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## ECONOMICS AND MANAGEMENT OF REGIONAL ECONOMY

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The issues of financial control in the process of implementing regional targeted programs are being studied. It is shown that in the Russian economic system the market model has taken root in all areas of the sectoral regional economy, it is dynamically developing, introducing high-tech innovations in the real sector of the economy at the macro, micro and meso levels, transforming consumer demand and consumer markets. Investments in innovation activities become an incentive to search for new forms of economic activity in the regional development of municipalities, providing an increase in competitiveness in internal and external spatial development. This line of research is relevant.

The system for the development of innovation and investment activities in the Russian economy is implemented through regional targeted programs and is controlled by the state. The purpose of the study is to improve the process of financial control in investment projects (programs), as a system of this process and a set of measures. In the course of the research, an information-analytical model was used, with the help of which the target areas of research were structured in the process of program implementation. System analysis was used as a rubricator for the search and selection of statistical data, as well as methods of statistical and critical analysis. In the process of obtaining generalizing results, the synthesis method was used, and the deduction method was used to understand the theoretical control processes. The study of literature sources made it possible to determine that in the domestic financial system there is no concept of financial control as a process within the framework of an investment project.

In the course of the study, it was determined that the financial state control of the investment project is included in the system of this process, is a set of control and accounting activities. It is during the implementation of the program that state control is exercised over the financing of subjects in accordance with the plan for the movement of targeted financial budgetary resources in the implementation of these programs.

The research was carried out on the basis of materials from the city of Dzhankoy in the Republic of Crimea (hereinafter referred to as the municipality).

*Keywords:* financial control, targeted programs, innovations, investments, municipality, region, competitiveness.

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31 2020 \*

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	101,9	101,2	96,8	95,0
	91,5	93,1	91,6	100,2
	0,26	0,14	0,13	49,5
-	17,0	17,0	11,6	68,3
(	11,3	0,0	6,7	59,4
)	221,9	211,4	206,9	93,2

\* [14]

- - —6,3%;
- - —2,8%;
- —22,7%.

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2.  
2021 ( . .)\*

/		-		+/-
1.	« »	131916,4	88236,42	-33,11 %
2.	« »	568408,00	477045,43	-16,07 %
3.	« »	8415,63	6447,54	-23,39 %
4.	« »	30,00	30,00	100,00 %
5.	« »	45877,49	42771,29	-6,77 %
6.	« »	2275,48	1612,40	-29,14 %
7.	« »	136232,27	101178,98	-25,73 %
8.	« »	2027,08	1400,62	-30,91 %
9.	« »	69617,36	63725,53	-8,46 %
10.	« »	74712,50	60271,92	-19,33 %
11.	« »	960,88	543,30	-43,46 %
12.	« »	531,62	367,48	-30,87 %
13.	« »	262	226,2	-13,66 %
14.	« »	33,428	23,729	-29,01 %
15.	« »	9576,36	3663,39	-61,75 %
16.	« »	396,49	385,03	-2,89 %
	:	105638,751	85141,930	-19,40

\* [20]

30 43 %

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2019–2022 . 2023

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3.

2019–2022 . 2023 .\*

	2019	2020	2021	2022	2023 ( )
	38046	38100	38500	38900	39300
	30672	32451	34658	37015	39932
	2627,606	3300,080	3490,000	3500,000	3600,000
	3331,212	3500,000	3600,000	3700,000	3800,290

\* [18]

2019 2021 30,2%.

37% 2019–2021

2019–2021

15%.

2019

2021

0,096

1

0,09

1

SMART ( .4).

2020

508134

—322428,

—13897.

—475180

—310272,

—26356 [19].

2

167,2

1615

[18].

1,4

69,5

30

3,3

[18].

2021

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—2,1

2015-2016

71,9

[18].

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4. SMART— ( )

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1.	-	14 -	2024 210
2.	54,8 %	85 111 43,4	3
3.		2021-2022 (934 .) 19,85 1.	2021 300

\*

[18]

5.  
2017–2022 .\*

1

	2017	2018	2019	2020	2021	2022
-	453410	338803	430444	450000	470000	480000
,	38691	38553	38046	38100	38500	38900
1	11,72	8,62	11,31	11,81	12,2	12,4

\*

[18]

2019 , 3 5  
7,9 . 7,3 ., 2021 1 , 1

1. Initial coin offering (ICO)

- 2020.— 1.— .81-103.—EDN PJGREZ. [ ]// 6: .—
2. . . . : / . .— .: - ,2003.—672 .
3. , . . . / . . . , . . . / / .—2021.— .23, 1.— .87-101.— DOI 10.15688/ek.jvolsu.2021.1.7.—EDN PHRHLC.
4. , . . . / . . . , . . . // .—2021.— 2(78).— .43-45.—EDN DILIVA.
5. , . . . / . . . , . . . // , .—2022.— 1.— .47-71.— DOI 10.32609/0042-8736-2022-1-47-71.—EDN YHSZOM.
6. . . . / . . . // : , , .—2016.— 3(36).— .17-22.—EDN XXBFLL.
7. . . . , . . . // / . . . - . . . .—2018.— 5(101).— .182-191.—EDN YMHUXZ.

8. // : , , .—2017.— 1(38).— .92–96.— EDN ZRNAYP.
9. // : , , .—2022.— 3(60).— .5–18.— EDN WGZJQC.
10. // : .— / . . . - : , . . . , 2020.— .626–633.— DOI 10.18720/IEP/2020.6/25.— EDN PNPXU.
11. // - / . . . , .—2017.— 1(30).— .30–35.— EDN YPDUXJ.
12. // - .—2016.— 12.— .236–240.
13. [ ].— : invest-in-crimea.ru/homepage ( : 20.02–24.02.2023).
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15. : / . . . // .—2020.— .10. 4.— .1893–1910.
16. // / . . . , . . . // .—2020.— .25. 5.— .213–233.— DOI: doi.org/10.15688/jvolsu4.2020.5.17
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20. : 25.09.2018 . 604- [ ]// : dzhankoy.rk.gov.ru/uploads/dzhankoy/attachments//d4/1d/8c/d98f00b204e9800998ecf8427e/phpF18IVf\_1.pdf ( : 20.02–24.02.2023).
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22. // : .—2016.— 1(108).— .200–205.
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Simferopol, Russian Federation.

## **ANALYSIS OF THE FINANCIAL STATE OF THE REGION ON THE EXAMPLE OF THE MUNICIPALITY OF THE REPUBLIC OF CRIMEA**

The article analyzes the approaches of foreign and domestic authors to the analysis of the financial and economic state of the region and substantiates a new approach to the analysis of the financial state of the region. The analysis of the financial condition of the region was carried out on the example of the Chernomorsky region of the Republic of Crimea. Groups of indicators characterizing the financial condition of the region are analyzed, the most significant of them are highlighted. Reasonable conclusions are made.

The Chernomorsky region has a favorable geographical position, the presence of its own natural resources and a high level of skills of the population. Such branches as agriculture, tourism, production and processing of agricultural products, timber industry, construction and mining are developing in the region. As part of the implementation of investment projects, it is planned to create new jobs, improve infrastructure and environmental conditions. One of the major investment projects is the construction of a large seaport, which will promote the development of exports of the region's products and attract new investments. It is also planned to develop tourism infrastructure in the region, build hotel complexes and develop health resorts. All this makes it attractive to investors and contributes to the further development of the region.

The development of small and medium-sized businesses in the Chernomorsky region is an important factor for sustainable economic growth and social development of the region. As part of the support for small and medium-sized businesses in the Chernomorsky region, various programs and support measures have been created, such as tax and fee incentives, the provision of subsidies for business development, the organization of business incubators and technology parks. Trainings, seminars and consultations for entrepreneurs are also held. However, it is necessary to take into account environmental aspects in business development in order to conserve natural resources and ensure environmental safety.

*Keywords:* financial condition, expenses, incomes, investments, finances of enterprises.

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[1, 4, 8, 15, 18, 23].

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16	« »	« »	: 15.
17	« »	« . , , « »	: 26.
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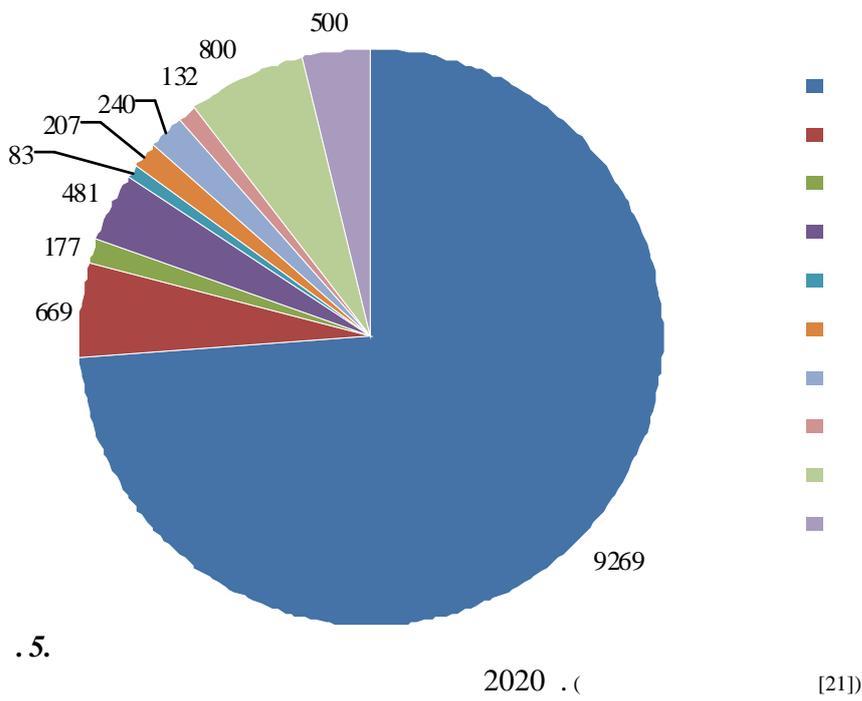
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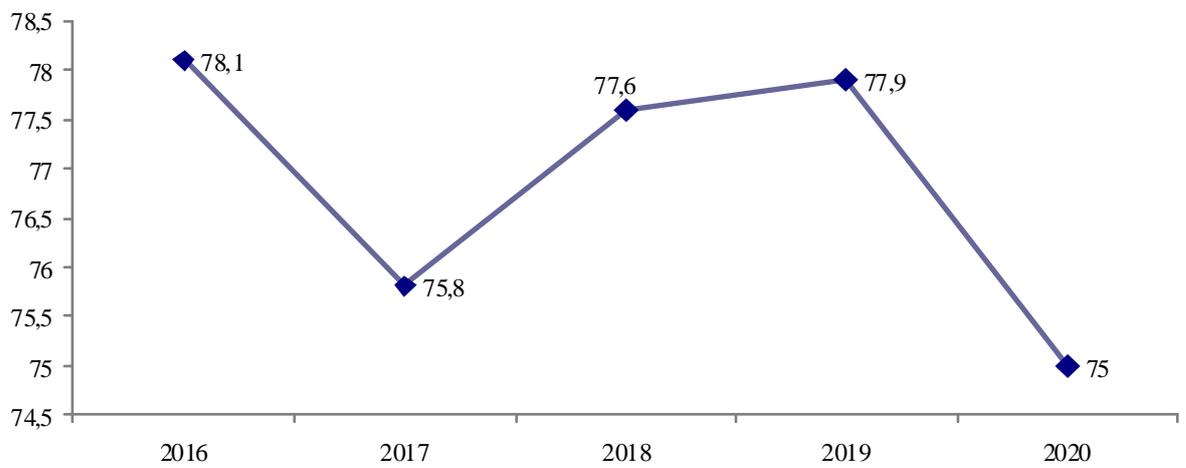
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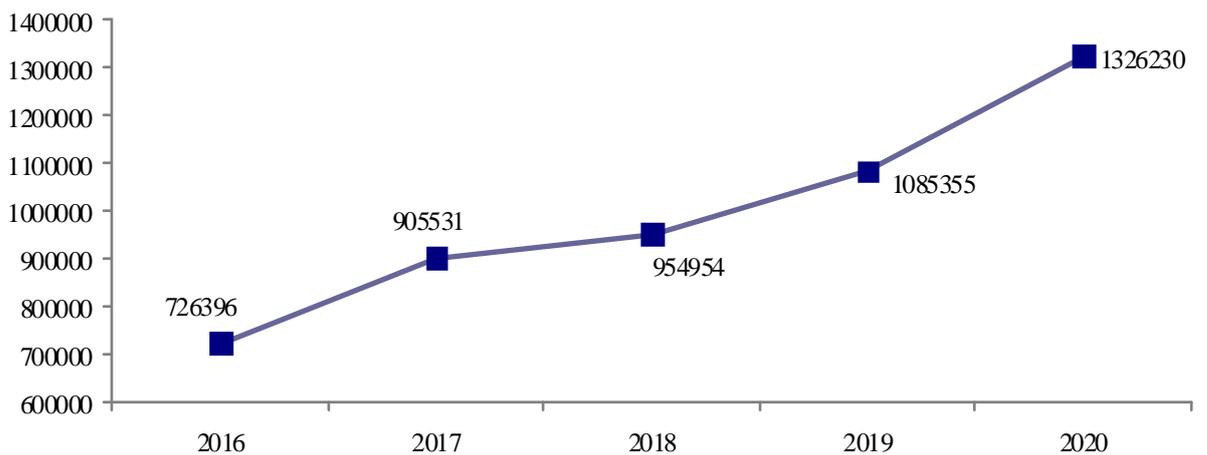
2020 .. , % \*

	2017	2018	2019	2020
	397	390	391	392
	240	238	242	242
	223	224	228	228
( )	9	6	6	6
	3	3	3	3
	2	2	3	3
( ) -	1	1	1	1
	1	1	1	1
	1	1	0	0
	157	152	149	150
	46	46	46	46
	28	28	28	28
	15	15	15	16
	15	15	13	13
	8	7	8	7
	7	6	6	6
	38	35	33	34

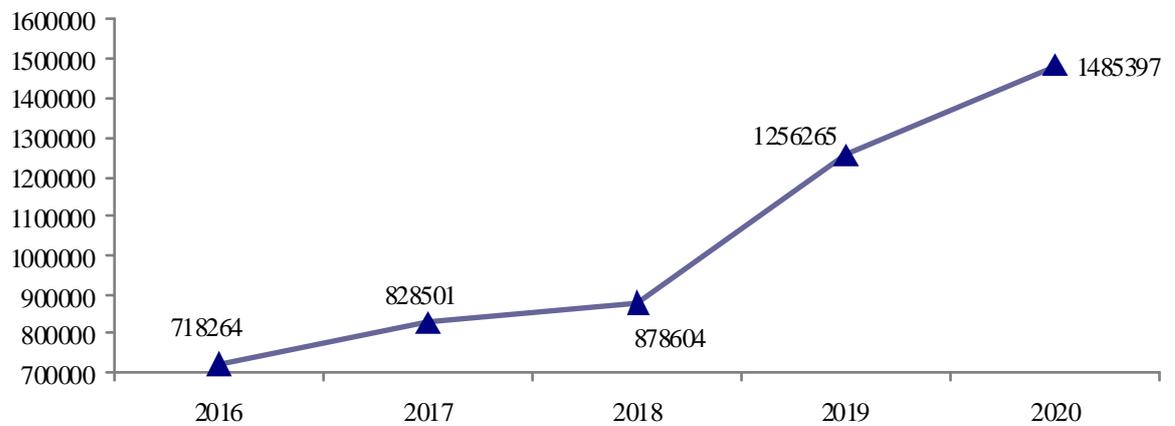
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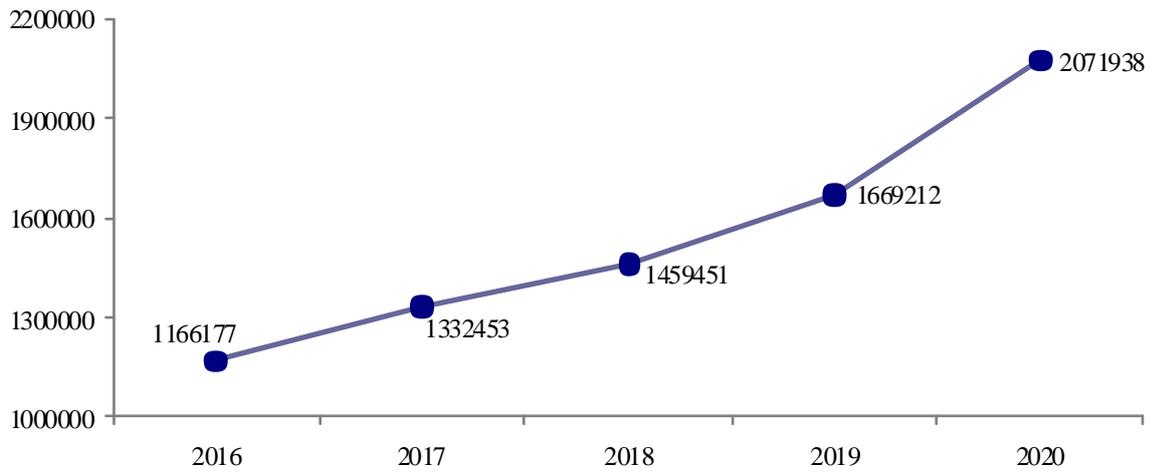
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2016–2020



.7. ( [21])  
2016–2020



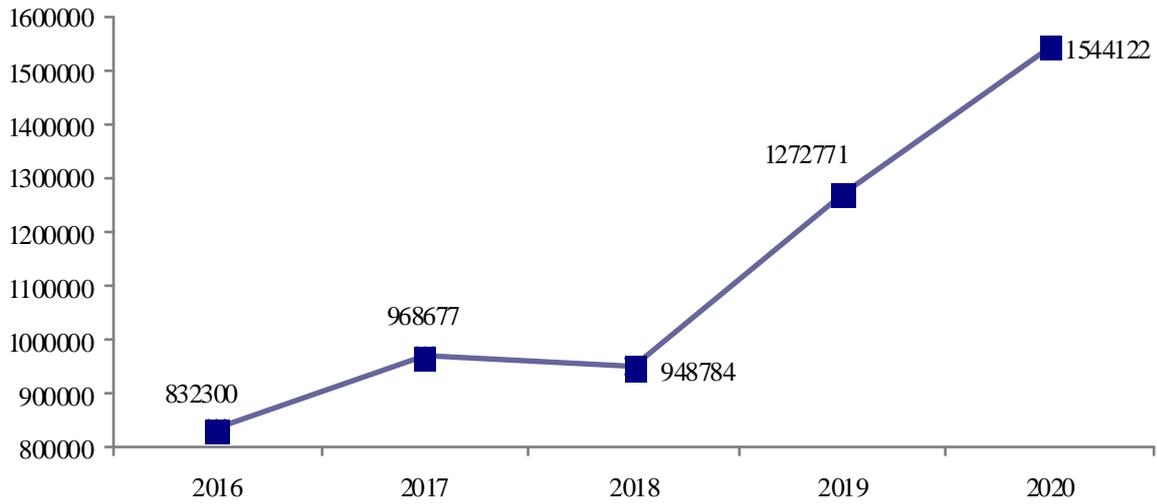
.8. ( [21])  
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- 2016 2020 ( .8);
- ( .9);
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1. (FEA) / . . . , . . . -  
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2. , . . . 26: .—2017.— 2.— .19–34. //
3. , . . . // : , , .—2020.— 2 (51).— -  
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4. , . . . // -  
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5. , . . . // : , , .— -  
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6. , . . . ( )/ -  
 . . . // : .—2020.— 1 (43).— -  
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7. , . . . : -  
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 .—2017.— 3.— .116–128.
8. , . . . // : , , .—2022.— 3 (60).— -  
 .132–142.
9. — - -  
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10. , . . . ( )/ -  
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11. , . . . - / -  
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 .110–113.
12. , . . . // . 26: -  
 / . . . // .—2019.— 2.— .127–136.
13. — ( ) , - -  
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14. , . . . — / . . . -  
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15. // —2020.— 2 (51).— .56–67.
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**THEORETICAL FOUNDATIONS OF THE ESSENCE OF CAPITAL AND PRACTICAL ASPECTS OF ITS USE AT ENTERPRISES**

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The article considers the essence of the capital of enterprises, presents its types, investigates its constituent structures, shows the directions of structural optimization of capital. The authors have formed a phased system for assessing the use of the capital of a business entity and substantiated the significance of indicators calculated for a comprehensive analysis of the state of capital in enterprises. In the study, according to the proposed methodology, the assessment of the use of capital at three agricultural enterprises of the Republic of Crimea was carried out: JSC «Sovkhoz "Vesna"», JSC «Pobeda», JSC «Shirokoe». The importance of the rational use of capital to ensure the efficient operation of enterprises is shown, the features of the use of equity and borrowed capital are disclosed. When carrying out a comparative analysis of the financial condition of three enterprises of the agrarian sector of the economy, the expediency of a rational combination of measures to ensure their financial stability and increase profitability was determined, since a reduction in the volume of borrowed capital reduces the possibility of making a profit by business entities. As a result of the assessment of the use of capital at the enterprises under study, it was found that the financial results of their activities are largely due to the appropriate use of capital, the level of optimality of its structure. The study noted that when forming the capital structure, it is necessary to take into account the types of activities of the enterprise, since the need for equity and borrowed capital is not the same for production business entities and organizations in the service sector. The recommendations formulated by the authors based on the results of the study can be applied both in theoretical terms of deepening the understanding of the essence of the capital of enterprises, and for practical use in order to ensure financial security and increase the level of profitability of business entities.

*Keywords:* capital, composition and structure of capital, system for assessing the use of capital, total capital, equity capital, financial independence, financial stability, efficiency of capital use.

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. . .	« , « , ( ) ( ) »[4].
. . . , . . . , . . .	« , , »[11].
. . .	« / - , , — » [21].
. . .	« , , »[24]. « , , »[24].
. . .	« — , — »[33].
	« »[17].
. . . . . .	« , , , , , , , , »[31].

