Comparative Analysis of Digital Governance Practices of the Leading Countries in the Field of Socio-economic Regulation

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ABSTRACT
The article is devoted to comparative socio-economic analysis of Russia with such foreign countries as Denmark, Norway, the United States of America, which are leaders in social and economic development of the population. The first part of the work provides a summary of the socio-economic situation of the countries, which reflects the situation of these countries on the world stage in the field of socio-economic indicators. The second part presents the mechanisms used in the social and economic policy of the states under study, after which their impact on the situation in Russia is analyzed. Based on the comparative analysis it is concluded about the most promising mechanisms that can be applied in Russia, as in the country with the largest number of low indicators considered in the study.

Keywords: Economic analysis, socio-economic development, public administration, regional economy, state regulation, foreign countries.

1. INTRODUCTION

The state regulatory impact, in many respects, was and remains practically the only mechanism of real influence on the socio-economic situation in society, ensuring the interests of this society in terms of social benefits and guarantees. It should be noted that most commercial companies, including those with state participation, which is typical for Russia, pursue the interests of obtaining profits and super-profits, which negatively affects the socio-economic situation of society. Thus, commercial enterprises often indirectly create the prerequisites for widening the social gap with their own interest in enrichment. Citizens themselves, without proper unification, are not able to withstand these negative consequences of a market economy. In such conditions, the state acts as a certain referee, as a mechanism for balancing these interests of business and population.

In some states, this mechanism of state regulation of economic interests creates the necessary conditions for improving public life, the development of socio-economic processes in the national economy and the growth of its effectiveness, and in some it entails a social gap in the population. This study is devoted to the analysis of socio-economic regulation practices in different countries, with different types of state regulation and a balance of interests.

The aim of the work is to identify the most promising typical mechanisms of state regulation of socio-economic development. As a hypothesis put forward in this paper, we put forward the opportunity, having analyzed the most promising countries in terms of social and economic efficiency, to develop the most effective practices of state socio-economic regulation.

2. LITERATURE REVIEW

Issues of socio-economic development of the state in the scientific literature are often raised [1-3]. Many works are devoted to the search for additional ways to increase economic efficiency among the reasons that can ensure economic growth through the social sphere, human development is highlighted [4] and improvement of the housing stock. In addition, such studies often focus on neural networks, ex ante and ex post approach and others. Economic modeling is currently a very common phenomenon that helps to effectively predict the future development of the state. Moreover, the developed socio-economic models can be used in environmental assessments. It should also be noted that today many economic and mathematical models have been formed to improve the socio-economic situation of various territories of the Russian Federation through innovation [5]. In the scientific literature, the social development of citizens is singled out to create balanced demand in the economic system [6], [7]. At the same time, a lot of work has been devoted to the issues of digitalization rooting in society [8], which discusses the positive aspects and effectiveness of digital banking, based on the path of economic efficiency of the state. However, the inclusion of the digital component in economic assessments mainly comes down to the use of digitalization at the level of enterprises of various kinds [9], or to the use of digitalization to assess the
capitalization of companies, or how Gromova does in its work. EA - the use of digitalization elements to assess the development of the automotive industry in Russia [10].

Thus, most of the work comes down to the economic effect of companies and corporations, and only in certain cases - regions and countries [11]. In many works, the factor of the complexity of the analysis of this problem is also not considered, which will be leveled in this paper.

3. METHODOLOGY

The following countries were selected for comparative analysis. First, it is the United States of America, as the country with the highest absolute value of GDP. Moreover, according to the OECD, the United States is in fifth place in terms of this indicator per capita, and this state emphasizes economic efficiency in its development. Also, Norway was taken for research, as a country with similar climatic conditions to Russia, but a more progressive standard of living. And Denmark, for the same reasons as countries emphasizing social development [12]. The study also examines Russia, whose political course inclines toward economic liberalism, but with the remnants of the social guarantees of the USSR, of which it is the successor.

The following is a comparative table of indicators of socio-economic development of these countries (Table 1). The United States in this study is a leader in the efficient exploitation of human resources and is included as a trigger to demonstrate the consequences of an overinclination for economic efficiency [13].

| Indicator                                      | Norway | Denmark | USA    | Russia |
|-----------------------------------------------|--------|---------|--------|--------|
| Oil production per capita (barrels/year)      | 108,7  | 10,8    | 9,7    | 27,8   |
| GDP per capita (US $, 2018)                   | 72169,6| 50642,6 | 59895  | 25749  |
| Average salary in US dollars (net)            | 3868,7 | 3708,9  | 3300   | 564,25 |
| Relative share of GDP (net) received by citizens in% | 5,36   | 7,32    | 5,51   | 2,19 (7,19 without PSS*) |
| Average salary in US dollars (gross)          | 5458,03| 6247,49 | 4055   | 641,40 |
| Relative share of GDP (gross) received by citizens in% | 7,56   | 12,34   | 6,77   | 2,49 (8,17 without PSS*) |
| Percentage of payroll tax burden              | 29,12% | 40,63%  | 18,62% | 13%    |
| Gini coefficient                              | 0,259  | 0,291   | 0,411  | 0,410  |
| Quintile Ratio of Funds, Human Development Report (OECD) | 3,8 (3,87) | 4,5 (3,62) | 9,1 (8,34) | 8,66 (7,13) |
| Place in the OECD Better Life Index (out of 38) | 1      | 2       | 8      | 33     |
| A place in the index of satisfaction with life in the world according to Adrian White | 19     | 1       | 23     | 167    |
| Unemployment rate in%                         | 4,22   | 5,73    | 4,35   | 5,2    |
| Human development index                       | 0,953  | 0,929   | 0,924  | 0,816  |

*PSS - purchasing power parity

The share of oil and gas revenues in the budget of the Russian Federation (mineral extraction tax + export customs duties) in 2018 is 35.9%, which is almost an unpleasant indicator, but at the same time it must be fully involved [14].

