciled in an evolutionary way under the influence of objective economic laws and the universe, mature. Such laws include such as the universal law of equilibrium, the law of human evolution, the social development of production relations in accordance with the level and quality of achievement of productive forces. Therefore, the progress of social relations is seen as a derivative of the development of productive forces, as a historical inevitability. The quantitative expression of the combination as the level of productive forces and production relations in the article considers the category of labor potential of society, in relation to which social development and change are determined, so the formula of its quantitative definition is revealed.

Keywords: sociality, social services, wages, pricing, quantification methods.

As it became clear that before the beginning of the third millennium the planetary continuous ecological and natural and socio-economic crisis of all humanity and the planet itself arose and deepens, the manifestation of the conditions
of its existence, accompanied by a planetary warming of the climate and the accumulation of ice. At its poles, enhancement of earthquakes and volcanic processes, forest fires, continuous drowses in certain territories or, conversely, rain drain or snow substitutes in a significant space, etc.

But no less devastating cataclysms are observed in the socio-economic environment of human existence, which are accompanied by deteriorating socio-economic conditions of existence of most people and arise in the presence of private-individualist economic system of capitalism, based on private ownership of the means of production in a comprehensive capitalist system of management, which exacerbates social contradictions in human society. This order of events occurs regardless of the will and desires of the individual human center according to the objective laws of existence of the universe as an evolutionary process.

On this historical path, humanity is already beginning to realize the decisive role of the economic category of sociality, the action of which is limited by historical time to achieve its ultimate goal - the creation of extracurricular society, the economic basis of which is public ownership of means of production and distribution of means of labor, according to reasonable needs and social consciousness, in the presence of which the conditions of disappearance of the category of sociality as an economic regulator in the conditions of direct social production relations and communal distribution of material goods.

Consequently, in the present conditions, the quantitative spokesman of the category of social becomes a ratio of the average level of remuneration of employee and employer's profit for personal consumption.

Theoretically, the ratio of the average profit of the employer for personal consumption to the average level of wages per person can determine the degree of exploitation of a hired employee by the employer, about which she wrote K. Marx in his work "Capital" [16]. Subsequently, these theoretical achievements, in particular in Ukraine, aimed at the sphere of specific production analysis in enterprises. And the question of manifesting the laws of social transformations, in particular in Ukraine, do not reduce its acuity and in modern economic conditions, and on the contrary, create the need for research and manifestation of laws of social
transformations requiring new scientific approaches and methods of analysis.

In particular, our research has been invented and proposed a methodological approach to the quantitative determination of social changes in the indicators of labor potential, which allows one time to measure as a change in productive forces, and industrial relations, the structure of which in the present society reveals the ratio of human and physical capital. In particular, it has been established that the level of human capital of a hired employee may be determined by the level of remuneration and labor income, while the level of physical capital worth of means of production and technological energy, in accordance with the level of which the profit that belongs to the owner of means of production is formed [11, 12]. And it is used to develop production and personal consumption, which, incidentally, determines the degree of class inequality in the distribution of results of social labor.

It is this look that shows a natural approximation of mankind to the vertices of its social being, which prompts to disappear international conflicts and wars, intraquead competition.

At the same time, according to objectively active economic laws, the development of productive forces of human society and evolutionary accumulation of material means of production and productive forces takes place. Consequently, the progress of human thought, the achievement of which was such a scientific and technical result, both the invention of mobile communication, the Internet, aviation, automobile and marine communication, the economic use of nuclear power, an unprecedented development of astronautics and other scientific and technical achievements in the present with the present prospect to the future.

Such a direction of scientific and technological progress was the result of scientific thought and work of all mankind, the condition of survival of which on the planet has become the society of its existence, whose need has revealed the existence of a competitive contribution to the microcode, which creates varieties of human diseases, which revealed coronavirus.

It would seem that the presence of an interspecast competitive struggle of a person for surviving on the planet will lead to the unification of all mankind on the basis of society of life. But in fact, the sphere of competition struggle between
national combinations was extended to the scope of the use of an antiviral vaccine for the salvation of mankind, which has become still a social unbalance of a comprehensive capitalist economic system, which has become noticeable even among medical institutions in the countries of the world.

This situation leads humanity to self-destruction in all spheres of its activities and, in particular, even in the medical sector, as in the field of economic or military relations.