1	2
<p>...</p>	<p>«  , -  -  , -  »[16].</p>
<p>...</p>	<p>«  , -  , -  , -  »[16].</p>
<p>...</p>	<p>«  - , -  »[10].</p>
<p>...</p>	<p>«  »[6].</p>
<p>...</p>	<p>«  , -  »[29].</p>

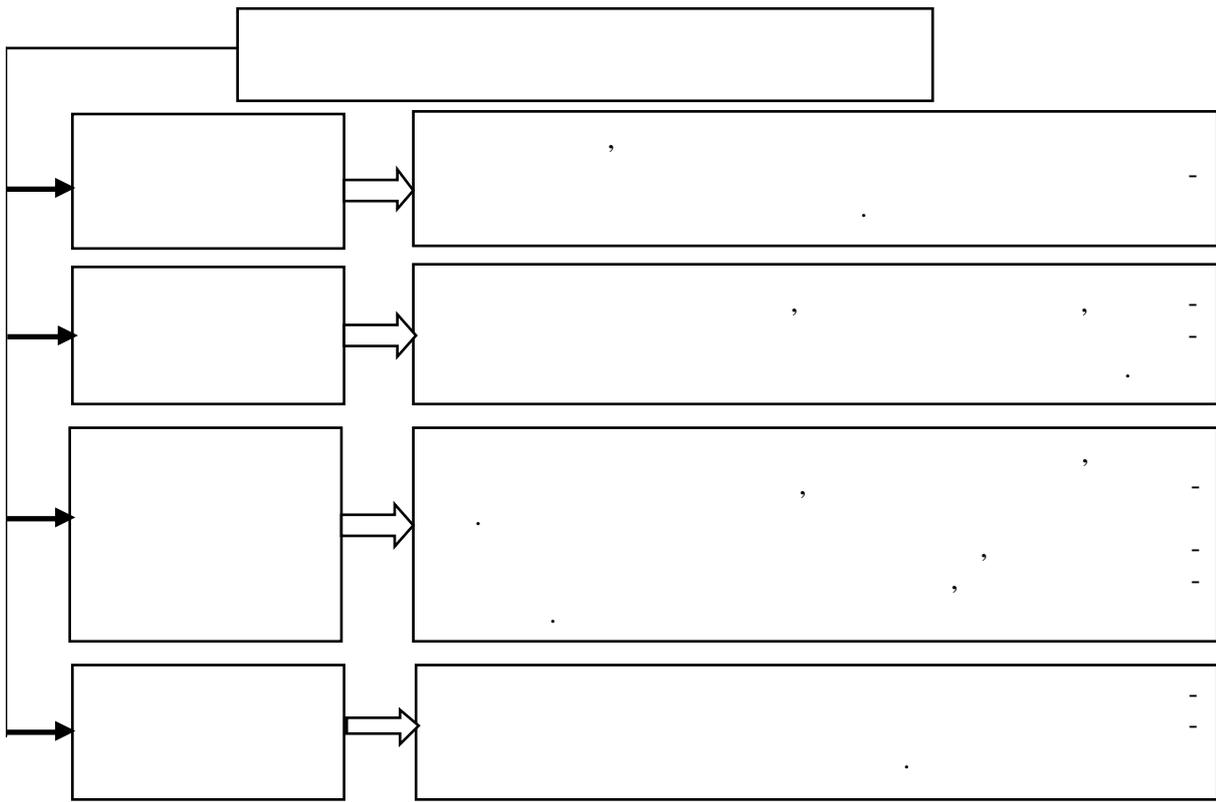
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( .2).

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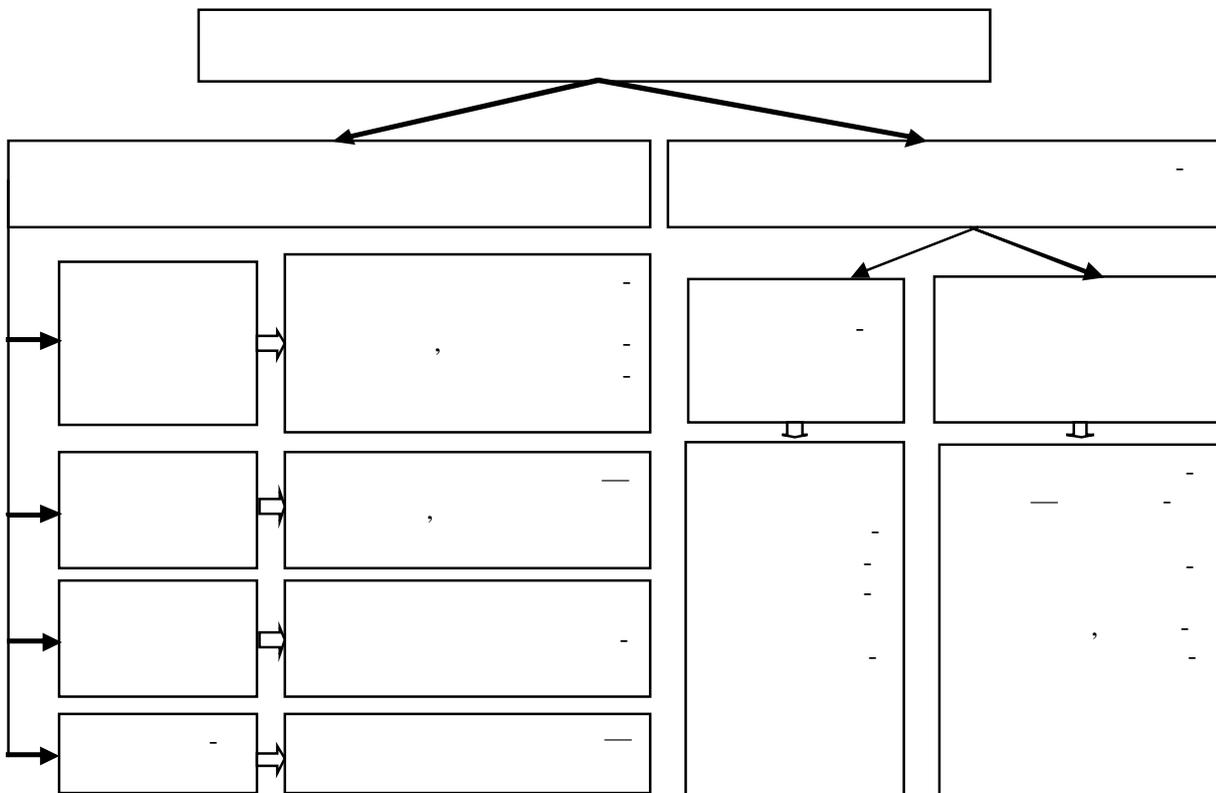
( .3).



. 2.

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[19, 34])



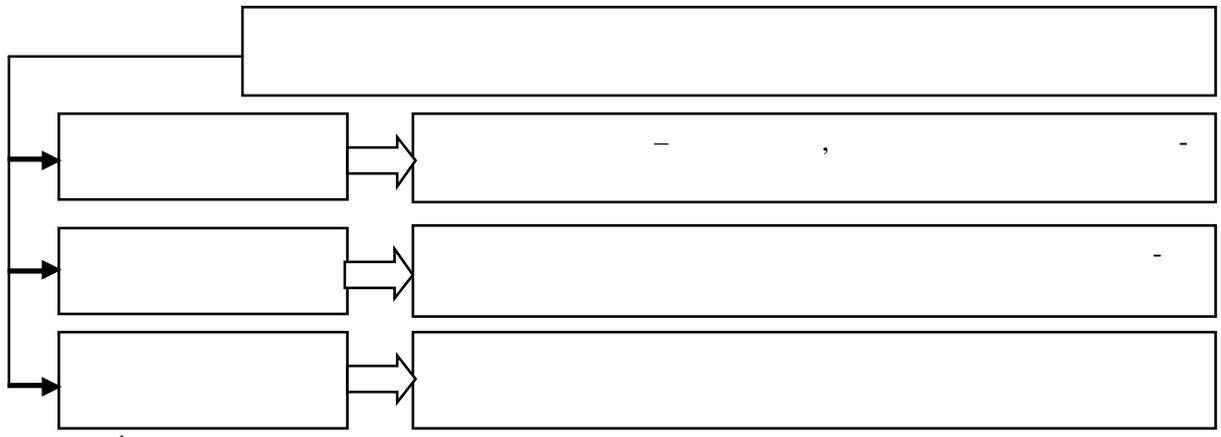
. 3.

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[15,

20, 22, 32])

( .4).



.4.

( [14, 28])

( .5).



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- ( );
- ( ).

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- ( - ) < 0; ( - ) ≥ 0; ( - ) ≥ 0;
- ( - ) < 0; ( - ) < 0; ( - ) ≥ 0.
- ( - ) < 0; ( - ) < 0; ( - ) < 0.

$$( - ) \leq ( - ) \leq ( - ).$$

$$: S = (1, 1, 1).$$

$$: S = (0, 1, 1).$$

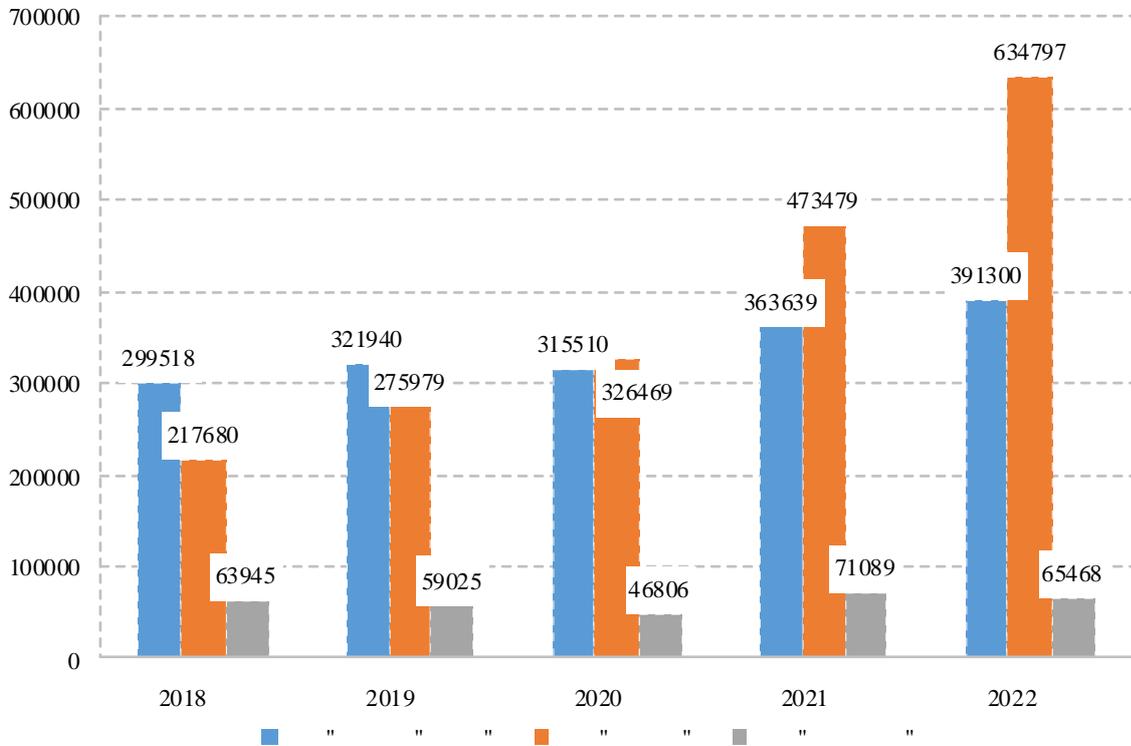
: S = (0, 0, 1).

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: S = (0, 0, 0).

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2018 2019 « " "», 2020,

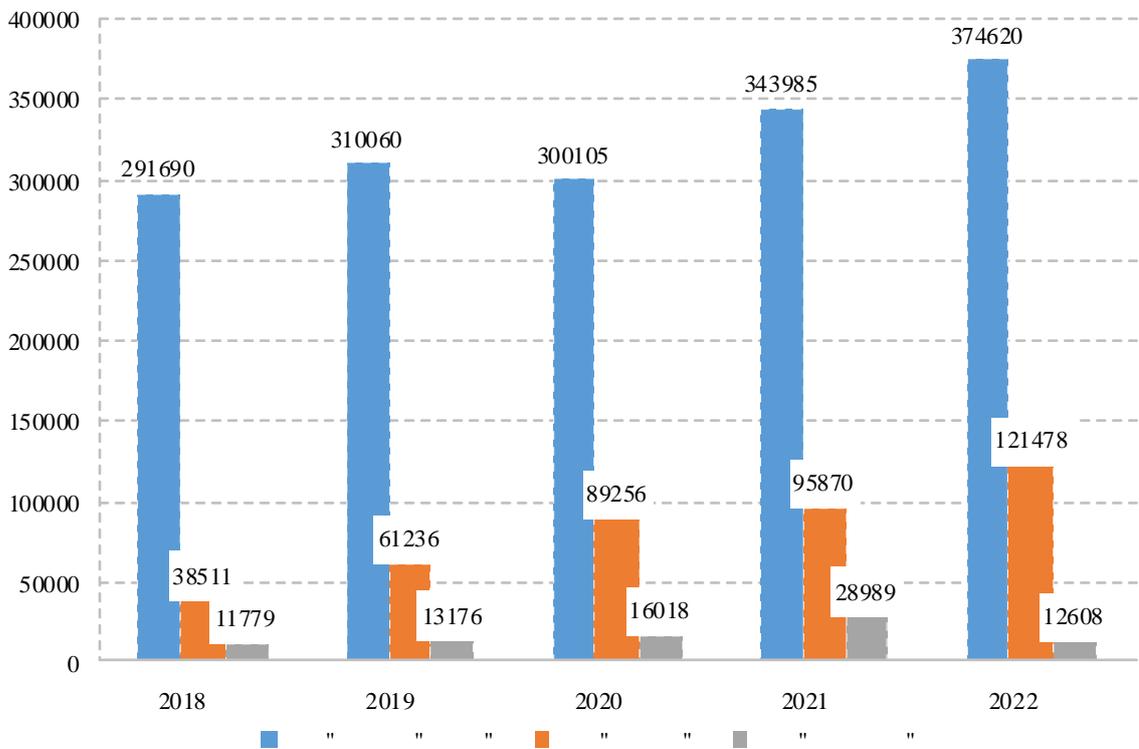
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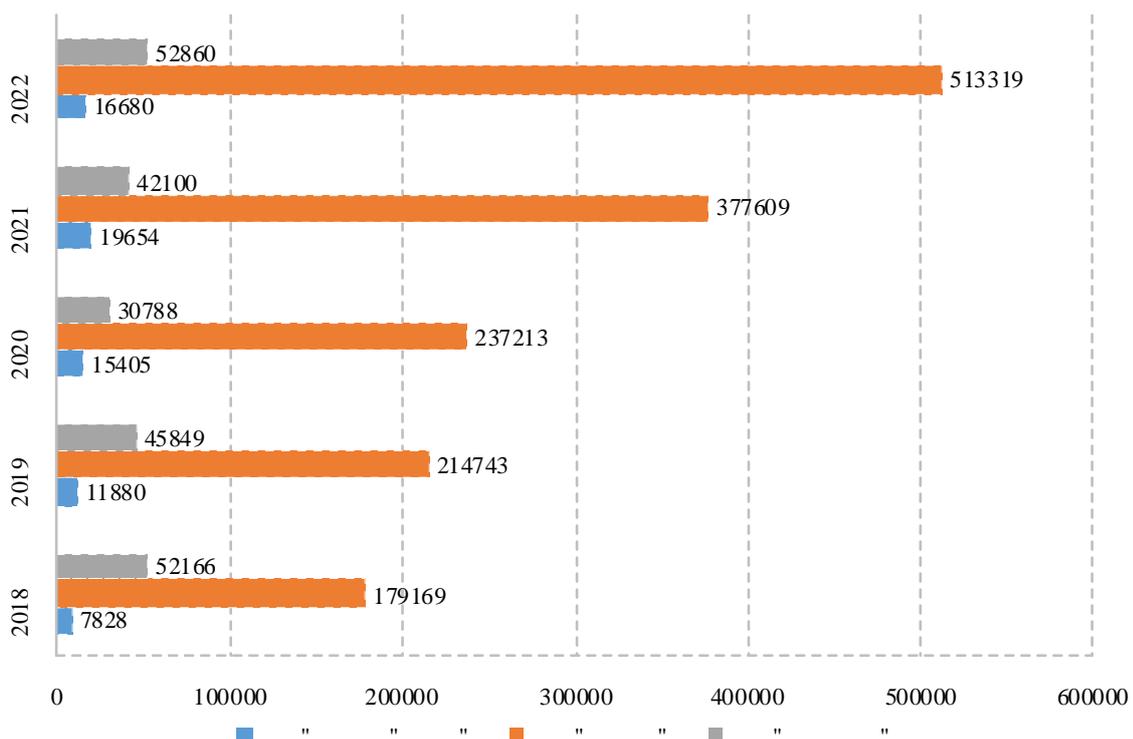
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.7.

( [1, 2, 3])

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 2022 2021 ,  
 2018-2021 ( 829 . ).  
 , 2022 « " "» 3  
 « » , 9,5  
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.8.  
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 2020 , 2018-2020 « -  
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2020–2022  
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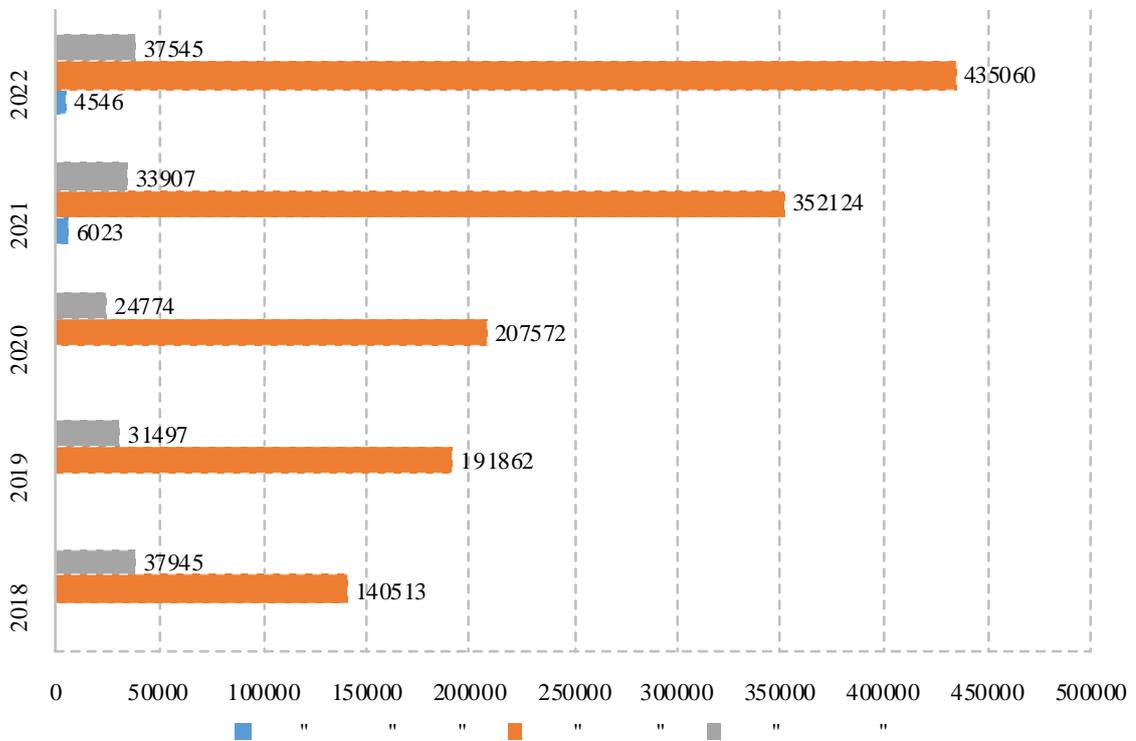
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[1, 2, 3]

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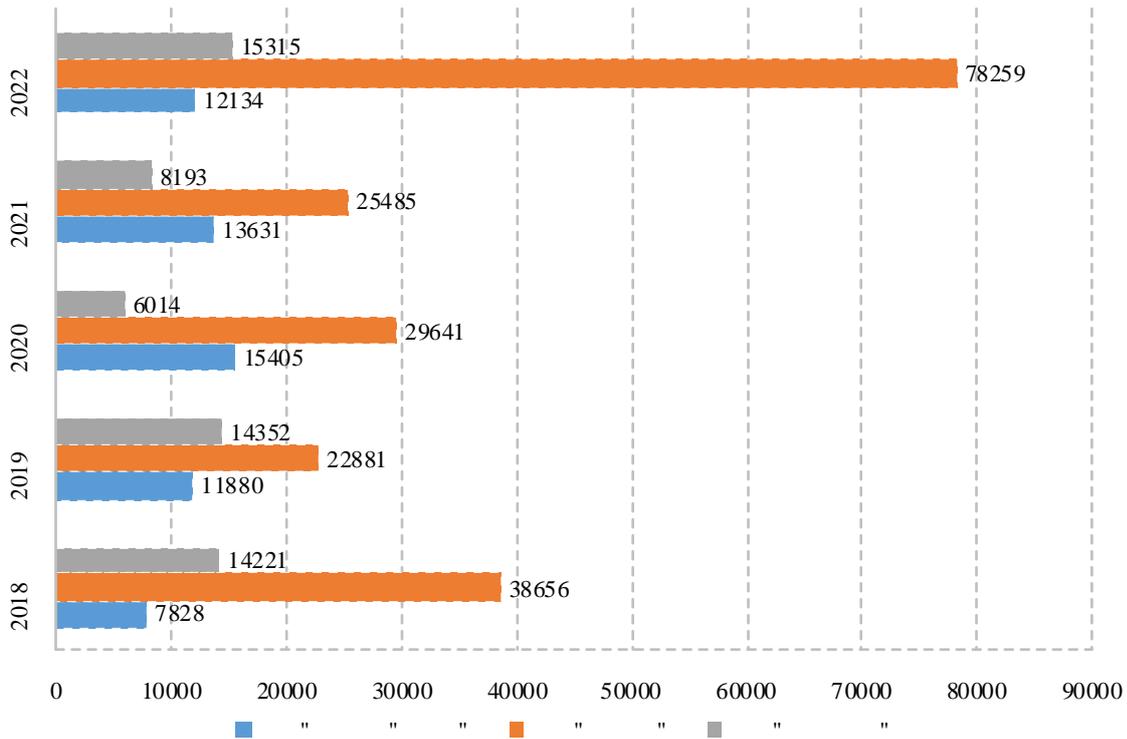
2018 ( 400 . ).

2018–2020

2021

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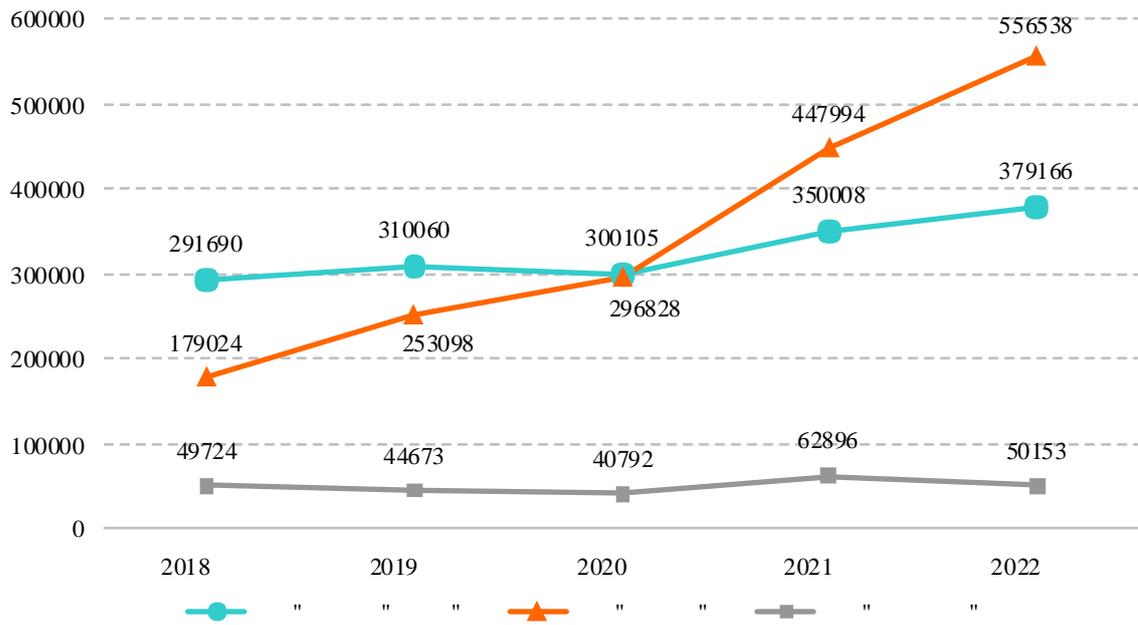
11,5 « » 8  
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 « » „ ” „».  
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.10.