To calculate GDP, the statistics of the IMF and Rosstat for 2017 were taken. In this case, it should be noted that in the database of state statistics on US GDP, the United States is equal to 25,749 dollars per person [15]. A report on human development was used to measure inequality indicators.
4. RESULTS

Based on these indicators, the situation of Russia was investigated in comparison with the most promising countries in the field of social and economic development on the world stage. A summary of the economic models described above is presented in Table 2.

| Mechanism                  | Norway                                      | Denmark                                     | USA                                          | Russia                                      |
|----------------------------|---------------------------------------------|---------------------------------------------|----------------------------------------------|---------------------------------------------|
| Tax system                 | Mostly direct system.                       | Progressive taxation scale.                 | The predominant direct system.               | The predominant direct system.              |
|                            | Progressive scale divided into 4 groups      | Many excise taxes on tea, coffee, products  | Progressive scale divided into 28 groups      | Progressive scale divided into 28 groups    |
|                            |                                             | containing animal fat.                      |                                              |                                              |
| Citizens Income Tax        | 0/27% + (0/9,5/13,7%)                       | 6,83-51,7%                                  | 10-56,9%                                    | 13%                                         |
| Social Security contributions | 16%                                         | 13% + 10% from payroll                      | 7,65% + 7,65% from payroll                  | 30,2%-38,7% from payroll                    |
| Property tax               | 2,5% from the cost of 2 and subsequent housing | 1-4% depending on the cost                 | 1-4% depending on local and regional taxes  | 0,1-2% depending on type and cost          |
| On income from deposits, stocks and bonds | 28%                                         | 27 or 42% with income over $7,400 per year | It is taken into account in the tax on income of citizens | 35% from deposits 13% of shares |
| Corporate income tax of persons | 28%                                         | 16 or 32%                                  | 15/25/34/39% + 0-12% regional and local tax | 20%                                         |
| Value added tax            | 25%                                         | 25%                                        | 1,76-10,2% + local fees (~5%)               | 10/20%                                     |
| Medicine financing         | Mostly from the state budget                | Mostly from the state budget               | The medicine is predominantly private; there are state clinics under the Medicaid and Medicare programs [16]. | Completely state except for honey. Drugs and super expensive treatments |
| Education financing        | Entirely from the state budget, except for preschool, to which subsidies are extended [17]. | All levels of education are funded by the state | Preschool education is mostly paid. Medium is free. Higher education is fully paid with the possibility of receiving state assistance [18]. | All levels of education are funded by the state |

It is characteristic that for all economic systems under consideration, interest or interest on late tax payments is set in either direction, that is, if a citizen overpaid taxes [19], this amount is his deposit for which the same percentage is charged as for that the amount that he would not pay.

5. THE DISCUSSION OF THE RESULTS

It should be noted that a number of assumptions were made that were inevitable in the analysis of macroeconomic indicators [20]; nevertheless, an attempt was made to verify the available data as accurately as possible, although even many statistical data carry a certain error, which is clearly seen in the indicators of the quintile coefficient of funds. In addition, an error also exists in the translation of national currencies into US dollars [21]. This series of assumptions, although it creates a data error, nevertheless does not conceptually affect the research analytics and does not change the leading positions of the countries under consideration [22].

In addition to the above, it is necessary that the analysis was conducted on a limited number of countries [23], when comparing them in Russia, which can negatively reflect on the conclusions made, although it is worth noting that these countries are the best representatives in their type of development.

6. CONCLUSIONS

Thus, based on the study, the following typology of domestic interests can be distinguished, depending on development goals:

1. Development through the social sector of the economy, by increasing domestic demand:
1.1. Low coefficient of stratification of the population.
1.2. High ratio of tax burden to wages (29.12% and 40.63% on average for a citizen to spend on tax payments) [21], [24].
1.3. Reliance on a direct and progressive taxation scale.
1.4. High property taxes.
1.5. High taxes on income on deposits, stocks and bonds.
1.6. Corporate income tax in the range of one third of earned funds.
1.7. Value added tax is 25% of the price of the goods [25].
1.8. State financing of medicine and education.

2. The development of economic efficiency, with a focus on foreign markets:
2.1. High coefficient of stratification of the population.
2.2. Low ratio of tax burden to wages (in many respects, this indicator is ensured by the presence of tax deductions).
2.3. Reliance on a direct and progressive taxation scale.
2.4. High property taxes are regulated by each budget level independently [26].
2.5. Accounting for income from deposits, stocks and bonds in the general progressive taxation scale.
2.6. Diversified corporate income tax ending at the rate of 50% [27].
2.7. Low value added tax.
2.8. State funding exclusively secondary education.

Overall, at the end of this work, we would like to note that an attempt to achieve two fundamentally different interests of social development (economic efficiency of the state and the development of social institutions with their support) can lead to extremely negative consequences for the economy of the country that will deal with this. Currently, Russia is faced with the need for this choice, which it is trying to make in favor of economic efficiency, but at the same time remaining with a large number of social obligations, which significantly slows down both one-way and the other development, without creating the necessary conditions for sustainable social-economic development.

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