Therefore, the purpose of this study becomes an economic method for overcoming the social inequality of people by eliminating intra-legal competition between people in the national and social context adapted to the capitalist economic system.

As you know, the topic of social reorganization of the world during the time of the existence of mankind is devoted to many scientific works and practical attempts to achieve the construction of just human existence. The whole history of mankind is a testimony to the violent rearrangement of human life on the planet through revolutions or local or world wars, the price of which was human cruelty and spilled blood.

The most profound theoretical comprehension and practical results of these historical events are revealed by Marxist teachings and the practice of social restructuring in the world especially at the end of the second millennium for the experience of the Soviet Union, the results of the Second World War and the experience of social restructuring of modern China evolutionary.

It is the experience of building a socially well-balanced state that accumulates in modern China and Russia, indicates a more real way to socialize life on our planet by the gradual strengthening of the economic category of labor potential, which combines a quantitatively pronounced level as productive forces and industrial relations. Therefore, such a view prompts a comprehensive approach to assessing the discretivities of the development of productive forces and industrial relations, even in terms of their quantitative ratio.

Of course, consideration of this topic should be attributed to the cardinal direction of solving the problem of social restructuring of mankind. And various
authors in Ukraine and other countries are separate consideration of various aspects of this cardinal problem in such directions. In particular, A. Kolot and O. Griznova develop the theory of development of socio-labor relations and social partnership in Ukraine [13], V. Gets - the theory of social state [6], A. Galkinsky - the theory of combination of living and materialized labor in the context of Marxic theory public productive forces [5], E. Libanova - theory of income formation in Ukraine [14], M. Bilopolsky - theory of formation of a single science of human development (Environik) [2], G. Zadorozhny - human economic science [9], in . Vernadsky - the regularities of human development (biosphere and noosphere) [4], B. Genkin - the general thorium of social and labor relations [7], V. Bulanov - the theory of socio-economic development of man [3], O. Amosha and others - Sustainable economic Development [1], J. Keynes - the main features of the capitalist economic system [10], A. Marshal - the stability of economic development of a market economy [17], Sri Aurobindo - Cycles of Human Development [19], UN conducts research and forms a report on social development L. Judgments [8], etc.

But the analysis of the above theoretical achievements reveals mainly change of productive forces of society as a result of scientific and technological progress, without determining its influence on the level of material being of different groups of the population, that is, without noticing the interdependence between the change in productive and industrial relations, and directing them in the shadows of social contradictions of existing the economic order.

In fact, the existence of such a dependence is created by the development of such a level of quality of productive forces of the world, which arises the economic possibilities of constructing a direct communal structure of mankind of the globe, which becomes possible a direct product exchange without monetary mediation, and for intelligent needs and consciousness.

To such a scenario, events encirs the need to overcome the World and Economic Crisis, which comprehended humanity at the beginning of the third millennium and covered the entire planet, and objective laws of existence and development of the universe. In addition, it directs the natural and public essence of man as the first principle of its existence and development and scientific
achievements of mankind for the postulates of man studies, as science and its role in the existence of people in the world for socially defined directions.

Consequently, in such an aspect there is a need to determine the public essence of the concept of sociality as an economic category, because it is known that the essence of this concept in various sources is disclosed in different ways. The most justified definition of the essence of sociality is given in the famous dictionary V. Dahl as a "public", "sociability", that is, the concept is defined as the society of industrial and universal relations, which is more inherently in the notion of justice in the interpression economic relations of people.

Consequently, according to such an idea of the essence of sociality, it is not as a lifetime human property, but as a social phenomenon inherent in society and has a class-economic status, which is more pronounced in moral qualities, conscience, humanity.

According to such a definition of sociality, its role in social transformations is manifested as a catalyst in the inevitable combination of people of the planet for an international characteristic, in accordance with the objective law of the evolution of mankind.

The testimony of such a possible scenario becomes a historical reality in which the world is continuously searching for a better socio-economic model of hosting countries that would combine the principles of class combination and social equilibrium in the conditions of private ownership of means of production.