[1, 2, 3]

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 « » 2022 ,  
 2018 ( 1094 . ).  
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 2018–2020  
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[1, 2, 3])

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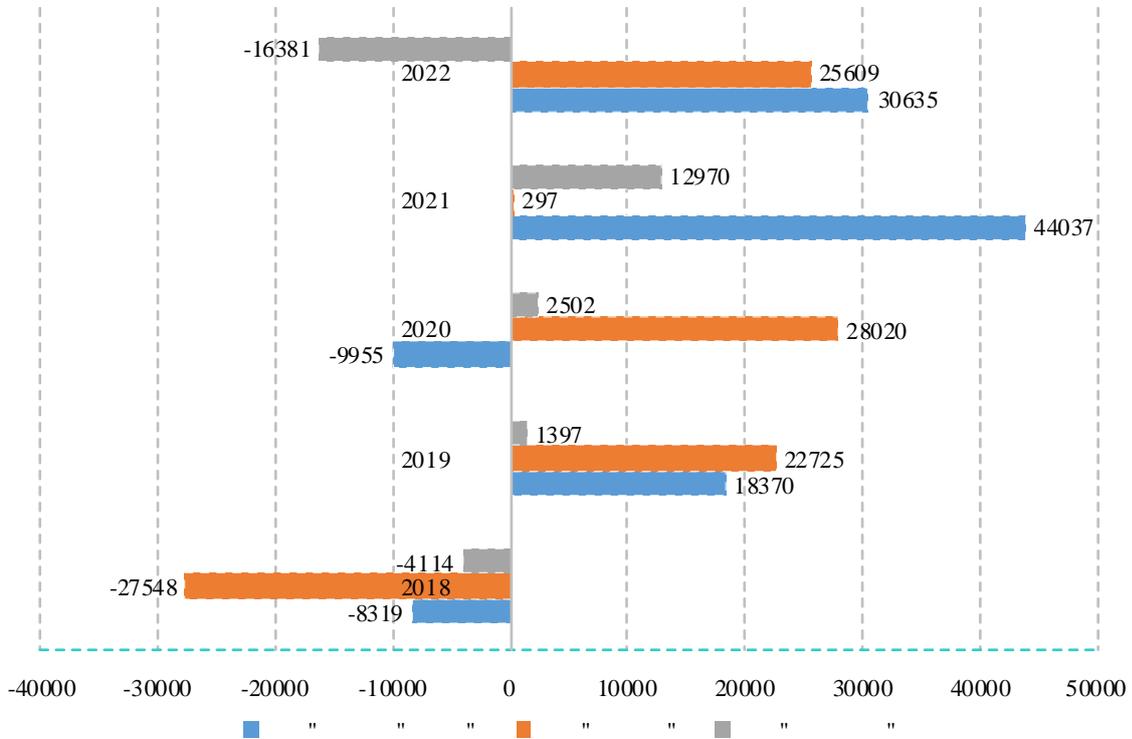
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2018, 2019 2020

« », 2021 2022

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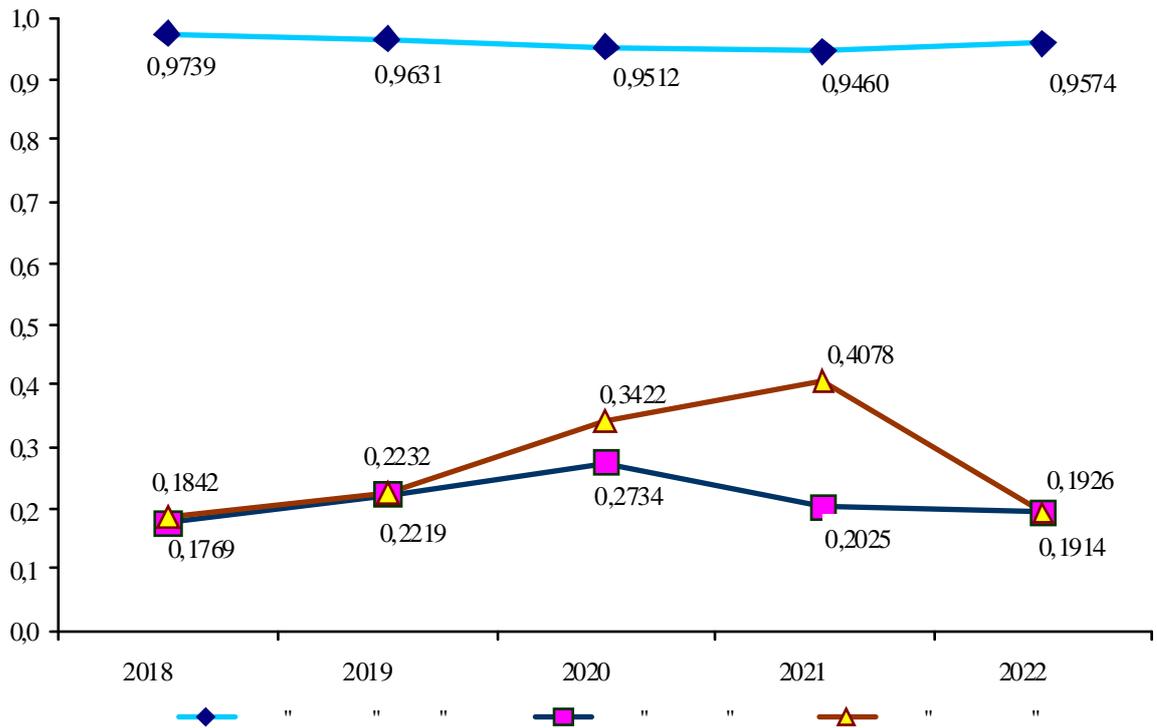
2022 –

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13

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0,95,



.13.

( [1, 2, 3])

2018 (0,9739). 2018–2021 2022 0,9574. 2022 -

2021 95,74 % 0,4. -

« " "» -

2022 -

« » « » -

« » 2018–2021 -

2022 2021 0,1926. « » 19,26 % -

2021 « » -

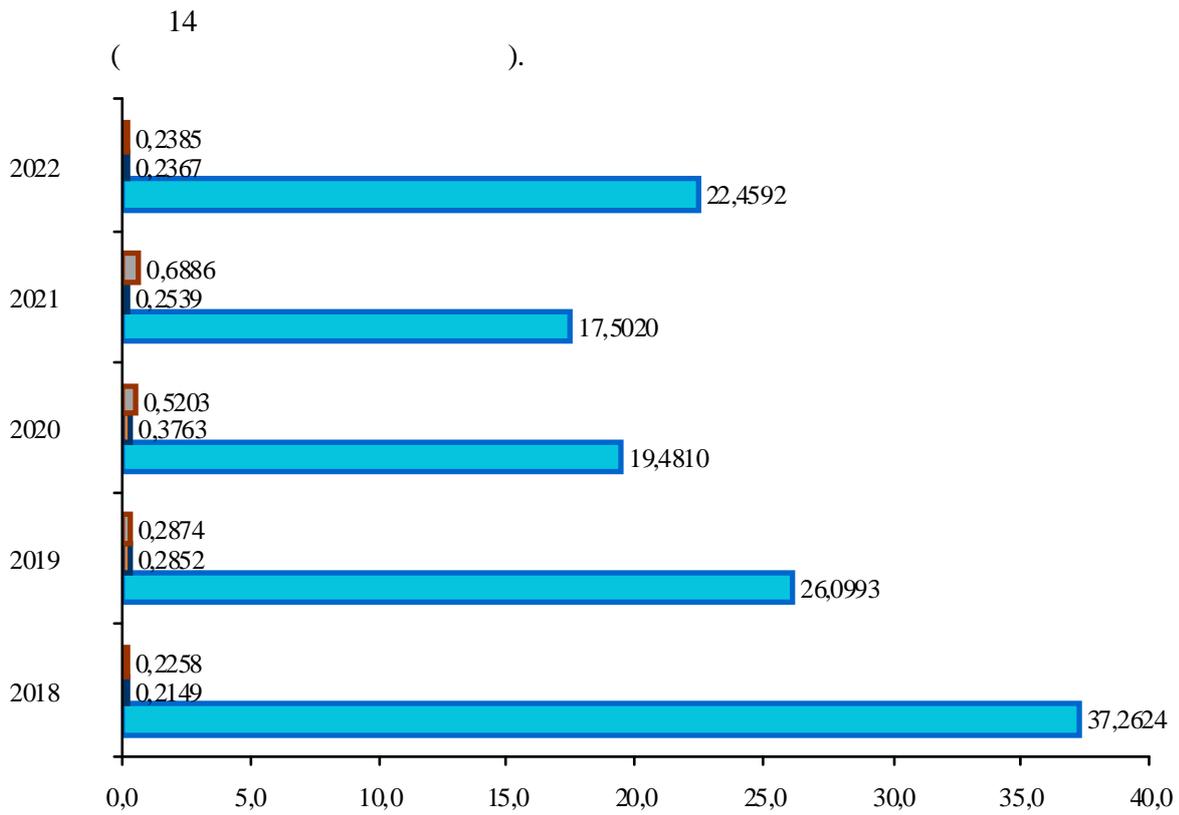
2020–2022 « » 2018–2020 -

2022 2019–2021 0,1914. -

2018 2022 « » 19,14 %. -

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.14.

( [1, 2, 3])

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1, « » « »  
2018 , 2018–2021 , 2022  
2021 « -  
" "», « " "»  
« » « » 2018, 2019 2022  
— 0,2149–0,2874,  
0,0019–0,0109. 2020 2021  
, « » 2021 ,  
« » 68,9 . 2022  
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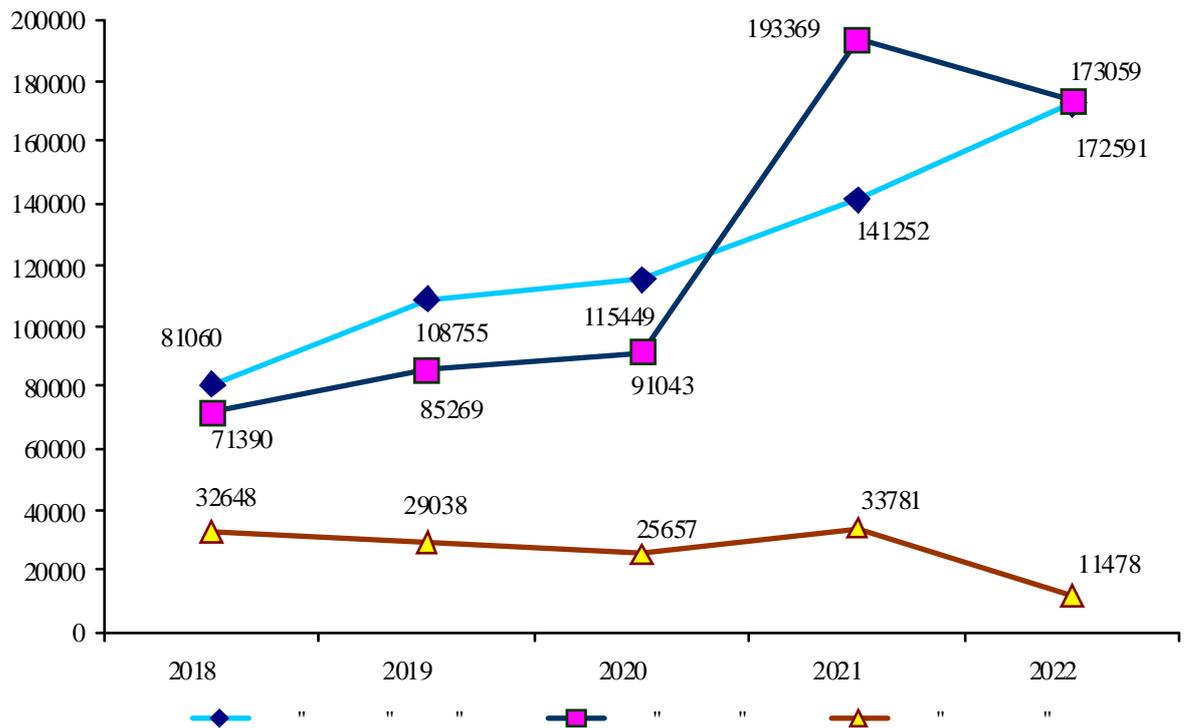
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16 17. ( )

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.16.

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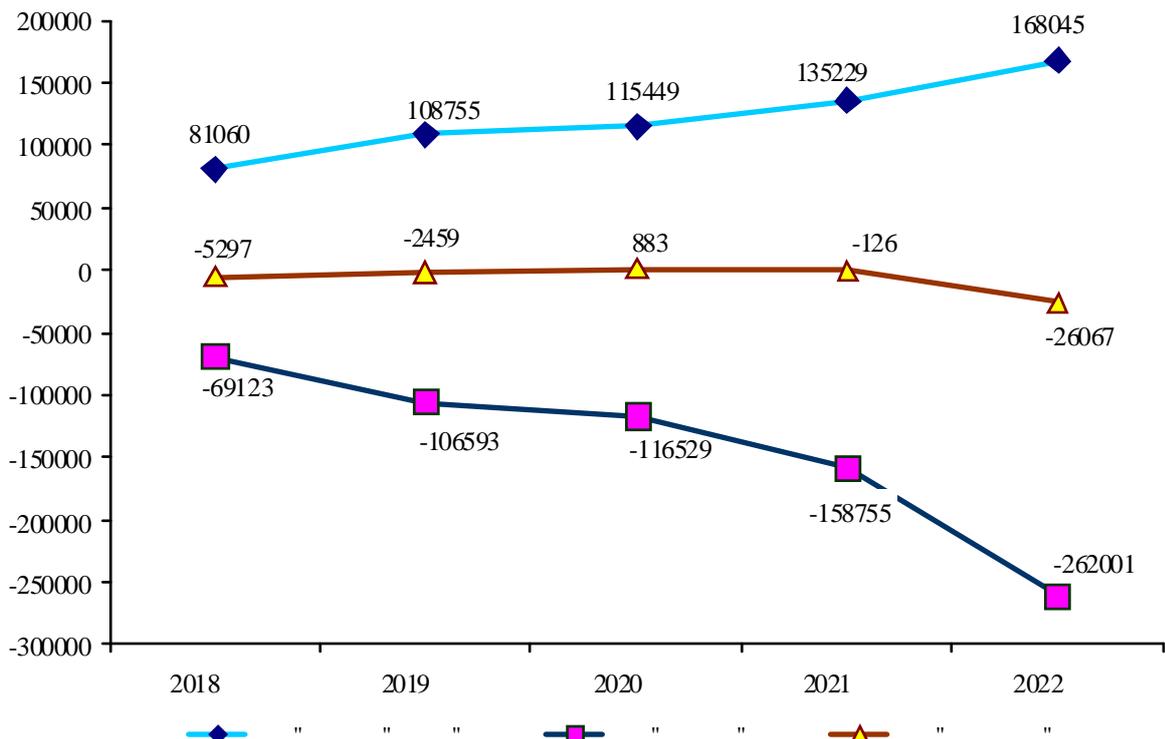
« " "» 468 . .

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« " "» 2018–2020

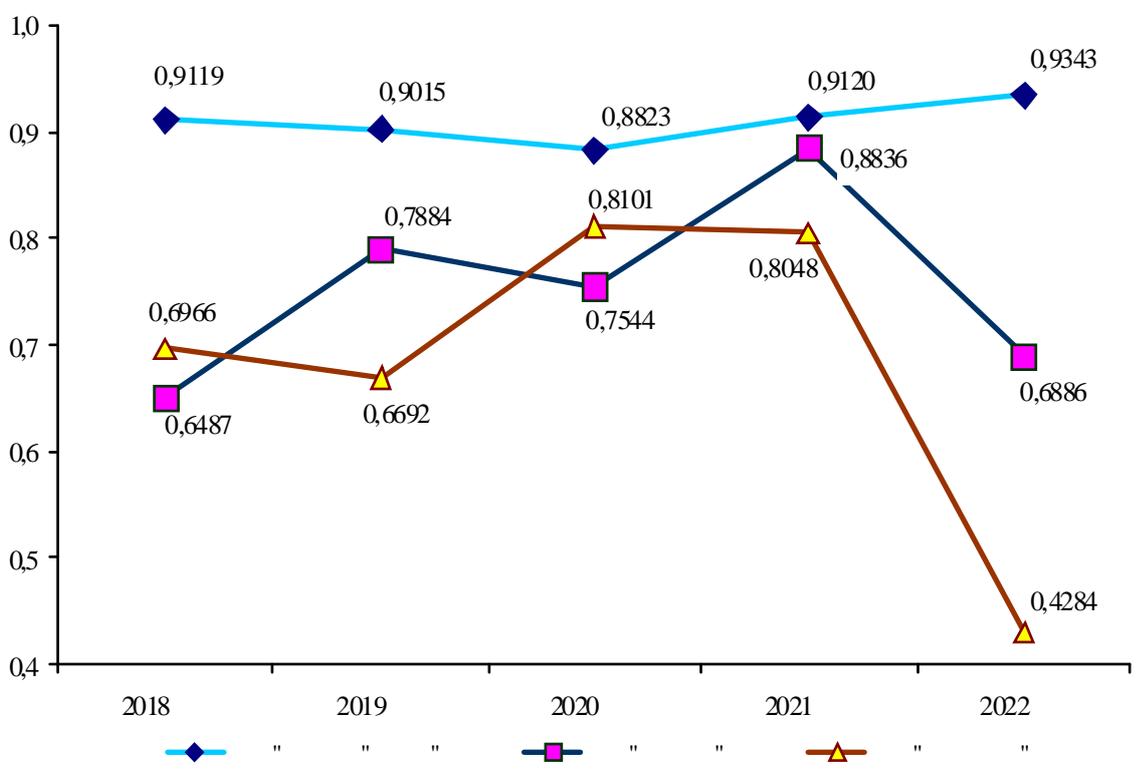
2021 2022

« " "» 2022 , 93,43 %



. 17.

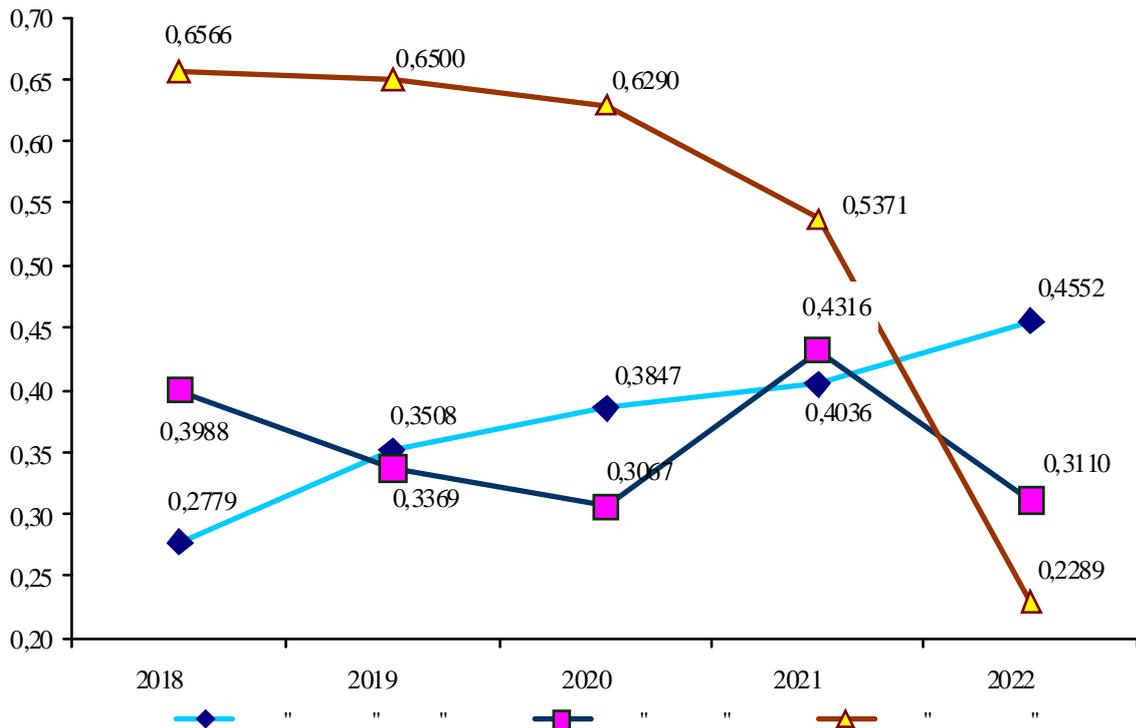
, . ( [1, 2, 3])



. 18.

( [1, 2, 3])

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 2018 , — 2021 , 88,36 %  
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 0,6886.  
 2018 , 2022 ,  
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 2020–2021 2018–2019 ( )  
 2020 — 0,8101), 2022  
 (0,4284).  
 42,84 %  
 4,5  
 - , 2022  
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 = 0,9119.  
 2018  
 = 0,9015.  
 2019  
 = 0,8823.  
 2020  
 = 0,8731.  
 2021  
 = 0,9097.  
 2022  
 2018–2020  
 , 2021 2022  
 « " "»  
 19  
 2022 «  
 " "». 45,52 %  
 « " "».  
 2021 , — 2020  
 . 2022 2021



.19.

( [1, 2, 3])

0,3110.

» 31,10 %  
2022

2020

2018–2020

0,0919, 2022 ( 0,0276), 2021 2021 ( 2,35 ) (0,2289).

22,89 %

4,5

2022

2018–2021

« " »,

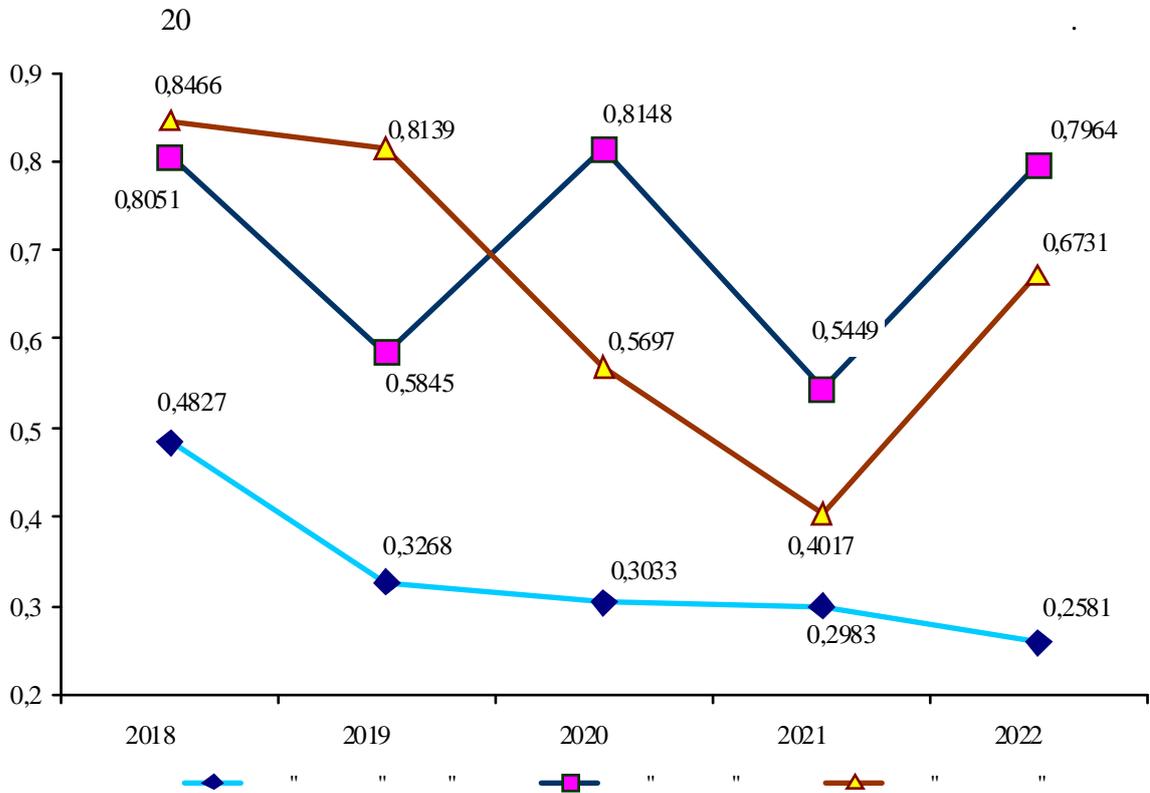
2018 = 0,2779.  
 2019 = 0,3508.  
 2020 = 0,3847.  
 2021 = 0,3931.  
 2022 = 0,4486.