And historical reality, having tested five economic systems, to the present did not reach its goal to use a socially balanced economic system, which is the basis of public ownership of means of production. Did not justify himself and the violent revolutionary path of social restorations, because human society has not yet reached the balance between the level and quality of productive forces, on the one hand, and socially balanced needs for the distribution of production results on the basis of socially defeased consciousness, on the other hand. In addition, economic science does not yet know the methods of quantitative determination of the balance between productive forces and production relations, the need for which is already in today's human society, which encounters modern economic science to find new integrated
methods of research of social processes. And it should be understood that the path to the salvation of mankind passes through the international unity of the entire population of the planet. It is this idea opposed the guidelines of the national class egoism of the dictatorship of capitalism, which provokes local and world wars for the redistribution of the world and accumulated wealth. Therefore, it must be understood that the path to the salvation of mankind is created only by an international idea of an extra-class society on the basis of a common possession of the means of production in the interests of all mankind, created by means of a quantitative equilibrium between the level of social productive forces and public industrial relations with evolutionary means.

Theoretical comprehension of the problem of social restructuring of mankind indicates the lack of methods of radical determination of ways to achieve this goal. The most well-known methodological approach to solving this problem is launched by the theory of sustainable economic growth, which devoted its research to such world-famous scientists to economists as J. Keynes [1], P. Samuelson [18], A. Marshal [17], k. McConnel [15] and others. In essence, the basis of the theory of sustainable growth is the basic law of the capitalist economic system - maximizing profits and capital, as the forms of industrial relations in favor of the owners of means of production and technological energy.

But, as you know, the main contradictions of the capitalist economic formation are contradictions between public essentially hired labor and a private form of distribution of its results due to payment in favor of owners of means of production and technological energy, whose totality reveals the labor potential of society. Consequently, the severity of contradictions between labor and capital determines the inequality in the distribution of revenues for personal consumption between employees and employers. Therefore, in modern economic theory as a means of overcoming social contradictions in society, such ways are used as a social dialogue, a social contract or social partnership, which, in their class, do not change, justify social inequality in society at the time of significant global transformations of world productive forces. The business card of which became the development of outer space, continuous informatization and globalization of the world economy, which
requires an interethnic combination of world economies on the principles of direct public industrial relations.

It is clear that this theory that has found its supporters and among Ukrainian scholars, in its socio-economic orientation not only justifying the exploitarian essence of the capitalist economic system, but also tries to find evidence of the relevant existence of this system. But in fact, this theory does not correspond to the objectively operating economic law of equilibrium between the change in productive forces and production relations, between which there is a quantitatively defined connection. The essence of such a law of social development is historically manifested as a formation in the planetary scale of the world community with a high level of spirituality and public consciousness, based on the principles of justice, goodness and humanity on the basis of social productive forces capable of providing a high level of material and moral being and their desire for excellence of their life facilities. The exposure of such a law to the World Society reveals a new world of understanding of socio-social relations and compliance with the achieved level and quality of the productive forces of human society in the context of the noosphere doctrine of our compatriot VI Vernadsky.

Consequently, the global progress of the development of productive forces, accelerating in geometric progression, is actually restrained by the framework of existing capitalist relations, which already restrains the progress of mankind.

Our research is proved that in contrast to the well-known opinion of the labor potential as a category that determines the level of only productive forces, in fact, the labor potential is an economic category that is quantitatively expressed by the level of productive forces on various production and social levels, in combination with labor relations, the formula of which According to our proposal, it is established on a single person or a certain public association \( \Sigma B_{\text{тр}} \): \[ \Sigma B_{\text{тр}} = \left[ \Sigma B_{\text{а.овф.}} + \Sigma B_{\text{ср}} + \Sigma B_{\text{оп}} + \Sigma B_{\text{н}} \right] + \left[ \sum \frac{B_{\text{а.овф.}}}{T} + \sum \frac{B_{\text{тр}}}{t_{\text{ср}}} + \sum O3 \right], \] where \( B_{\text{а.овф.}} \) - average annual depreciation deductions for the main production funds that accommodate one employee, ths. UAH;

\( B_{\text{ср}} \) - average annual costs of energy resources for technological purposes of
one worker, UAH million;

\( B_{\text{on}} \) - costs for personal needs of production owners, UAH million;

\( B_{\text{n}} \) - bank accumulation of entrepreneurs, UAH million;

\( B_{\text{hcap}} \) - cost to produce the formation of human capital (prior to calculation, an existing income per working country), UAH million;

\( T \) - average number of years to producer formation of human capital, years;

\( B_{\text{reprod}} \) - average annual reproductive costs for human capital (are taken at the average annual wage level of one working, including deductions for social needs and other income), UAH million;

\( I_{\text{pi}} \) - consumer price index;

\( O3 \) - Personal savings of hired workers, UAH million.

It should be focused on the main thing that this formula contains indicators of both class disparate owners: physical capital, that is, means of production and technological energy, and human potential, which is recognized as human capital or the cost of hired labor in the form of employment income. In this case, human and physical capital, as well as capital in general, becomes the main quantitative spokesman of existing production relations of the capitalist economic system. Bank accumulation only exacerbate property inequality between the owners of means of production and hired workers and exacerbate the class hostility between them.

From the review of literary sources, the direction of use of human capital in connection with its effective use, which prompts its essence as a presence of useful knowledge, as capabilities to the economic effect, regardless of social capabilities. It is such that theoretical guidelines adhere to the researchers of human capital - T. Schulz, G. Becker, A. Dobrinin, M. Chromov, D. Melnichuk, S. Dyatlov, V. Shtolinin, T. Kirian, G. Gaman, V. Gets. But such views are noted by the ultimate social guidance of mankind to achieve its economic state on the principle of "from each abilities - to each need," as historical inevitability of the social future.

Consequently, already in the present there is a need for theoretical comprehension and manifestation of methods of investigation of the laws of social transformations of humanity in terms of indicators, whether the coefficients of its
socialization or capitalization, which reflect the social maturity of society.

According to our opinion, indices that express the advantage of the socialist or capitalist pathway to social proofs can be determined in value form. In particular, the socialization index of society \( I_{cc} \) can be determined by the formula:

\[
I_{cc} = \frac{L_k \times 100}{T_n},
\]

(2)

where \( L_k \)- the level of human capital of society as a value indicator, an independent employee, UAH million;

\( T_n \)- labor potential of society, UAH million.

The coefficient of capitalization of industrial relations of society \( I_{квв} \) can be determined by the formula:

\[
I_{квв} = \frac{\Phi_k \times 100}{T_n},
\]

(3)

where \( \Phi_k \)- physical capital as a valuable substance, the definition of means of production and technological energy owned by entrepreneurs, UAH million.

The ratio of the dynamics of changes in both coefficients determines the degree of social maturity of society and its advancement in the path of social proofreadings, which occur as a historical inevitability of all mankind by objective laws of its existence and development.

Consider the tendency of social changes on the example of Ukraine, which are noticeable in the period 2017-2020 (table 1).

**Table 1**

<table>
<thead>
<tr>
<th>Years</th>
<th>Human Capital</th>
<th>Physical Capital</th>
<th>Labor potential</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>million UAH</td>
<td>%</td>
<td>million UAH</td>
</tr>
<tr>
<td>2017</td>
<td>428989,3</td>
<td>61,74</td>
<td>265822,8</td>
</tr>
<tr>
<td>2018</td>
<td>517115,3</td>
<td>50,96</td>
<td>497593,8</td>
</tr>
<tr>
<td>2019</td>
<td>691175,9</td>
<td>57,74</td>
<td>505716,1</td>
</tr>
<tr>
<td>2020</td>
<td>887519,3</td>
<td>59,80</td>
<td>996626,7</td>
</tr>
</tbody>
</table>
As can be seen from the given data, for a four-year period in Ukraine are observed as changes in the level of labor potential towards socialization of labor, and its social structure through the socialization of industrial relations. These trends are more visible in countries more socially social direction of development, as a modern China, Russia, Cuba, North Korea, Vietnam, Sweden and the countries of the former Soviet Union. By the path of democratization, the countries of the European Union, whose economic and labor potential are insignificantly quantitatively and qualitatively increasing, which pushes national combinations to technical, social and social progress, because despite the harassment of the ownership capital to maintain its economic positions, in the world of opposite direction by the action of the action Intective economic laws and laws of nature of the existence of the universe. It should be drawn to such laws that researchers of objective processes of social reopening in the approximate time of today and the future should be drawn. The essence of these laws we had previously considered in this context:

The law of equilibrium in nature and society, which, according to our imagination, it is possible to reveal as coordinated in time and spacious balancing a natural range of deviations of the values of the processes of phenomena in nature and society from their average level. This Law regulates all processes and phenomena not only between people, but also on the planet Earth and throughout the universe. For example, in relation to the human person, this law is manifested in the process of assimilation and dissimilation of physiological processes, in the nature of our planet - in the change of seasons, in politics between state relations - in the multipolarity of the world, in the universe - in the laws of interplanitary mechanics, etc. In social processes, the role of the law of equilibrium is in the coherence of class interests of business and hired labor. And the search for such consistency is historically already in progress by millennia, which manifests itself in changing the eras of human evolution in three economic institutions of the class grade: slavery, feudalism and capitalism. Hence, the use of a class feature provides an opportunity to recognize such historical era:

1. The era of origin of the social structure of a human totality for millions of years. Its signs: primary-communal economic contribute in the presence of manual
level of productive forces based on the use of manual means of labor, lack of class division of productive forces and the presence of communal form of distribution of results of manual labor.