2018–2020

2021 2022

« " »

2022



.20.

( [1, 2, 3])

« " ».

0,2581. 2018–2022 25,81% 2022  
 ), . . .

« »  
 — 2020 . 2022 2021 ,  
 0,7964.  
 80 %  
 20 % —

« ».  
 , . . , 2018–2021  
 2022 2021  
 0,6731. , 67,31 %

2018 = 0,4827.  
 2019 = 0,3268.  
 2020 = 0,3033.  
 2021 = 0,3116.  
 2022 = 0,2651.

« " "» « » ,  
 ,  
 « " "»,  
 2018–2020  
 ,  
 2021 2022

« " "»  
 .  
 2020 ( ), 2021  
 ,

« " "».  
 ,  
 « ». 2022 2021  
 ,  
 .

« » ,  
 .  
 « » ,  
 « » ,  
 , 2022 « » ,  
 .

( .2).  
 , « " "»  
 , « »

2.

2018–2022 , . \*

	2018	2019	2020	2021	2022
« " »					
1. -	39131	35541	35012	42138	44545
2.	81060	108755	115449	135229	168045
3.	81060	108755	115449	141252	172591
4.	81060	108755	115449	141252	172591
5.	41929	73214	80437	93091	123500
6.	41929	73214	80437	99114	128046
7.	41929	73214	80437	99114	128046
8. -	S = (1, 1, 1)				
« »					
1. -	57478	49843	74181	105360	137828
2.	-69123	-106593	-116529	-158755	-262001
3.	71390	85269	91043	193369	173059
4.	71390	85269	91043	193369	173059
5.	-126601	-156436	-190710	-264115	-399829
6.	13912	35426	16862	88009	35231
7.	13912	35426	16862	88009	35231
8. -	S = (0, 1, 1)				
« »					
1. -	27641	23633	14616	13570	7726
2.	-5297	-2459	883	-126	-26067
3.	32648	29038	25657	33781	11478
4.	32823	29038	25657	33781	11478
5.	-32938	-26092	-13733	-13696	-33793
6.	5007	5405	11041	20211	3752
7.	5182	5405	11041	20211	3752
8. -	S = (0, 1, 1)				

\* [1, 2, 3]

« »—

( 2018 « »),

« " »

« " "»

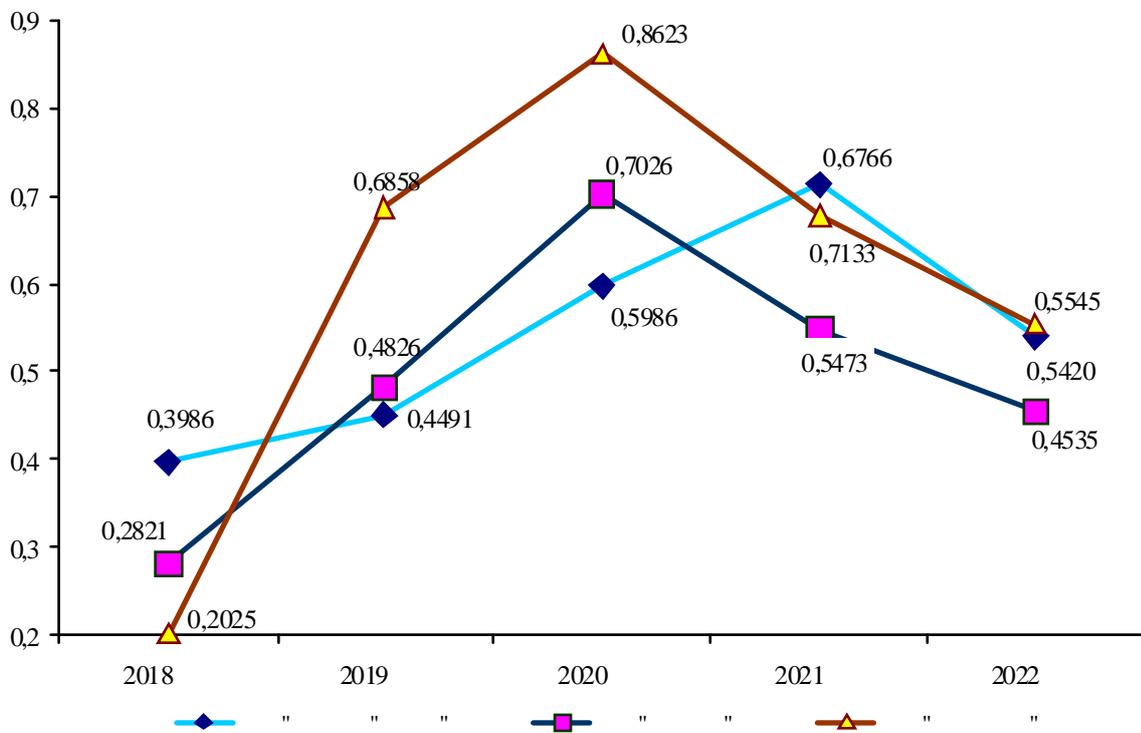
2021 ,

2022

« ».

« »

2022



.21.

( [1, 2, 3])

						2022		
«	».							-
0,5545,	1,80	649,2	, . .		1		1,	-
		2020	(0,8623),			— 2018	(0,2025).	-
		2018–2020						-
		2020–2022	—					-
	2018–2020							-
	2019	2019	2018					-
2020								-
2021		2020						-
								-
«	»					2022		-
2021		2022	«	»		2018	,	-
(2019–2021	)					2022		-
«	" "	».						-
1,84	664,2	, . .	1				0,5420,	-
	2021	(0,7133),				— 2018	(0,3986).	-
	2018–2021							-
	2022	2021	—					-
	2018–2021					2022	2021	-
								-
"	"»	2022	2021	2020			«	-
		2019	2018					-
						2022		-
«	».					0,4535,		-
793,8	, . .	1					2,2	-
	2020	(0,7026),				— 2018	(0,2821).	-
	2018–2020							-
	2020–2022	—					2018–2020	-
								-
								-
								-
								-

2018 , (2019–2021 ) « » -

3.

2018–2022 , . \*

	2018	2019	2021	2020	2022
« " "»	0,4093	0,4663	0,6294	0,7541	0,5662
		+0,0570	+0,1631	+0,1247	-0,1879
« »	1,5945	2,1749	2,5698	2,7030	2,3699
		+0,5804	+0,3949	+0,1333	-0,3331
« »	1,0993	3,0721	2,5197	1,6593	2,8793
		+1,9728	-0,5524	-0,8604	-1,2200

\* [1, 2, 3]

« », , 1,7, 2,8793, 2022 125 .

2019 2019 (3,0721), — 2018 (1,0993). ,

2,8 , 2018 2019–2021 2021 — .

2019 2018

2019–2021 , 2022 2021

« » 2019, 2022 2020 40 %.

2019 2022 ( , 0,2232 0,1926), 0,4,

2,3699, 151,9 . « » 2022 — 2018

(1,5945). , 2022 2018–2021 (2,7030),

2021 — .

2018–2021 2021

2022 2021

« ».

2019–2022

0,4.

0,5662, 1,76 635,8 « " "» 2022 1

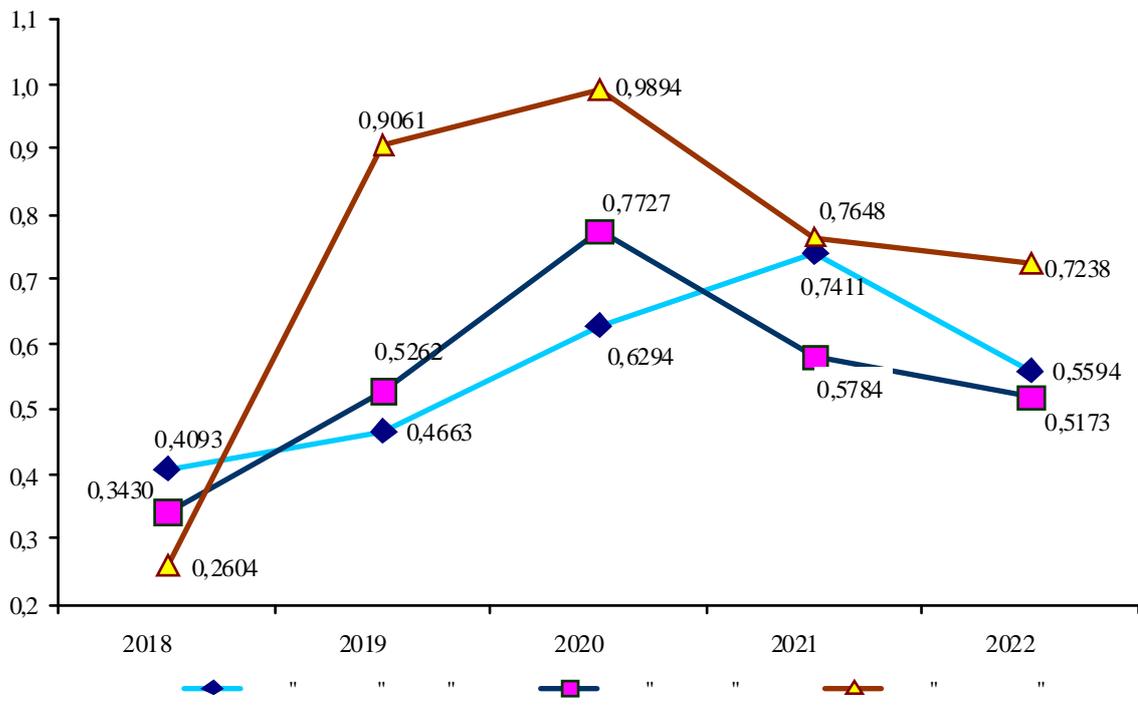
2021 (0,7541), — 2018 (0,4093). 2018–2021

2022 2021 — 2018–2021

2022 2021

« " "»

22



.22.

( [1, 2, 3])

						2022
		«	».			
				1,15,	0,7238,	497,4
		1				1,4
			2020	(0,9894),	— 2018	(0,2604).
			2018–2020			-
				2020–2022	—	-
						-
					2018–2020	-
						-
2019		2018			2020	-
2019						-
	2021		2020			-
						-
			«	»		-
			2022		2021	-
	«	»		2018		2022
						(2019–2021
						)
		2022		«	».	-
		0,5594,		643,6		1
				1,8		-
2021	(0,7411),		— 2018	(0,4093).		2018–
2021						
2022		2021	—			-
	2018–2020					-
						-
					2018–2021	-
						-
2020		(	2019	)	2022	2021
						-
						-
						-
		«	"	"»	2022	2021 2020
						,
				2019	2018	
						2022
		«	».			-
						-

695,9  
1,9

— 2018 (0,3430).

2020 (0,7727),  
2018–2020  
2020–2022

2018–2020

« » 2018  
(2019–2021 )

4

4.

2018–2022 \*

	2018	2019	2021	2020	2022
« " »	15,2497	12,1696	12,2604	13,1979	12,7157
		-3,0801	+0,0908	+0,9374	-0,4822
« »	0,3427	0,6202	0,9669	0,6863	0,5609
		+0,2775	+0,3467	-0,2807	-0,1254
« »	0,2482	0,8829	1,3109	1,1425	0,6868
		+0,6346	+0,4280	-0,1684	-0,4558

\* [1, 2, 3]

« " », 1,7, 2022 12,7157,  
28,3

2018 (15,2497), — 2019 (12,1696).  
2019  
2018  
2019–2021  
2022 2021 —

2019 2018

2021 2019–  
2022 2021

« " »

2,5–5,4

2022 « ».

643,6 , . . . 1 0,6868, 1,5 . -

2020 (1,3109), — 2018 (0,2482). , -

2018–2020 , -

2020–2022 — 2018 , 2019 -

. 2020 2019 -

. 2021 , , 2021 -

. 2022 , , 2021 -

« » 2018 , (2019–2021 -

) 2022 -

« ».

641,9 , . . . 1 0,5609, 1,8 . -

2020 (0,9669), — 2018 (0,3427). , -

2018–2020 — 2018–2020 -

. , , , -

. , , , -

2018 , (2019–2021 ) « » -

« » « " "» , -

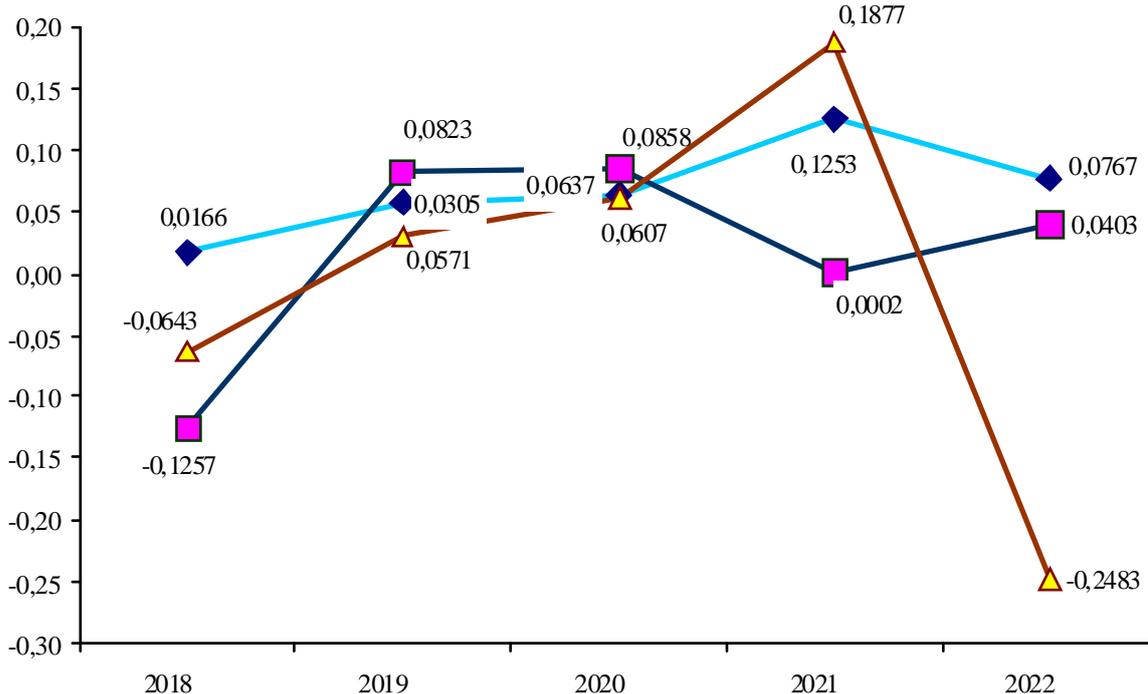
, « " "» , -

« » « » 2022 , « » -

" "» — 19,26%, « » — 19,14%. 2022 « » -

« " "» , 2022 4,26%. -

23 ( ) -



.23.

« " ».

0,0767.

7,7 .

« " » 2021 (0,1253), — 2018 (0,0166).

2021 ( ) 2022

( )

2018–2021

2020 2019 . 2022

2021 « " »

2018–2022

« » 2022 0,0403.

4,0 .

2020 (0,0858), 2021 (0,0002).

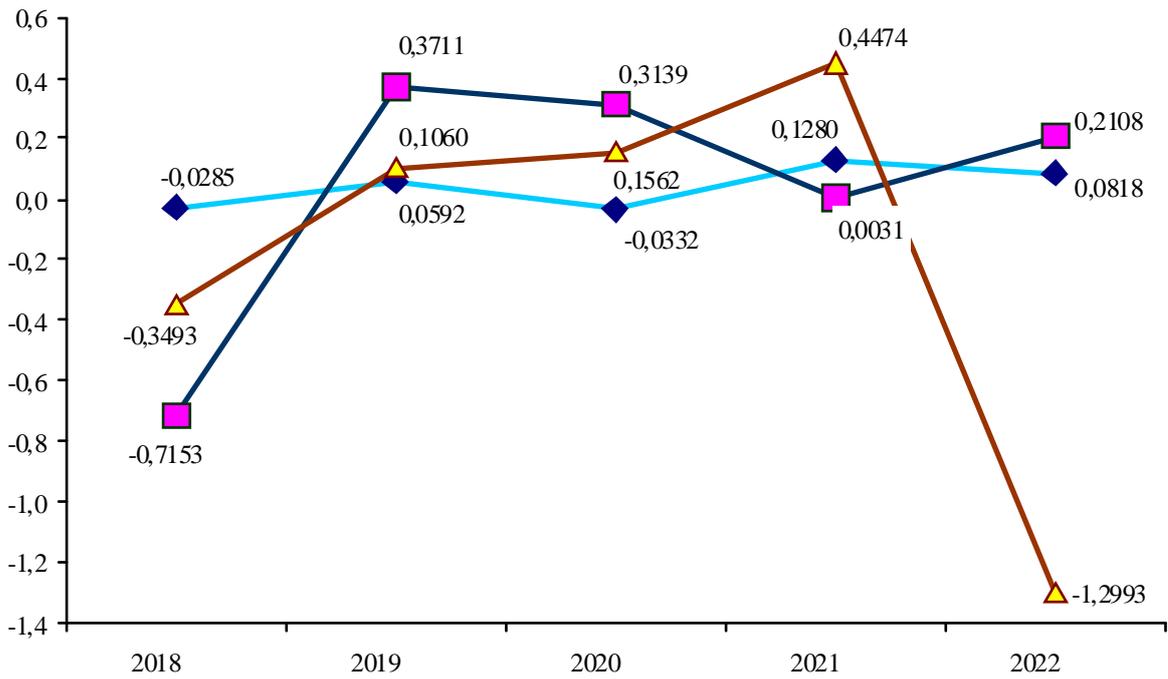
2018 (-0,1257).

2018–2020 , 2021 2020

, 2022 2021

2018–2020

2021 « » 2022 , -  
2022 « » , -  
24,8 1 -0,2483. -  
2019 (0,0305). 2021 (0,1877), 2022 2018 « » -  
2022 ( ) 2021 2018- -  
2021 , 2022 2021 2021 -  
, 2018-2021 , 2022 2021 -  
2022 « » , 2022 -  
« " "» « » -  
« » -  
« » -  
« » -  
« " "», 2022 -  
24 ( ) -  
2022 -  
« » 0,2108. , -  
21,1 « » 2019 -  
(0,3711), 2021 (0,0031). 2018 (-  
0,7153). ( ) 2019 2019 2018 2018 -  
2021 , 2019-2021 ( ) 2022 -  
( ) -  
2019 , 2018 « » -  
, 2019-2021 , -  
2019 2019 , -  
, 2021 2020 2021 -  
2022 2021 -  
, 3- , « » -  
, « » -  
" "». 2022 0,0818. « -  
-

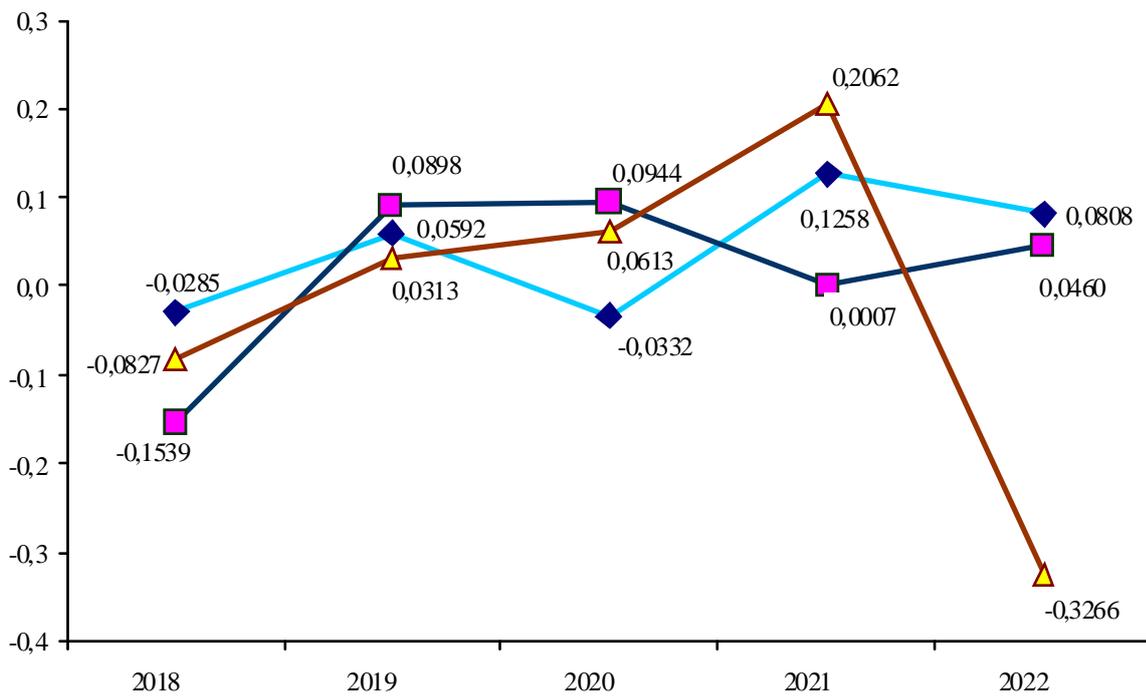


.24.

( [1, 2, 3] )

21,1 . « " "» 2021 (0,1280),  
 2019 (0,0592). — 2020 (-0,0332). ( -  
 )  
 . 2019 2018 , 2019  
 2018  
 2020 « " "» 2021 ,  
 ( ) . 2022 2021 ,  
 . 2022  
 « " "» .  
 2022 « » ,  
 -1,2993.  
 ,  
 2021 (0,4474), 2019 (0,0305).  
 2022 2018 « »  
 , 2022 ,  
 ( ) )  
 . 2018–2021 , 2022 2021  
 , 2018–2021 , 2022 -

« » 3 « », « », 5026 . . . « » . . . 2022 « » « » , . . . 25 ( ) .



.25.

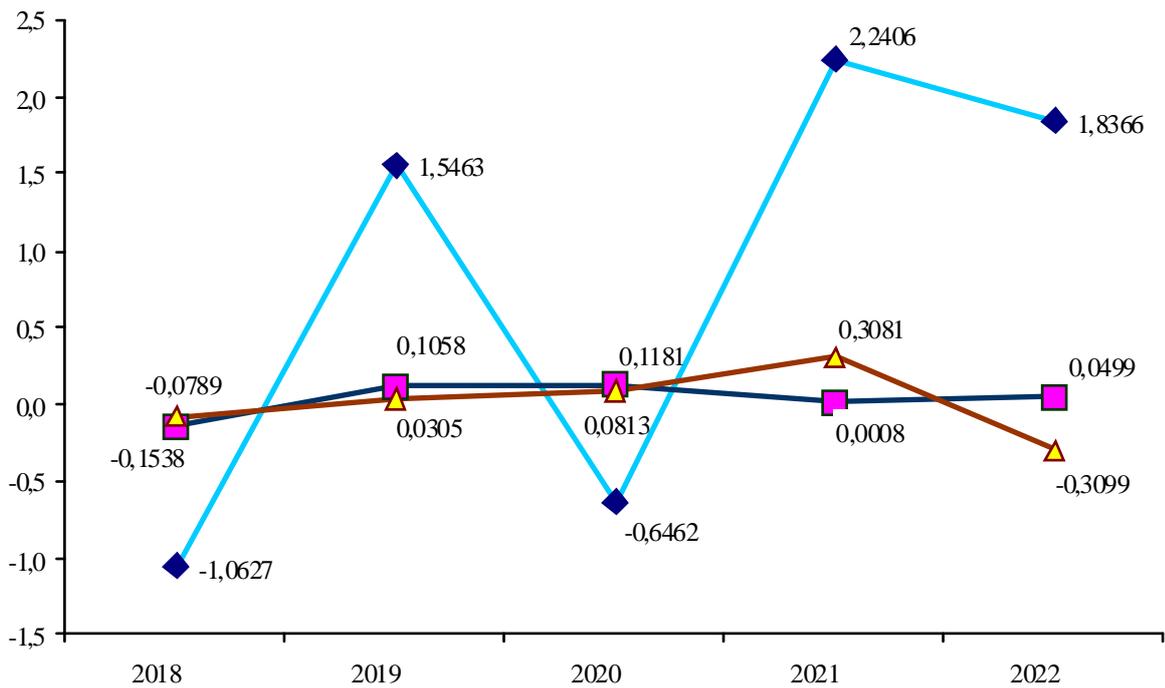
« » « » ( ) [1, 2, 3] 2022

« » « » 0,0808. 8,1 « » 2021 (0,1258), — 2019 (0,0592).

— 2020 (-0,0332). ( ) ( )

2019 2018 2018 2019 2020 « » 2021 2022 2021

, , ( ) « " "». -  
 « » 2022 0,0460. -  
 2021 (0,0007). 2020 4,6 (0,0944), -  
 — 2018 (-0,1539). : 2018- -  
 2020 , 2021 2020 , -  
 2022 2021 . 2018-2020 , -  
 , , 2021 « » -  
 , 2022 -  
 2022 « » , -0,3266. -  
 , 1 32,7 . 2021 -  
 (0,2062), 2018 « » 2019 (0,0313). 2022 -  
 , 2022 , -  
 ( 2021 ) , 2022 2021 2018- -  
 ( « » 2018-2021 ), 2022 -  
 2021 , 2022 « » .  
 « " "», « » 1,47 « -  
 " "». « » ,  
 2022 26 ( ) -  
 « " "». 1,8366. 2022 -  
 , , 1,8 , -  
 2021 « " "» 2019 (2,2406),  
 (1,5463).



.26.

« » ( ) [1, 2, 3])  
 — 2018 (-0,7153).  
 ( )  
 . 2019 2018  
 2018 , 2019  
 2020 « » "»  
 ( ) . 2021  
 , . 2022 2021  
 , , 5 %  
 « » 2022 0,0499.  
 5,0 .  
 2020 (0,1181), 2021  
 (0,0008).  
 — 2018 (-0,1538).  
 : 2018–2020 , 2021 2020  
 , 2022 2021  
 , 2018–2020  
 , ,  
 . 2021 « »  
 . 2022

2022 « » , -  
 , 31,0 1 -0,3099. -  
 (0,0305). 2021 (0,3081), 2019  
 2022 2018 « » 2022 , -  
 ( ) , 2022 2021 2018-2021 -  
 2021 ( « » 2018-2021 ), 2022 -  
 , 2022 « » .  
 « " "», « » « » -  
 » 30 , « " "». « » -  
 » , 2022 « " "» « » -  
 , « »— « » -  
 , « " "» « » -  
 . -  
 , , , -  
 . -  
 • « » « " "» : -  
 , 2022 « " "» -  
 « » 2022 -  
 2021 , -  
 2018-2020 2021 , « » « " "» -





25. // ( )/ . — 2013. — 11-1. — 129–131. — EDN RIUFCH.
26. // 6: . — 2020. — 4. — 3–26. — EDN NFNLAN.
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## PROSPECTS FOR THE IMPLEMENTATION OF RUSSIA'S SOCIAL POLICY THROUGH NON-STATE PENSION FUNDS

The pension system is a system of interrelated and interacting monetary sources, bodies and institutions, security entities, types of security and regulatory legal acts aimed at realizing the rights of citizens in the field of pension provision. The pension system in Russia, as in most countries of the world, is based on the insurance principle. Citizens are insured persons, and their employers pay insurance premiums for them to the Pension and Social Insurance Fund of the Russian Federation throughout their working life. Non-state pension funds are organizations involved in non-state pension provision of citizens: early retirement and mandatory pension insurance. A non-state pension fund is a special organizational and legal form of a non-profit organization

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of a social orientation. The Central Bank of the Russian Federation controls and regulates the activities of such funds. Pension reserves are funds held by a non-state pension fund to fulfill obligations to participants, and pension savings — to fulfill obligations to insured persons. Retirement savings are funds kept on the personal account of citizens. The first places in the rating in terms of savings are occupied by those organizations that store the most savings of future pensioners.

*Keywords:* social support, pension system, non-state pension funds, pension reserves.

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1.

2017–2021 .\*

	( ),					2021 . 2019 ., %
	2017	2018	2019	2020	2021	
« »	353 189	469 718	573 509	614 637	658 935	+14,9
« »	165 103	457 382	505 785	554 522	570 529	+12,9
« « »	250 738	253 209	492 990	516 083	530 373	+7,6
« « »	259 371	282 613	262 197	260 708	268 333	+2,3
	126 869	143 629	191 830	246 200	266 213	+38,8
« »	186 004	192 301	165 023	259 880	259 409	+57,2
« »	7 252	7 256	120 664	128 328	177 068	+46,7
« »	34 418	35 893	37 624	45 776	48 249	+28,2
« »	17 676	17 528	17 621	20 729	24 805	+40,8
« « »	14 884	15 373	17 967	22 050	23 385	+30,2

\* [11]

14,9%,

»—

2,3%.

57,2%.

« »—

2021

2017–2020

9,7%,

2021

3

60,7%.

—6,7%.

2019

12,9%.

1,2%,

3

8

86

## 2.

2017–2021

	2017–2021					2021 . 2019 ., %
	2017	2018	2019	2020	2021	
« »	372 203	3 743 79	406 209	436 142	445 529	+9,7
« « »	327 012	368 630	386 805	414 920	441 751	+14,2
« »	76 285	84 071	89 352	98 873	107 469	+20,3
« »	45 062	0	65 901	86 711	105 900	+60,7
« « »	25 043	24 777	63 996	67 406	68 258	+6,7
« »	18 207	26 651	37 718	45 293	55 899	+48,2
« « »	15 188	18 595	25 406	30 409	34 968	+37,6
« »	3	17 885	18 964	22 215	24 831	+30,9
« »	0	0	16 946	20 385	23 480	+38,6
« »	13 930	15 724	17 383	19 543	21 169	+21,8

\* [11]

## 3.

2017–2021 .\*

	2017–2021					2021 . 2019 ., %
	2017	2018	2019	2020	2021	
« »	4 249	6 815	8 855	8 725	8 753	-1,2
-	41	58	85	99	97	+12,9
« « »	3 338	3 499	7 415	7 116	7 036	-5,1
-	86	79	70	76	115	+63,9
« »	1 340	6 225	6 326	6 460	6 435	+1,7
-	36	72	83	89	85	+1,7
« « »	3 964	4 428	4 503	4 291	4 214	-6,4
-	38	68	46	34	57	+23,4
« « »	2 265	2 266	2 163	3 877	3 825	+76,8
-	12	15	22	20	32	+45,9
« »	1 329	1 540	2 121	2 655	2 722	+28,3
-	18	21	24	28	26	+11,9
« »	71	65	1 530	1 467	1 980	+29,4
-	1	3	3	6	12	4
« « »	46	51	49	49	440	9
-	0,9	2	2	2	16	8
« »	308	279	268	284	309	+15,5
-	11	11	10	9	8	-16,7
« « »	243	238	268	307	303	+13,1
-	8	7	7	6	6	-12,9

\* [11]

2017–2021

4  
2020

## 4.

2017–2021 .\*

						2021 . 2019 ., %
	2017	2018	2019	2020	2021	
« »	379 665	509 584	627 149	678 622	73 1451	+16,6
« « »	283 610	283 822	564 937	602 520	61 1645	+8,3
« »	168 049	490 290	541 409	594 113	610926	+12,8
« »	415 091	436 121	477 483	518 873	532789	+11,6
« »	340 054	377 837	407 632	437 411	465878	+14,3
« »	46 419	58 278	192 675	225 572	294377	+52,8
	130 365	147 362	200 019	260 368	285954	+43,0
« « »	269 208	291 688	268 032	270 670	281400	+5,0
« « »	198 463	204 533	177 631	275 767	273294	+53,9
« »	86 205	96 359	101 711	112 170	122235	+20,2

\* [11]

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2021 16,6%.  
53,9%. « — 5%.  
( ).  
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2021 4  
5, « »  
29,3%. 3 « — 66,4%.

## 5.

2017–2021 .\*

						2021 . 2019 ., %
	2017	2018	2019	2020	2021	
« »	0	0	119 480	143648	154481	+29,3
« « »	0	0	69 041	83 746	95 101	+37,7
« »	5 262	16626	25 049	33 949	37 699	+50,5
« « »	5 220	7 811	19 146	31 613	29 395	+53,5
« »	3 543	26 409	32 065	36 223	25 332	-21,0
« »	393	574	12 984	19 352	21 603	+66,4
« »	10 039	11 153	13 085	14 962	15 920	+21,7
« »	1 848	11 129	11 250	13 453	15 492	+37,7
« « »	4 997	7 837	9 709	15 204	12 577	+29,5
	2 634	14 491	8 040	9 992	10 466	+30,2

\* [11]

» 3 21%.

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	5	2017	2018	2019	2020	2021
« « »	9,01	12,62	11,16	6,78	8,78	5,84
« « »	8,77	11,51	9,71	6,83	10,75	5,17
« »	8,75	11,61	8,74	5,32	12,12	6,14
« « »	8,58	11,95	9,97	3,94	12,16	5,14
« « »	8,38	12,22	8,14	5,04	10,72	5,96
« « - »	8,31	11,31	9,66	4,1	10,81	5,88
« »	8,22	10,8	8,13	5,12	10,36	6,79
« »	8,11	13,16	9,53	6,37	6,21	5,46
« »	8,06	11,48	9,81	4,08	9,49	5,61
« - »	8,01	10,36	9,19	4,78	9,88	5,95
	7,86	10,3	9,02	5,53	8,58	5,96
« »	7,76	9,76	8,83	4,2	9,68	6,42
« - »	7,63	9,63	8,16	4,15	10,94	5,42

\*

[11]

6,

2017

5

13,16% — « » — 9,01%.

2017

».

7

2021

2017–2020

« ».

3  
2019-2021

17,2%.

— « - » — 2,9

1,8%.

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», «

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7.

2017–2021 .\*

	2017	2018	2019	2020	2021	2021 . 2019 ., %
« »	15 570	16 824	18 581	20 552	21 771	+17,2
« « »	14 469	16 912	18 690	20 504	21 229	+13,6
« « »	1 805	1 914	3 510	6 288	6 214	+77,1
« »	2 506	2 948	1 747	4 154	5 142	2,9
« »	2 078	2 522	2 910	3 193	3 467	+19,2
« - »	2 572	2 600	2 628	2 642	2 793	+6,3
« »	0	1 103	1 581	1 667	1 716	+8,6
« « »	1 150	1 257	1 342	1 441	1 663	+23,9
« « - »	1 480	1 505	1 553	1 576	1 582	+1,8
« »	742	885	1 024	1 130	1 191	+16,3

\* [11]

2016

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2012–2021

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2018

32

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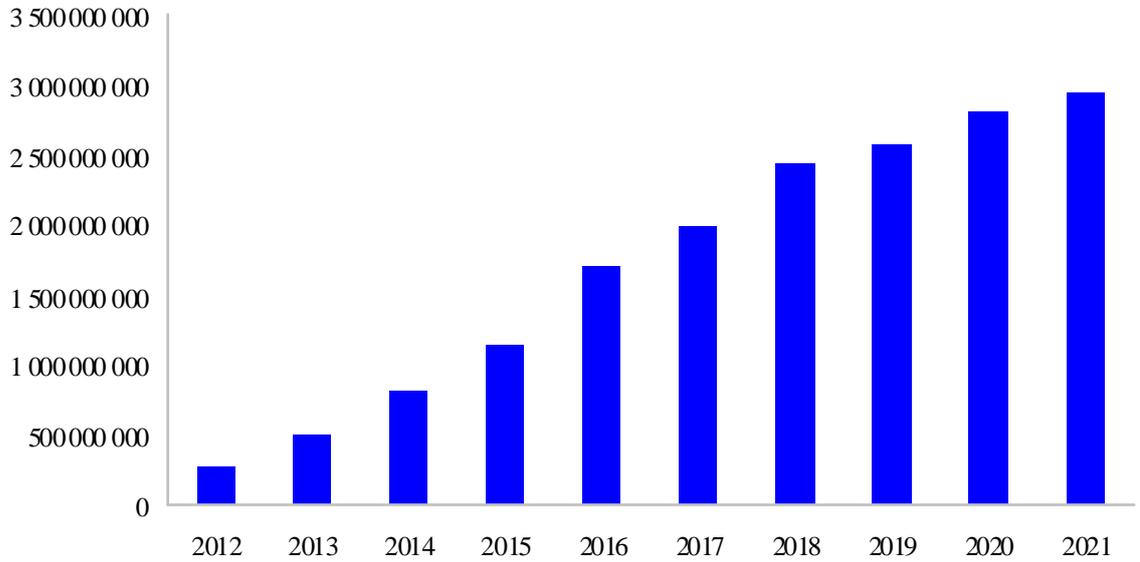
10

- 2012 — 263 923 664 . . ;
- 2013 — 509 257 470 . . ;
- 2014 — 817 713 126 . . ;
- 2015 — 1 132 441 332 . . ;
- 2016 — 1 719 548 668 . . ;

90



. 1. 2012–2021 ., . ( [11])

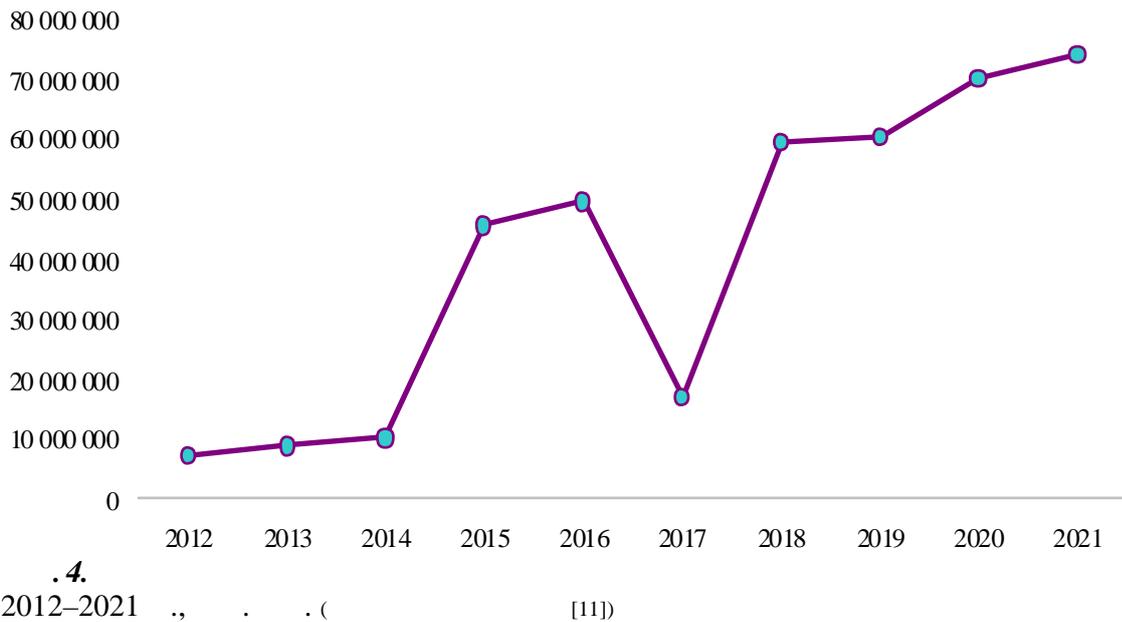
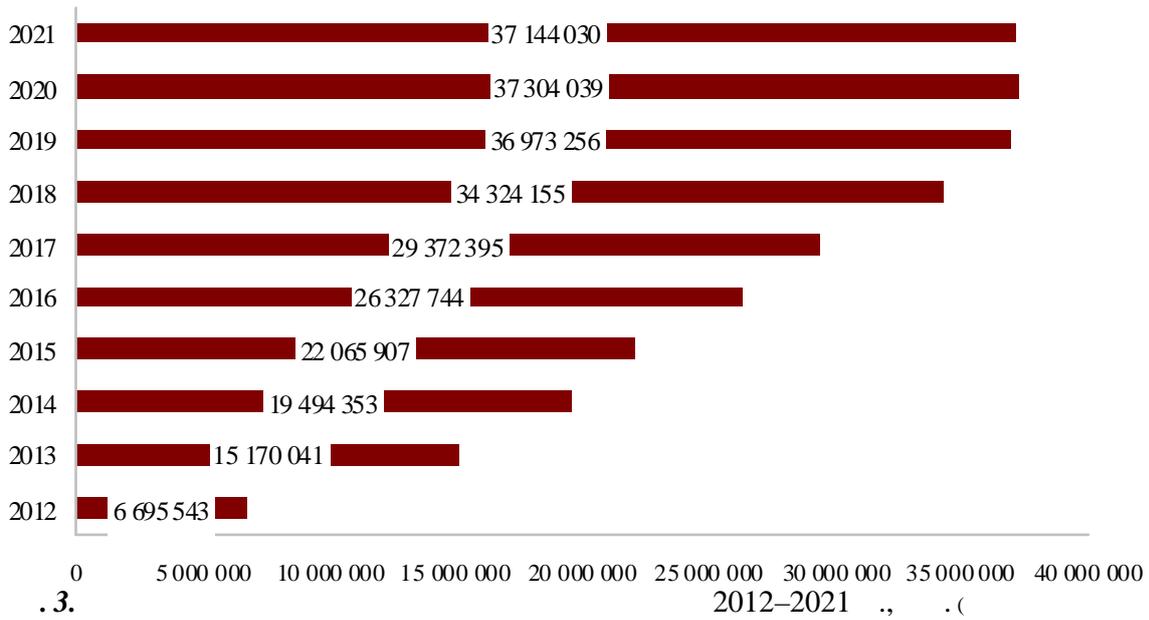


. 2. 2012–2021 ., . ( [11])

- 2017 — 1 991 033 611 . . ;
- 2018 — 2 435 011 423 . . ;
- 2019 — 2 582 322 848 . . ;
- 2020 — 2 823 051 146 . . ;
- 2021 — 2 946 124 720 . . [11].

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- 2017 , , 2012
- 2012 — 7 005 814 . ;
  - 2013 — 8 642 700 . ;
  - 2014 — 9 904 643 . ;
  - 2015 — 45 522 673 . ;
  - 2016 — 49 329 381 . ;
  - 2017 — 16 960 141 . ;
  - 2018 — 59 553 404 . ;
  - 2019 — 60 318 046 . ;

- 2020 — 70 185 892 . . . ;
- 2021 — 74 006 021 . . . [11].

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## **THE CONCEPTUAL FRAMEWORK OF THE INSTITUTIONAL FRAMEWORK FOR THE DIGITAL ASSET SYSTEM**

This article explores the importance of institutionalisation of the digital asset system. The relevance of the topic lies in the need to establish clear and transparent rules of the game to ensure the security and protection of participants' rights. The methodology of the study includes an analysis of formal and informal rules, as well as a consideration of the conceptual framework related to the institutional regulation of digital assets.

The paper presents the basic assumption that formal rules are defined by legislation and governance rules, while informal rules are based on norms, values and social customs. The rules of transactions, storage and transfer of assets, participation in the system and the performance of smart contracts are considered.

The study highlights the importance of considering both formal and informal rules of the game for the effective functioning of the digital asset system. The need for transparent rules of the game, consistent with social norms and expectations, is a key finding of this paper.

*Keywords:* institutional enforcement, digital asset system, formal rules of the game, informal rules, legislation, governance and regulatory bodies, effective functioning, security and rights protection, transaction rules, institutional regulation of digital assets, cryptocurrency.



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2017–2022

### ANALYSIS OF FIXED CAPITAL INVESTMENTS IN THE REPUBLIC OF CRIMEA FOR 2017–2022

The uneven flow of investment funds into fixed assets requires studying trends and the reasons for their changes in order to form management decisions in the future aimed at attracting investment resources, as well as leveling the risks of reducing investment flows. To conduct the research, such methods were used as: analysis of dynamics series (to study investment flows over several years), comparison method (to study the dynamics, structure of investments and determine the general trend of changes in investment amounts), deduction method, generalization. The article examines the dynamics and structure of investments in fixed assets of the Republic of Crimea for the period from 2017 to 2022, and defines a general trend. A comparative analysis of income from investment activities in the Southern Federal District and in the Republic of Crimea was carried out. The analysis of the structure of sources of investment income is carried out, the main trends are identified. The factors that reduce investment activity and the advantages of attracting investment resources to the Crimea are identified.

*Keywords:* investment, analysis, fixed capital, investor, investment project, growth rate, free economic zone.

2017 2022 .

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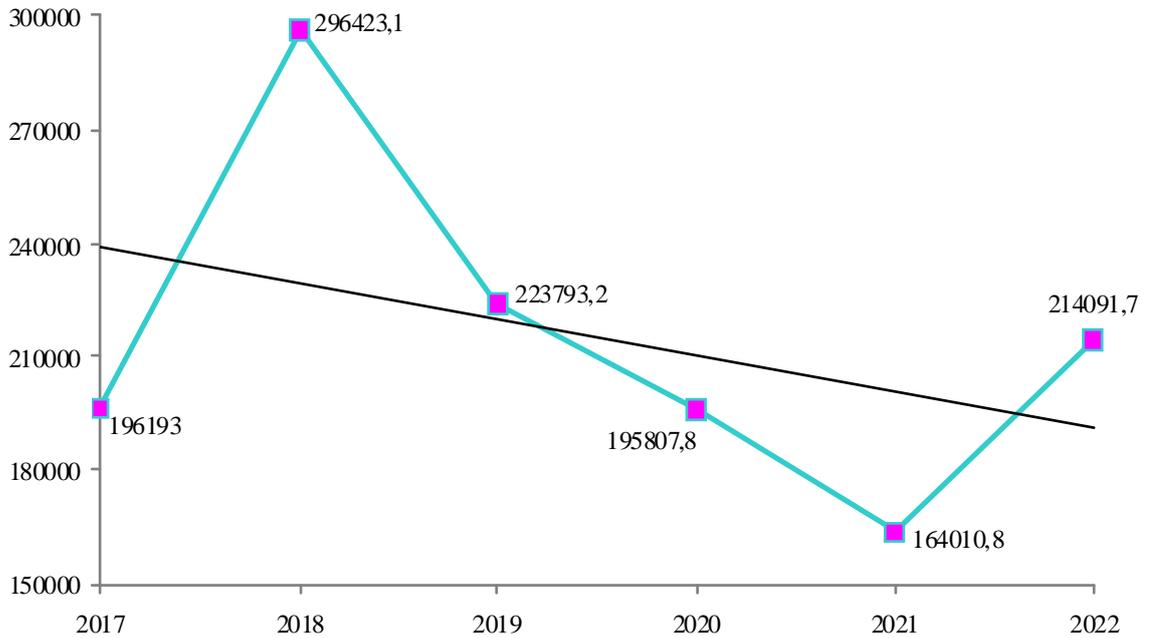
[5].