2. Existing tens of millennium of the modern era of slavery by the manifestation of three economic formations (cyclic manifestations of epochs): slavery, feudalism and existing system of capitalism, which, according to its military direction, already holds further global development and social civil use of productive forces. Therefore, the completion of capitalist economic formation causes the disappearance of the cyclical era of slavery and its class structure.

It is the evolutionary path of social reinforcement of the capitalist economic system on a directly social system of building a labor potential of human society, as a more reliable, trial and real, which occurs as historical inevitability, and whose shoots are already noticeable in the present. After all, the essence of the objectively operating law of human evolution is manifested as the formation in the planetary volume of world human society with a high level of spirituality and public consciousness, which is formed on the principles of justice, goodness and humanity and on the basis of public productive forces, providing a high level of material being of people and theirs. the pursuit of the perfection of their life's reasons.

This exposure of this Law marks a new outlook in relation to the achieved level and quality of productive forces. The measure of participation of each person in the implementation of this goal as its manifestation in a historical mission is determined by a public need and acquired ability to work. And according to the French philosopher E. Shure, such an evolution of the unity of science and religion already begins in human consciousness [20]. Consequently, objectively active laws of the development of the universe, the nature of our planet and society, regardless of the desires and opportunities of each of people, determine the historical inevitability of the development of all mankind through public self-government in terms of level and quality of human life.

This law of social development of mankind, subordinated to the law of equilibrium between nature and society, reveals the purpose of social human development in accordance with the level and quality of achieved productive forces.
Consequently, according to which the regulatory function of the law of socio-production relations is reproduced, and a scientifically balanced system of remuneration, preceding the direct allocation of the means of existence and to the emergence of a morally balanced being. Therefore, it is precisely because of this, the social development of mankind occurs as historical inevitability to its social existence and being.

Theoretical comprehension of the essence of the economic category of sociality requires a socially defined need for human development, since it quantifies the level of not only productive forces of society, but also the level of production relations of existing economic formation, or class-directional systems within a whole historical era.

Consequently, measures class interests in the field of social production and distribution of the results of compatible labor.

Therefore, under the category of sociality it is possible to understand the quantitatively defined production relations in the class society, defined by the proportions of distribution of social labor results among hired employees and entrepreneurs, in accordance with the degree of labor and measure of consumption. Based on this difficult, it is difficult to agree with the definition of the essence of sociality, as it is represented by individual researchers, namely as genetic quality, present to each inhabitant of our planet, whether the indicator of the rating of the use of national income from the country's residents is separated from the class nature of the pointer, because such theories are not only interfere with the way of social redistribution of humanity, but also interfere with the regulation of balancing production and consumption, population growth, etc.

At the same time, between the level of productive forces and industrial relations must be established parity, that is, a balance that is quantitatively determines the ratio of production and consumption, because only under such conditions, the community development of mankind can be involved, the criterion for assessing the rationality of which is the high level of achieved productive forces of the human totality and its social consciousness.

It is such a balance between the level of productive forces and production
relations may express a rational equilibrium between the needs and production, between the population and its productivity, as well as the presence of other useful and moral qualities of the population of the planet. In other words, there was a need to have the possibility of a planet to withstand pressure on the indicators of the population and their needs, as well as the availability of productive capabilities of the planet to ensure the distribution of people on the globe on the material and national character. Therefore, in the future, the inhabitants of the Earth must be assigned only one sign - humanity, and this will become possible only in the event that the country of existence of all mankind will be the whole planet "the Earth".

References:
8. Doklad o chelovecheskom razvitii 2016. – Copyright, 2016. – By the United Nations Development 1 UN Plaza. New York, NY10017USA.
THEORY AND PRACTICE OF SCIENCE: KEY ASPECTS