[5].

2016 2020 . 10

[6].





1. ( [11, 12] ) 2017–2022 . . . . .

1 , 2018 . 2021 .

2022 . , 2022 .

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27,5 , -

« »

—59,3 , 16 . [10]. 2022 54 -

2020 . 10 % , 2022 14 % ( .2).

2021 ( 2,73 %), 1 % 2022 .

2.

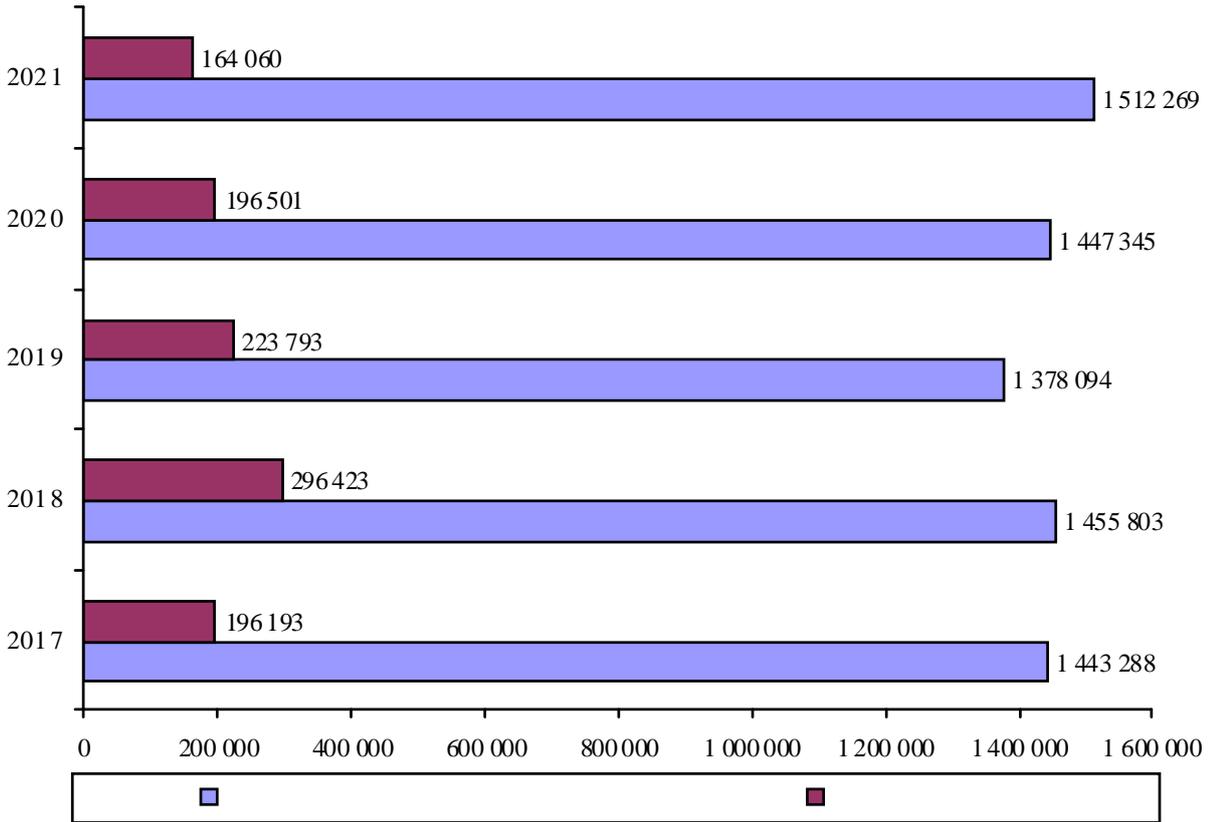
2020–2022 . . . \*

	2020	2021	2022	„ . . . , % , 2021/2020	„ . . . , % , 2021/2020	„ . . . , % , 2022/2021	„ . . . , % , 2022/2021
— , . . .	1447345	1512269	1805887	64924	104,49	293618	119,42
	196501	164060	214092	-32441	83,49	50032	130,5
· , %	13,58	10,85	11,86				

\* [13]

2021 . . . . . 2020 . ( — 104,49  
 %) 293618 . . . . . 2022 . . . . . 2021 . ( — 119,42 %).  
 2022 50032 . . . . . 2021 . 32441 . . . . . 16,51%. 2021-  
 30,5%.  
 24,77% , 8,95%

2021 . . . . . 2017

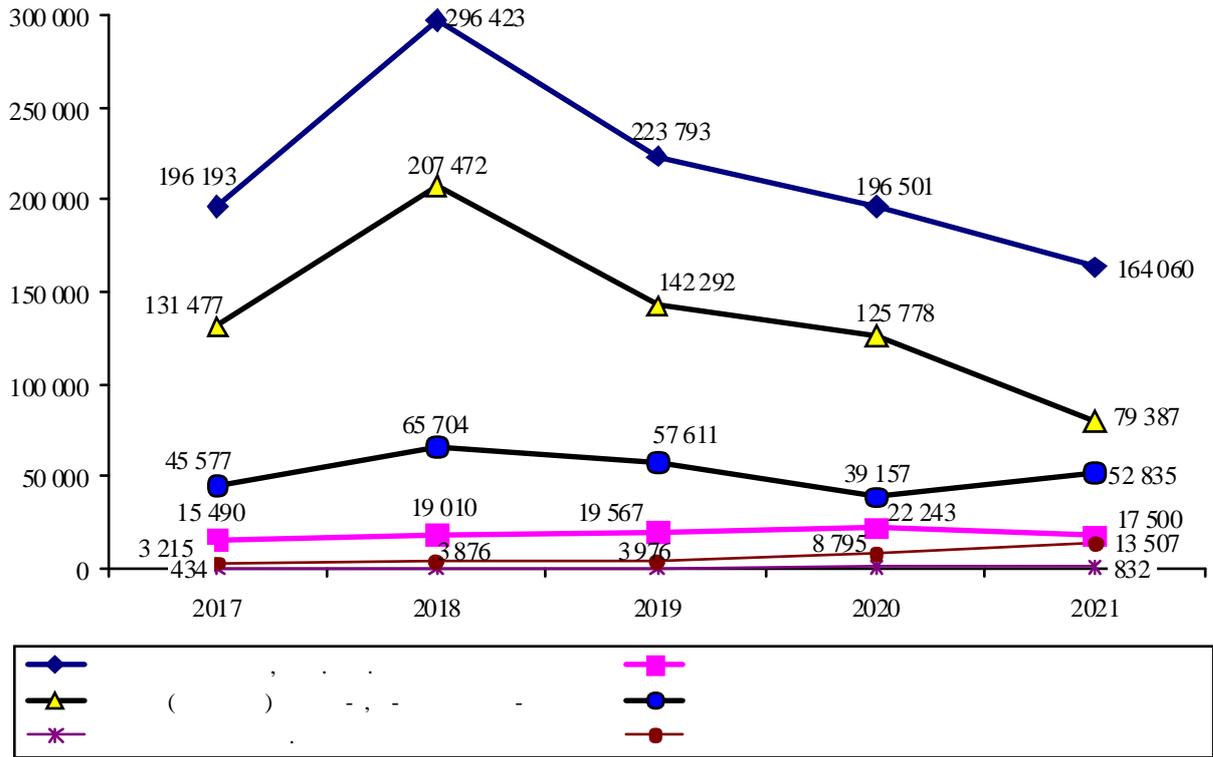


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2021 . . . . . (14)  
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 2017–2018 .— 2019–2021 .

3.

2017–2020 . . . . . 2018 . . . . .  
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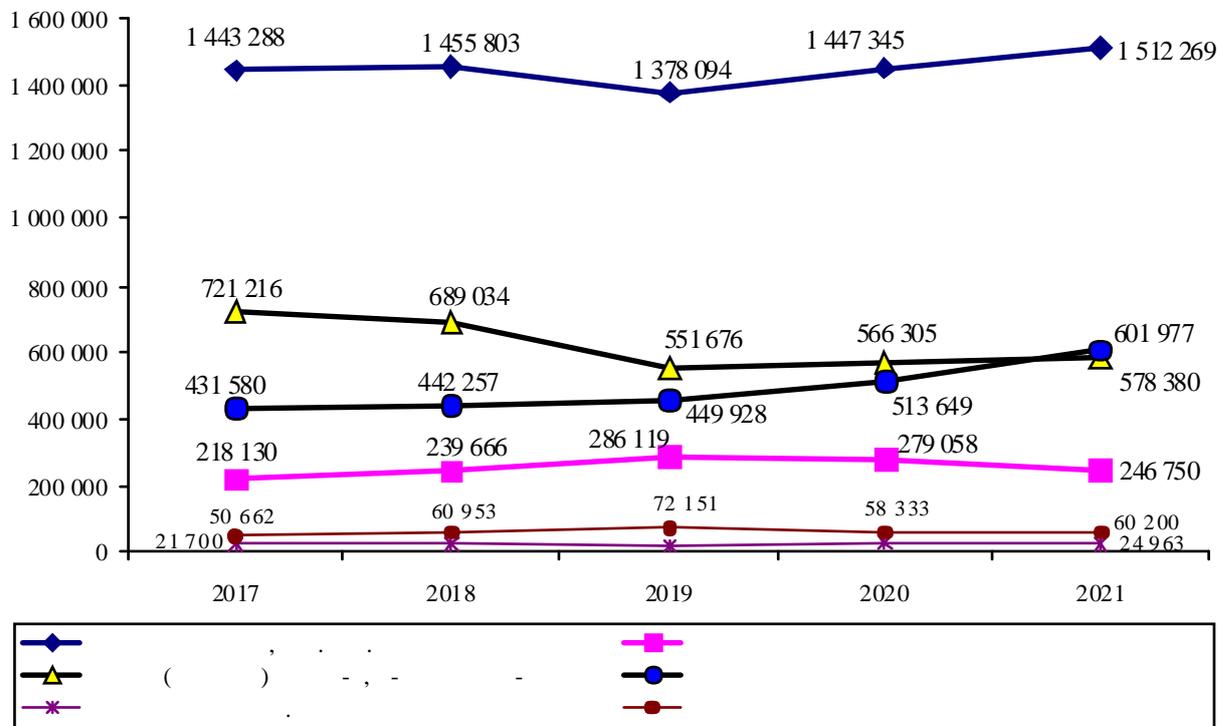


3.

2017–2021 ..

% ( [14])

4.



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2017–2021 .., % (

[14])

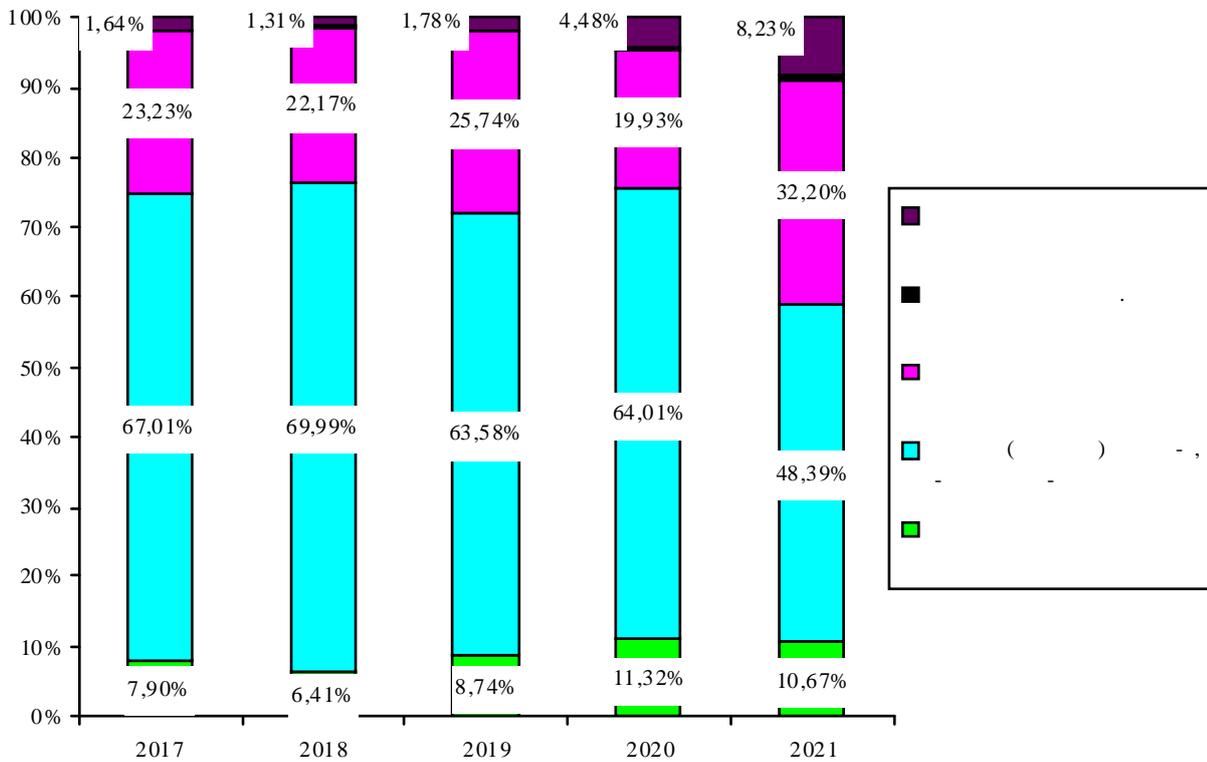
2017–2018 .

2019–2021 .

2017–2018

5,

- 1) (
  - 2) ( 48–70 %);
  - 3) ( 19–33 %);
  - 4) 12 % ;
- 0,5 %.



.5.

2017–2021 .,

% ( [10])

, 2017–2021 .

2022

— 14,3 %, — 6,1 % [15].

51 %, — 8,4 %,

— 5 %, — 15,2 %,

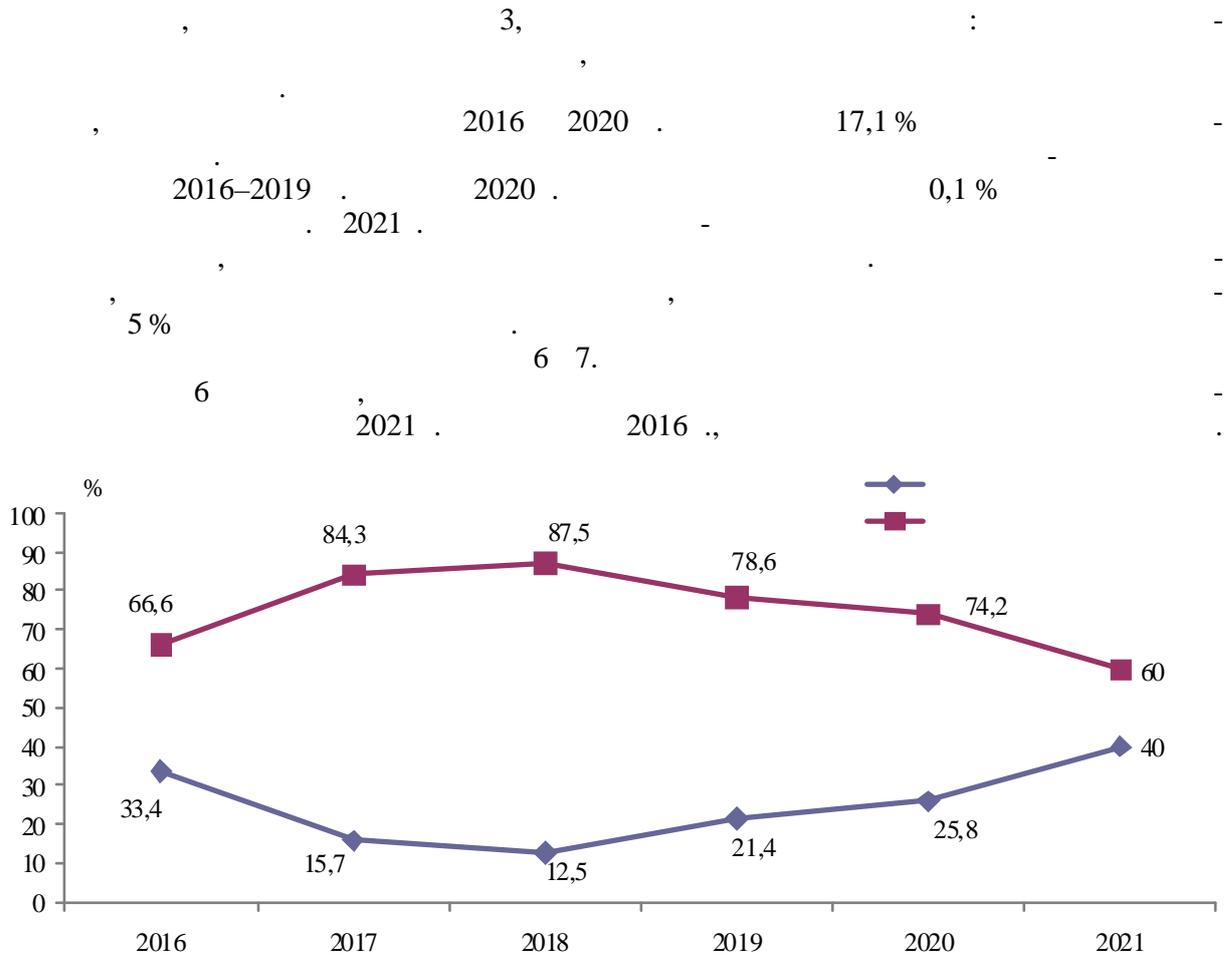
( .3).

3.

,% \*

	2016	2017	2018	2019	2020	2021
	33,4	15,7	12,5	21,4	27,4	40
	66,6	84,3	87,5	78,6	72,6	60
:						
	1,8	1,6	17,1	2,1	2,8	4,5
-	0	0	0	0	0,1	1
	0,9	1	3,1	1,3	1,6	0,7
	57,4	78,6	65,4	73	64,9	53,2
	35,5	72	61,3	65,9	55,4	40
	17,6	5,2	3,4	6,2	8,4	11,9
	4,3	1,4	0,7	0,9	1,1	1,3
	1,7	0,3	0,3	0,3	0,3	0,3
,	2,9	2	1,1	1,4	1,9	—
	1,9	0,8	0,5	0,5	1,0	1,3

\* [10, 16]



6.

2016–2021 . (

[11, 16])



2020–2022 .[18]

- 1)
- 2)
- 3)
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- 8)
- 9)

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258

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[19].

- 1. 2017–2022 .
- : 2017–2018 .

2019–2021 .  
Covid 19. 2022 .

2022 .

- 2.

10–15 %

( 51,15 % 2021 . 69,99 2018 . ),

( 21,72 35,61 % ),

12 %

- 3.

2017–2020 .

( 35,5 % 2016 . 72 % 2017 . ),

115

- 18 %, ( 0,7 4,3 %).
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- 4.
- [10]. ,24 54 2022 —
1. . . // : , , .—2022.— 2.— .97–104. /
2. . . // : , , .—2022.— 2.— .97–104. -
3. . . [ ] // : esj.today/PDF/86ECVN219.pdf ( )
4. . . [ ] // .—2020.— 6. / . . . [ ] // : naukaru.ru/ru/nauka/article/33504/view#article-info ( : 12.05.2023).
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17. // : [ ]. — : www.rbc.ru/economics/16/03/2023/6410482c9a79477af92e9486 ( : 12.05.2023).
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**DEVELOPMENT OF ORGANIZATIONAL AND ECONOMIC MECHANISM OF  
 STRATEGIC PLANNING FOR THE DEVELOPMENT OF PRODUCTION  
 ENTREPRENEURIAL STRUCTURES**



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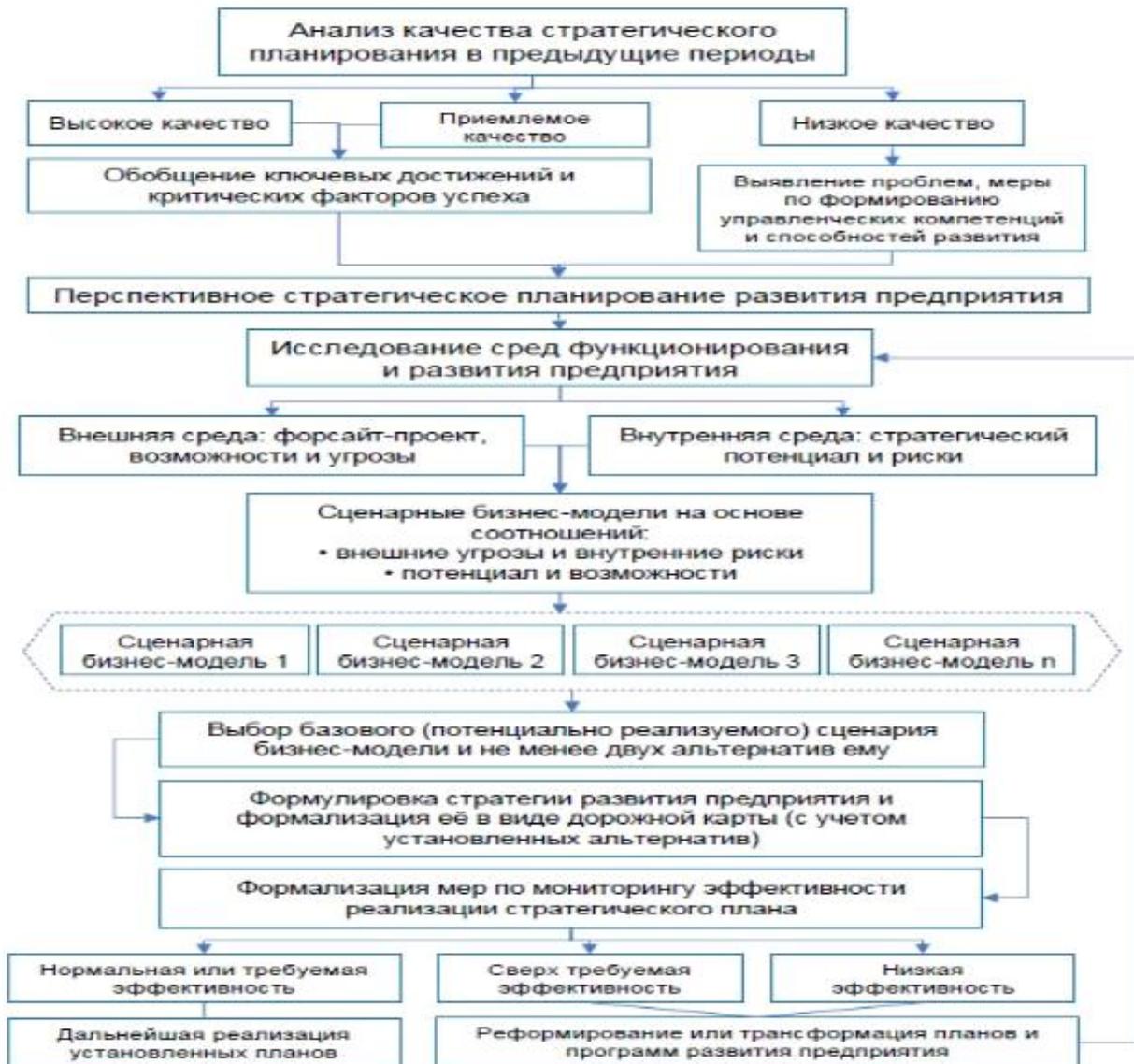
(рис. 1).



.1.

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( .2).



.2.



$$P_s = \frac{CNS}{ASS}, \quad (3)$$

$$P_s = \frac{CNS}{ASS}$$

$$P_o = \frac{PV}{DP}, \quad (4)$$

$$P_o = \frac{PV}{DP}$$

$$P_m = \frac{IC}{RC}, \quad (5)$$

$$P_m = \frac{IC}{RC}$$

$$P_i = \frac{ITR}{NU}, \quad (6)$$

$$P_i = \frac{ITR}{NU}$$

( .1).

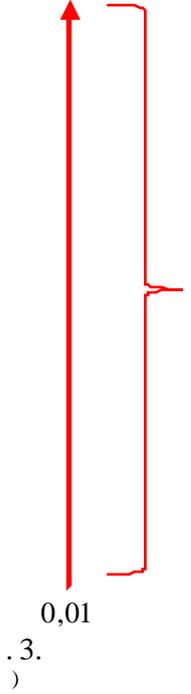
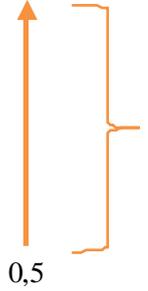
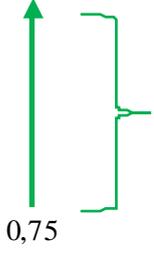
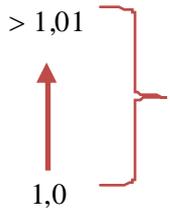
1.

\*

(LP <sub>i</sub> )	(WL <sub>i</sub> )
	0,25
	0,25
	0,25
	0,125
	0,125
$\sum SP = LP_i \times WL_i$	

\*

( .3).



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### **ADAPTIVE SCENARIOS OF DEVELOPMENT OF INTERNATIONAL SCIENTIFIC AND TECHNOLOGICAL COOPERATION OF RUSSIA**

The adaptive scenario approach, which allows performing flexible management by the international scientific and technical cooperation (ISTC) of Russia, is elaborated in the article. The basis of this approach form the proposed structural model of regulating ISTC of Russia, the created block-schemes and adaptive scenarios of development of ISTC of Russia, which bind together changes of key parameters as triggers, measures of regulating / reacting on them, also possibilities of improving parameters of innovative development of Russia. The practical result of implementing this approach is the matrix structure of adopting priorities of governmental support of ISTC of Russia from the point of view of the instruments of innovative development, which allows improving parameters of innovative development of Russia by means of correcting a structure of an initial state program financing.

*Keywords:* ISTC of Russia, scenario approach, triggers, parameters, regulating, innovative development.

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Tiberius V., Siglow C., Sendra-Garcia  
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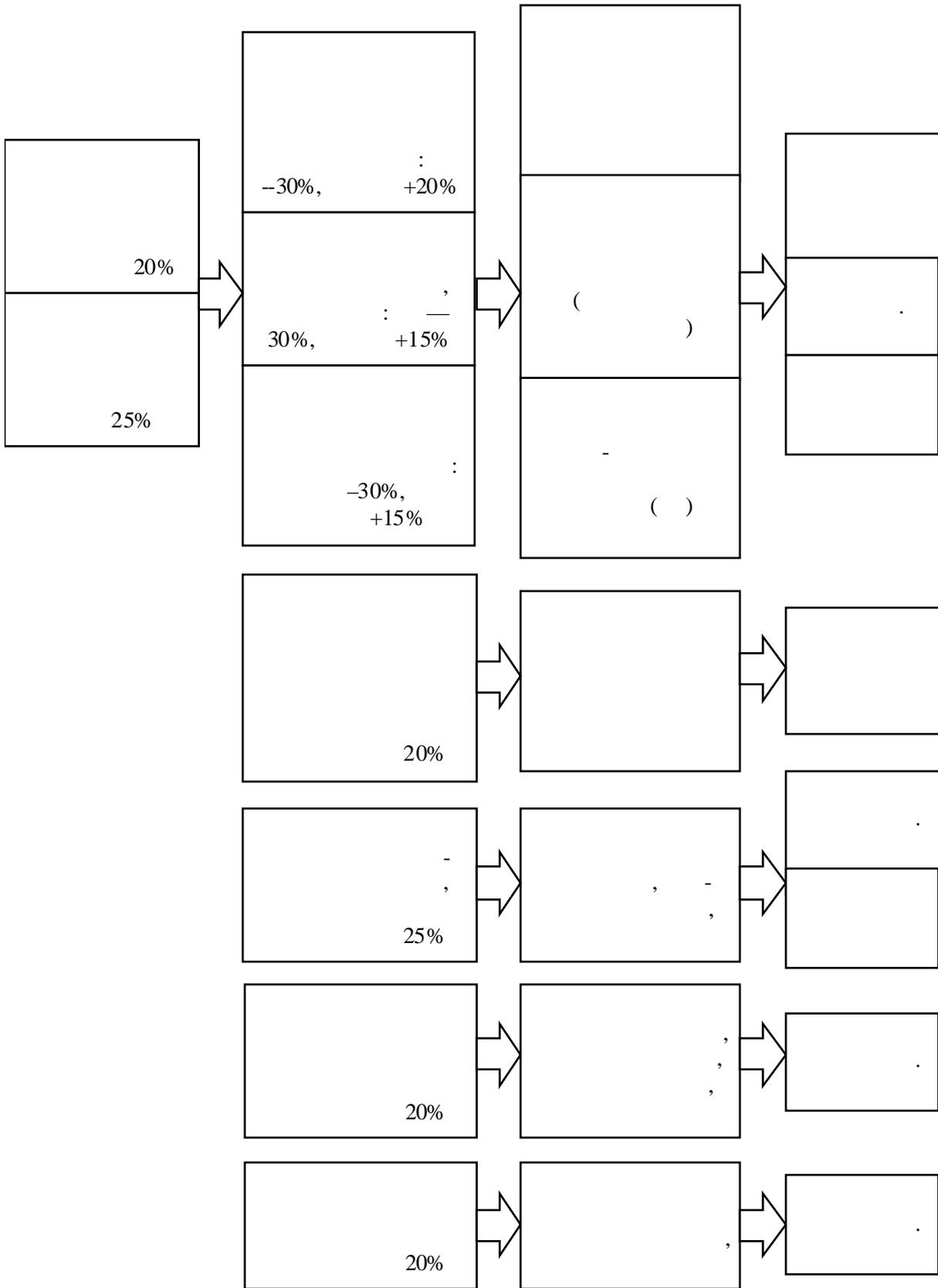
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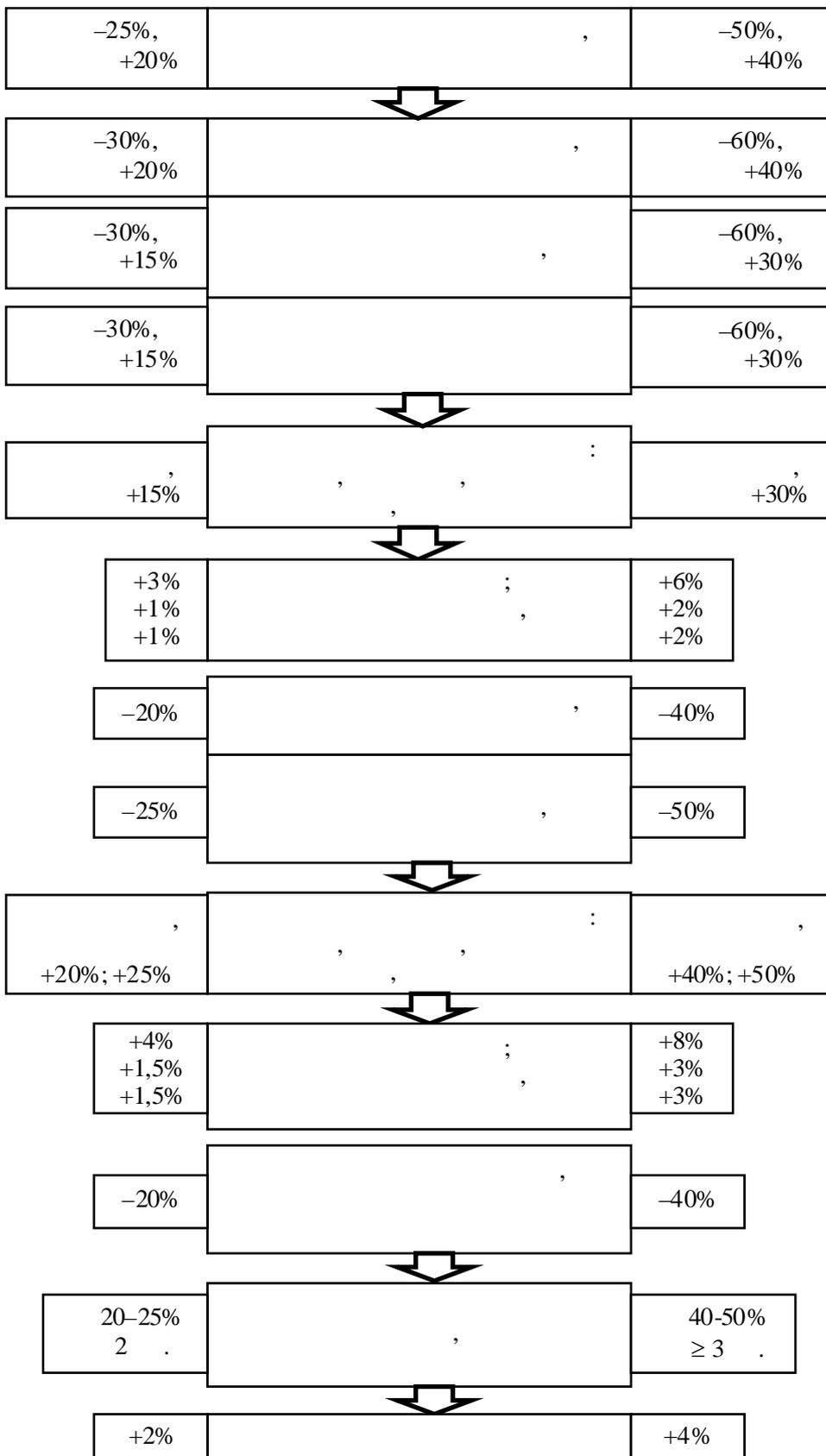


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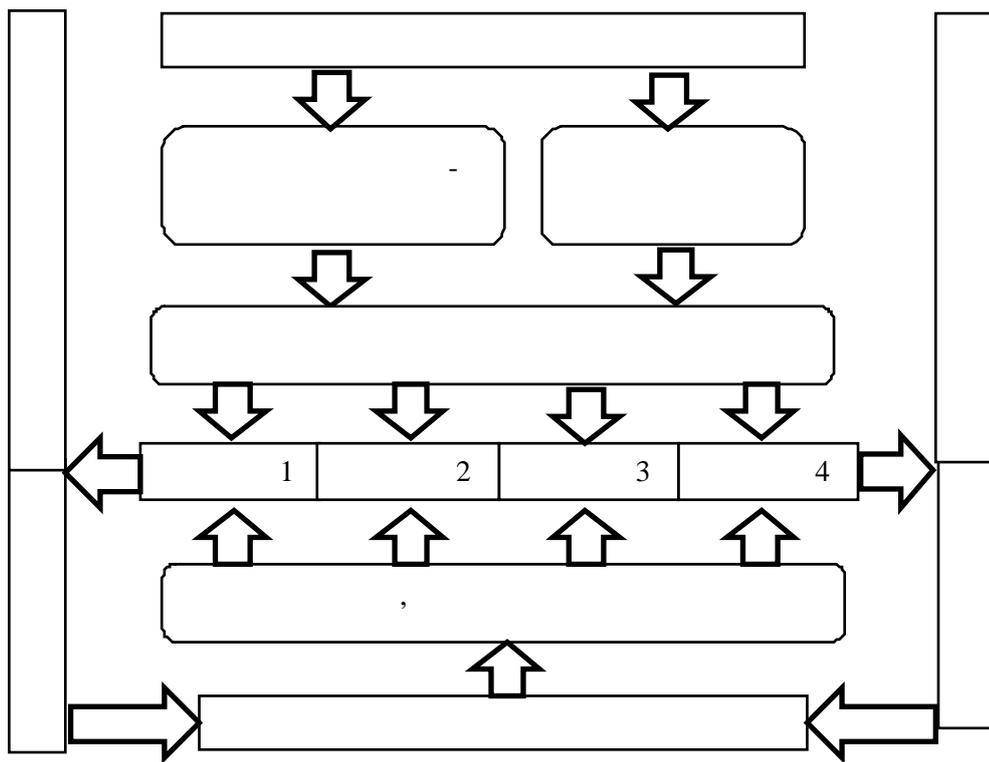
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**ON THE ASSESSMENT OF THE IMPACT OF THE LEVEL OF CORRUPTION  
ON SOCIAL AND ECONOMIC PROCESSES**



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2013	28	5,5	28	15,5	11325,9	351,675	0,802	6,45	105674	68
2014	27	5,2	40,2	16,3	12669,5	340,075	0,807	11,36	71418	71
2015	29	5,6	40,3	19,6	13787,8	312,675	0,809	12,9	69841	70
2016	29	5,5	39,9	19,5	14482,4	314,525	0,815	5,4	67191	73

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	Y	X1	X2	X3	X4	X5	X6	X7	X8	X9
Y	1									
X1	0,6351	1								
X2	0,2859	-0,2740	1							
X3	0,6392	0,0114	0,7087	1						
X4	0,4040	-0,6248	0,5688	0,2483	1					
X5	-0,5558	-0,0606	-0,7781	-0,9724	-0,3444	1				
X6	0,6388	-0,5151	0,7065	0,5022	0,9372	-0,5969	1			
X7	-0,1946	0,3374	0,0386	-0,3258	-0,3680	0,2929	-0,5146	1		
X8	-0,3418	0,2994	-0,9453	-0,7735	-0,6249	0,8511	-0,8147	0,2872	1	
X9	0,6543	-0,4970	0,5958	0,3167	0,9425	-0,4485	0,9633	-0,4752	-0,7133	1

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r ( 1, 6) =	-0,5151		
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r ( 1, 8) =	0,2994		
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r ( 2, 3) =	0,7087		
r ( 2, 4) =	0,5688		
r ( 2, 5) =	-0,7781		
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r ( 2, 8) =	-0,9453		
r ( 2, 9) =	0,5958		
r ( 3, 4) =	0,2483		
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r ( 4, 6) =	0,9372		
r ( 4, 7) =	-0,3680		
r ( 4, 8) =	-0,6249		
r ( 4, 9) =	0,9425		
r ( 5, 6) =	-0,5969		
r ( 5, 7) =	0,2929		
r ( 5, 8) =	0,8511		
r ( 5, 9) =	-0,4485		
r ( 6, 7) =	-0,5146		
r ( 6, 8) =	-0,8147		
r ( 6, 9) =	0,9633		
r ( 7, 8) =	0,2872		
r ( 7, 9) =	-0,4752		
r ( 8, 9) =	-0,7133		

\*





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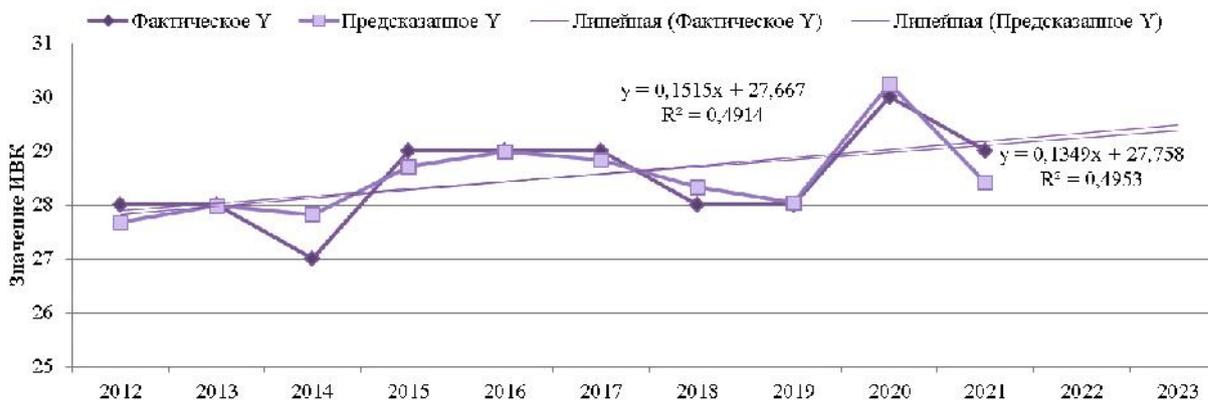
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	Y	Y		i-
1	28	27,670	0,330	1,167
2	28	27,982	0,018	0,055
3	27	27,819	-0,819	3,055
4	29	28,703	0,297	0,991
5	29	28,987	0,013	0,012
6	29	28,826	0,174	0,563
7	28	28,327	-0,327	1,207
8	28	28,038	-0,038	0,178
9	30	30,240	-0,240	0,820
10	29	28,408	0,592	2,014
			1,0063	

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	-2020	-2020	%
	88	0,94	5,64
	88	0,931	4,59
	85	0,938	4,10
	85	0,938	7,76
	85	0,945	8,29
	85	0,955	4,82
	84	0,957	4,42
	82	0,944	3,82
	80	0,916	6,77
	77	0,944	6,46
	76	0,922	5,36
	77	0,949	5,83
	77	0,929	9,46
	71	0,89	3,19
	67	0,926	8,05
	77	0,932	4,47
	76	0,931	5,55
	74	0,919	2,80
	72	0,955	5,62
	71	0,817	10,35
	25	0,783	12,17
	25	0,744	13,30
	24	0,571	5,35
	22	0,66	6,08
	21	0,398	1,74
	21	0,459	7,86
	21	0,554	9,22
	21	0,594	0,33
	21	0,674	14,09
	19	0,511	11,71
	19	0,433	1,71
	19	0,48	6,74
	19	0,715	4,95
	18	0,51	15,45
	17	0,724	20,07
	16	0,592	9,90
	16	0,51	19,65
	15	0,711	6,63
	15	0,47	13,39
	14	0,567	10,26

\* [24]

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65.011(045); 334.021(045)

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**BUSINESS DEVELOPMENT IN A DIGITAL ECOSYSTEM:  
OPPORTUNITIES, RISKS AND MANAGEMENT**

The active phase of the digitalization of society has necessitated a deep analysis of the competitive conditions for business development in the new digital realities. The article examined the conceptual components of the digital ecosystem. Its definition has been clarified. It is proposed to understand the digital ecosystem in business as an open adaptive socio-technical system that brings together consumers, businesses and other actors that use digital technologies and platforms for interaction, and is characterized

by self-organization and sustainability. Based on the methods of analysis and synthesis, the key competitive advantages of business development within the digital ecosystem were identified in the article. These are the following: lower production costs; entering new market segments, industries, cross-sectoral interaction; the expansion of the customer base; differentiation of products, services, business activities; brand enhancement and others. The potential risks of entrepreneurship development in the digital ecosystem were analyzed. These are the following: interdependence with industry competitors, the presence of monopolized structures in the market; cyber threats, insufficient level of information and computer literacy to ensure business security; financial risks; risks of coordination and settlement of disputes between partners of the digital ecosystem and others. The tools for managing the digital ecosystem in business were presented and researched. These are such tools as project management, technical characteristics of the platform, software; work with big data; interactions between partners; collaboration and knowledge management tools; tools for resolving disputes, norms and rules that establish the degree of freedom of partners and others.

*Keywords:* digital ecosystem, business, management, digital platform, digital technologies.

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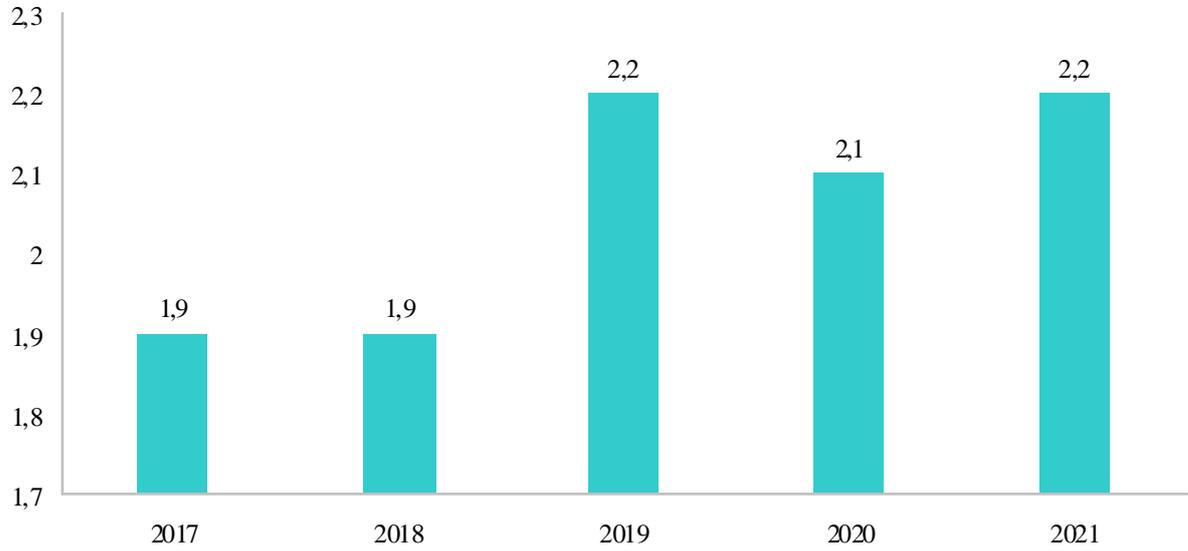
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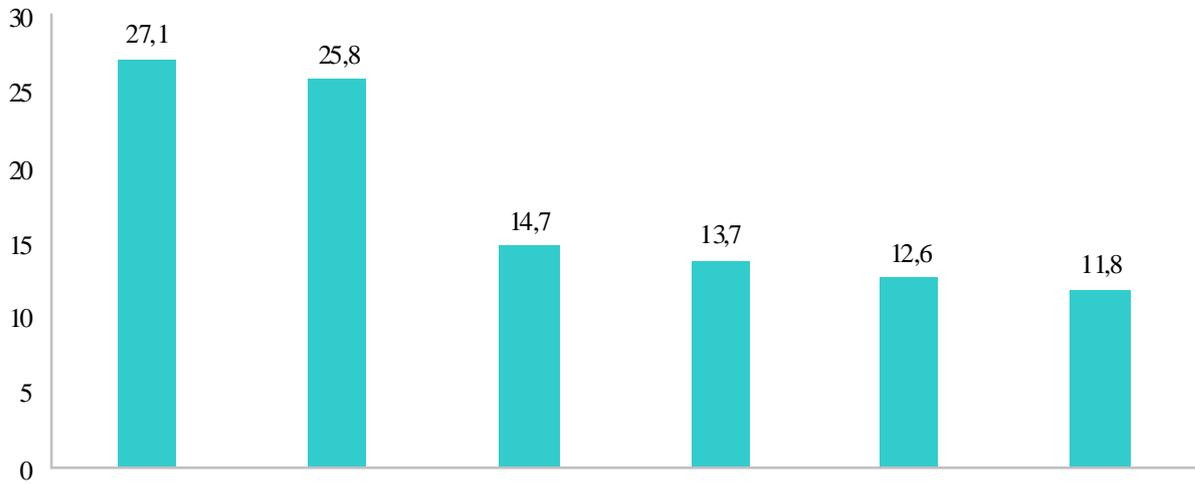
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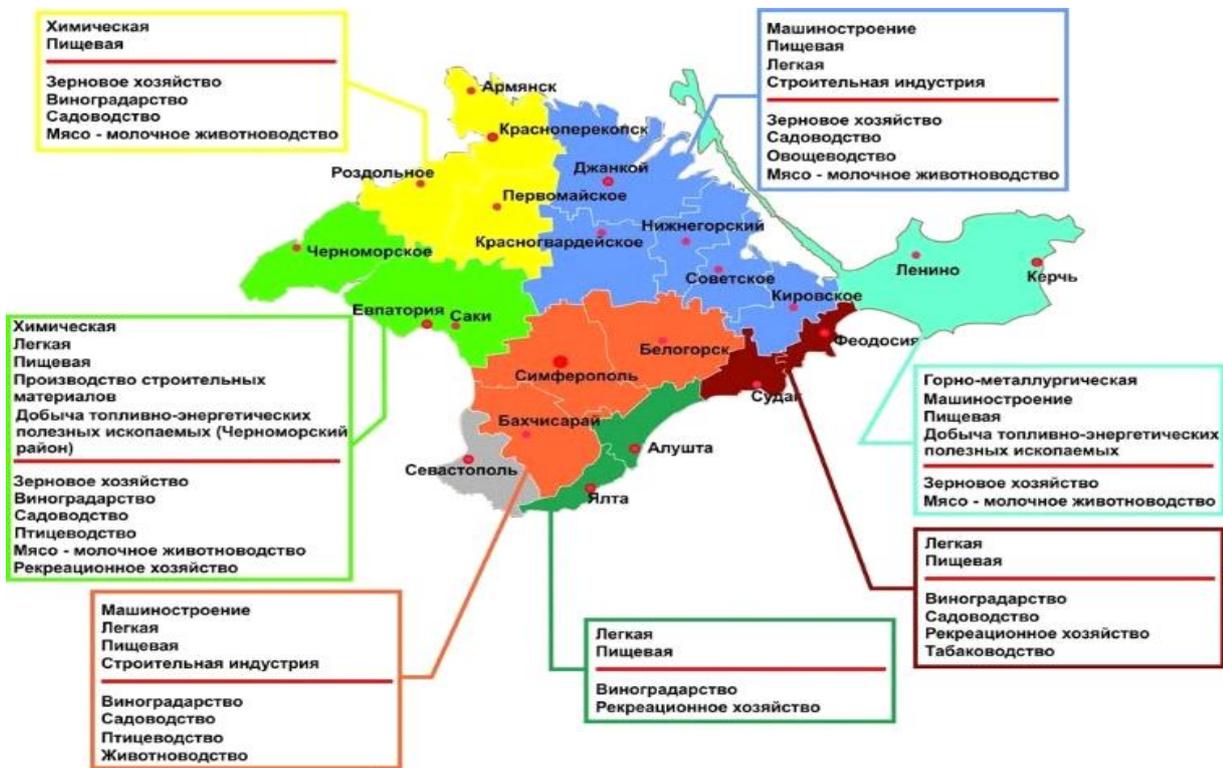
### RATIONALITY OF LABOR COSTS IN THE ECONOMY OF THE REPUBLIC OF CRIMEA

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The article substantiates the need to develop a progressive model of rationality of labor costs of human capital in the economy of the region (on the example of the Republic of Crimea), which is associated with the increasing role of labor resources in the regional economic system on the way to the formation of a model of progressive growth of the labor economy, especially in connection with the increasing negative global political and economic sanctions trends. The authors base the model of progressive growth of the labor economy on the recognized well-known economic axiom of outpacing the growth rate of labor productivity over the growth rate of average wages. At the same time, a scientific review of the development of the economy of the Republic of Crimea in the context of the sectoral structure for a significant time lag, which is based on the characteristic period of sustainable growth of the region's economy: 2016–2020, with the allocation of key criteria of the main models of the transformation process of the labor economy (progressive and degressive). On this basis, the provisions of the analysis that determine the content and significance of labor resources are consistently disclosed. The territorial distribution of the economic potential of the Crimean region is revealed; the dynamics of the gross regional product of the republic in comparison with the Russian Federation; its structure by type of economic activity. The dynamics of the population of the Republic of Crimea is shown in comparison with the dynamics of the number of its labor resources and the average monthly salary, which made it possible to identify trends in labor productivity in industries and activities in the republic. The authors carried out information mapping with the presentation of a visual result of rational (irrational) use of labor resources, and identified industries with the allocation of progressive and degressive models of rationality of labor costs. The course of the formation of rational human potential is emphasized, which necessitates the further formation of a model of progressive growth of the labor economy of the region in other industries and types of economic activity.

*Keywords:* labor economics, labor resources, labor productivity, wages, branches of the economy of the Republic of Crimea, information mapping, rationality of labor costs, progressive and degressive models.

26100 (01.01.2022.). 1019  
 2418,5 (01.01.2022.). 947 25  
 :16 ,56 14 ,11 ( .1).  
 [9].



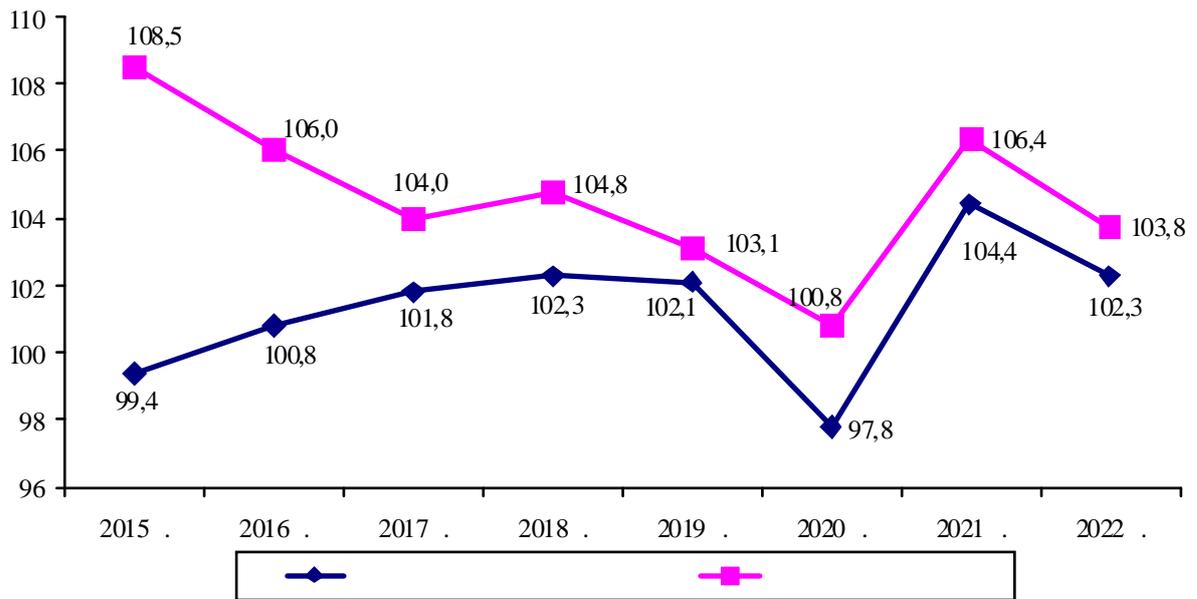
. I.

[8]

( )  
 2014 . 0,2 %- (2014 . —0,3%, 2015 . —0,4%) 0,5 %  
 ( 2015–2022 .).

COVID-19,

100% ( .2).



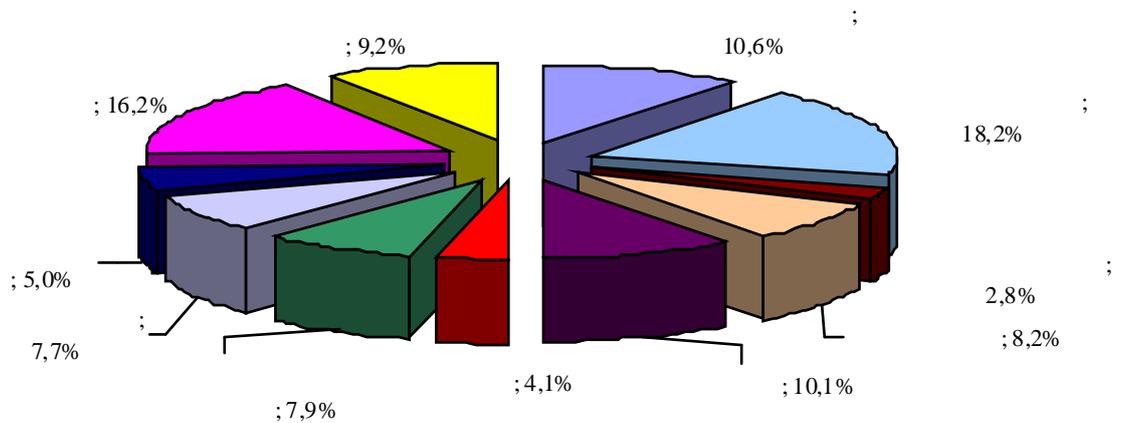
.2. [10] 2015–2022 .(

2,

5-

— 2016 2020 ,

( .3).



.3.

[10]

2016–2020 .  
 — 4,6 ( 3,1% 2016 . 14,4% 2020 .), I «  
 »(2017–2020 .)  
 2030 [9].

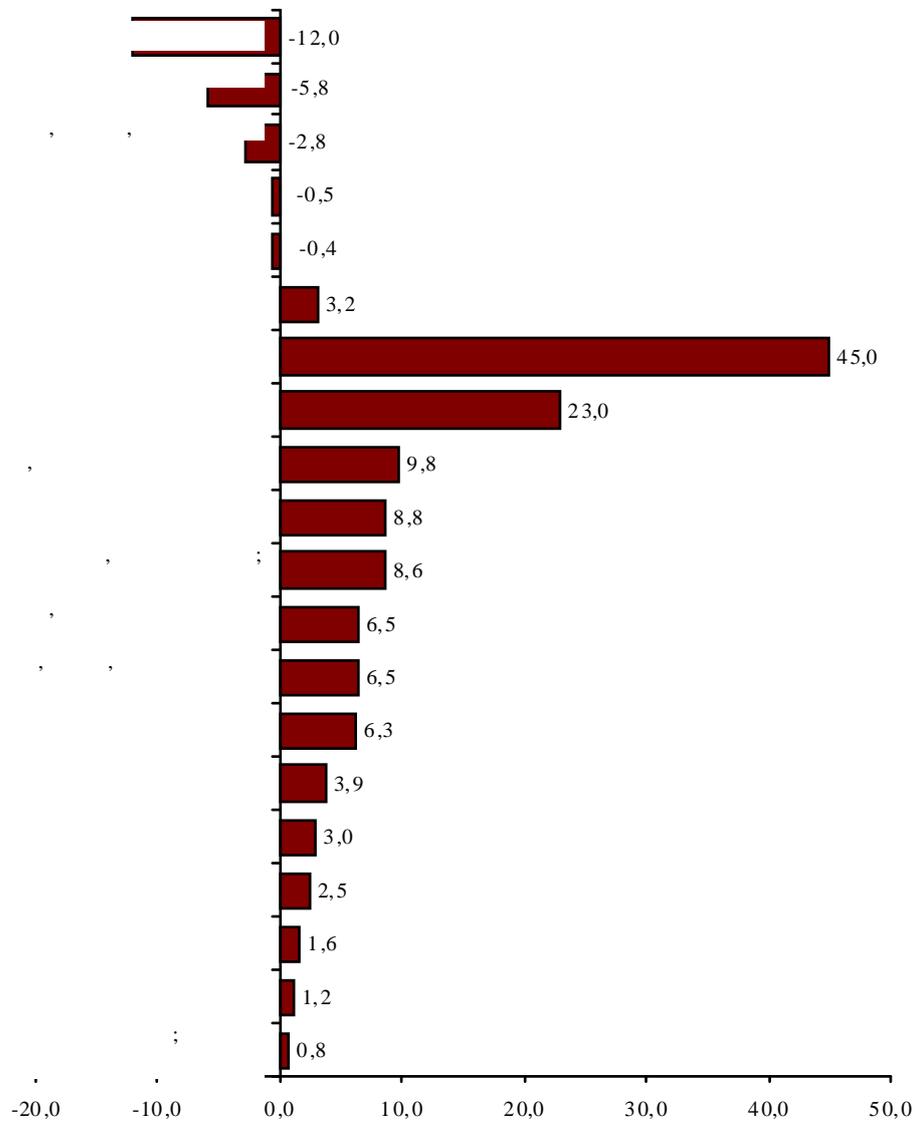
— 1,5 ( 8,9% 2016 . 5,9% 2020 .),

(45%)

(23%),

100%, . .

( .4).



.4.

2017–2020

, % ( 10)

176



.5.

( .1).

1.

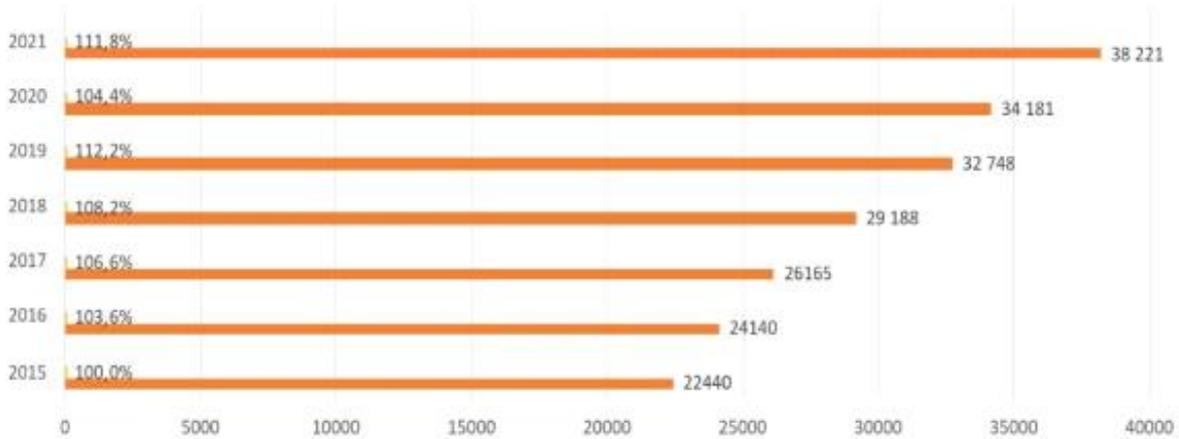
\*

	2017 .	2018 .	2019 .	2020 .	2021 .	2022 .
	1099674	1089155	10972531	1079359	1087911	1096400

\* [10]

2022 . 57- 85- .6, [5-7; 11].

»[11].



Республика Крым по уровню заработной платы находится на 57 месте из 85 российских регионов

.6. 2015–2021 [10]

« »

[11].

2017–2020 .,%) 7. 2016–2020 .(

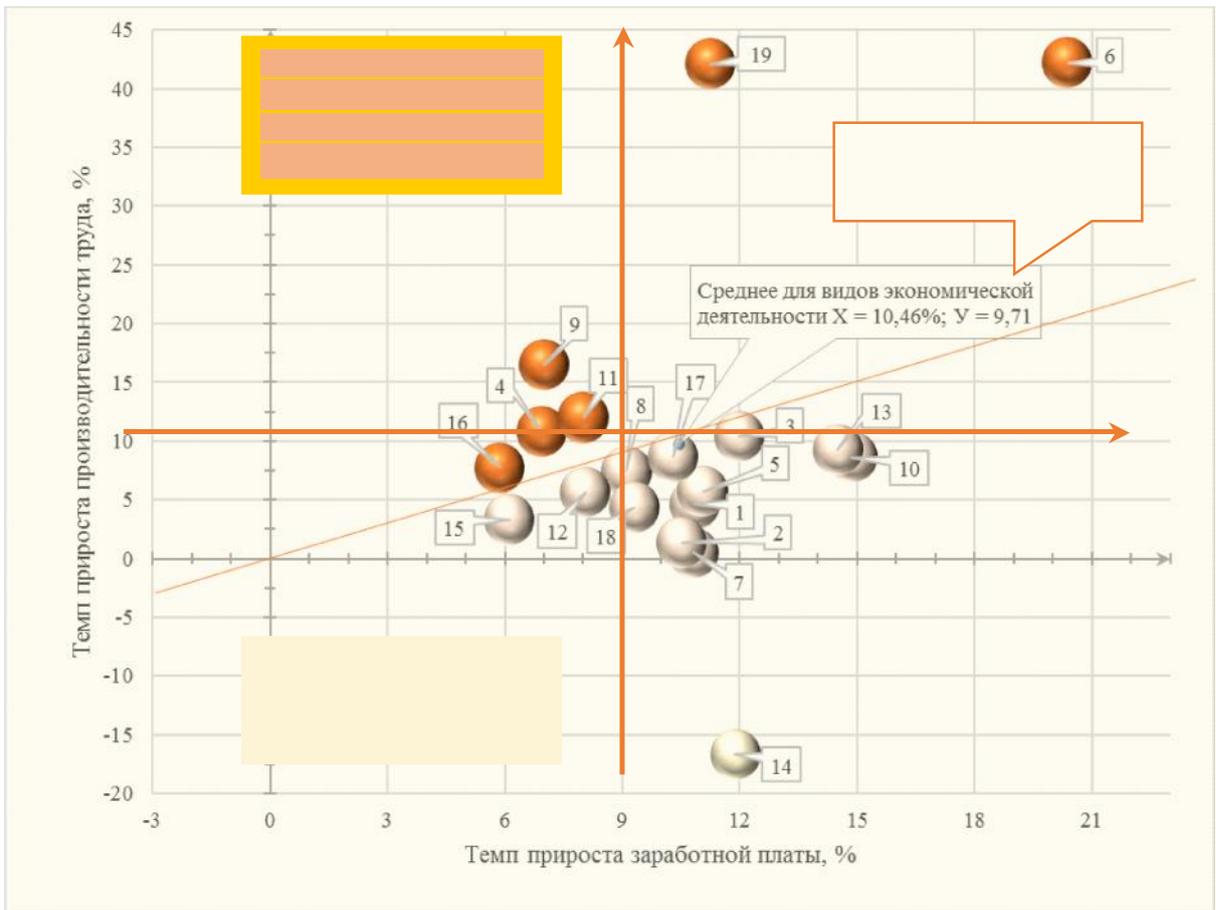
1,5 ( 130% 2020 . = 0,74), 2017 .

( .8).

>1).

( 1,18) ( 1,28).

( 31,9% 2020 . 2017 .),



- |      |      |
|------|------|
| 1 —  | 11 — |
| 2 —  | 12 — |
| 3 —  | 13 — |
| 4 —  | 14 — |
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| 6 —  | 16 — |
| 7 —  | 17 — |
| 8 —  | 18 — |
| 9 —  | 19 — |
| 10 — |      |

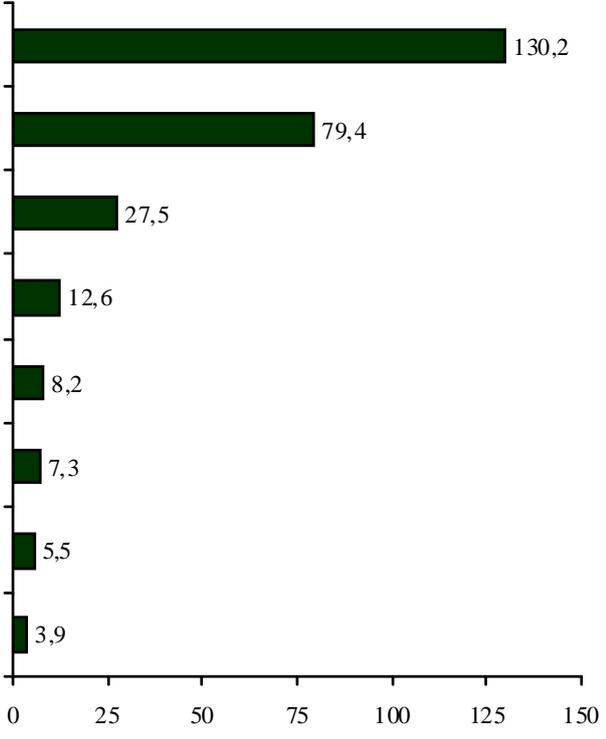
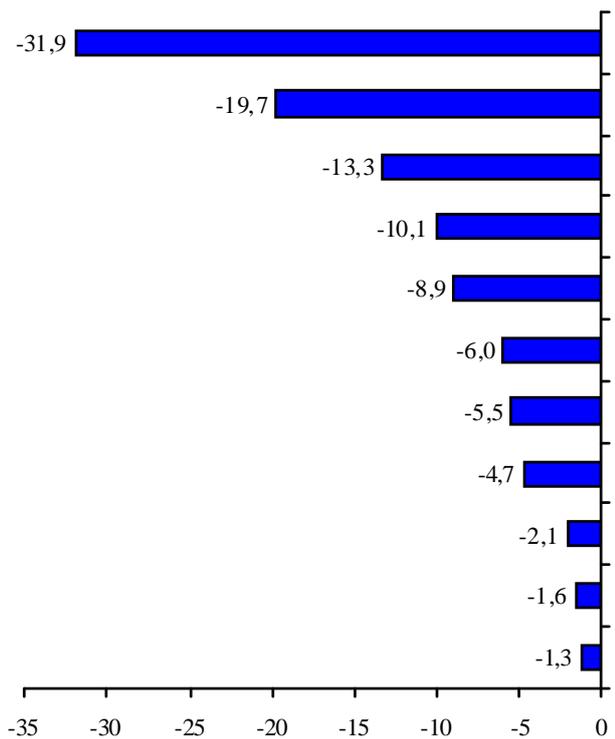
.7.

( [12-14])

( ; 0,98).

« »

[15-17].



8.  
2020 . 2017 ., % ( [10])

( )

( )

( .2).

2.

\*

	С опережающим ростом производительности труда	С опережающим ростом заработной платы			
1				↓	↓
2				↓	↓
3				↓	↓
4				↓	↑
5				↓	↓
6				↑	↑
7				↑	↓
8				↓	↓
9				↓	↑
10				↓	↓
11				↑	↓
12				↑	↓
13				↑	↑
14				↑	↓
15				↑	↓
16				↓	↓
17				↓	↓
18				↑	↓
19				↓	↑

\*

2

1. / . . . . . // : , , . — 2022. — 4(61). — .5–25. — EDNFGOKJL.
2. / . . . . . // : , , . — 2021. — 4(57). — .123–131. — EDN EUVONM.
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8 2023

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**CREATIVE POTENTIAL OF HIGHER EDUCATIONAL INSTITUTIONS OF THE  
REPUBLIC OF CRIMEA**

COVID-19.

2017–2021

Microsoft Power BI.

The relevance of the work is due to the fact that recently the mechanisms of production and consumption of cultural goods and services have been radically changing due to the intense influence of globalization, the emergence of faster communication channels, and the introduction of new information and communication technologies. In the context of convergence of economic, social, cultural and technological changes, the importance of strengthening creativity and opportunities to achieve economic and other benefits is associated with new development strategies. The relationship between science and technology, on the one hand, and society, cultural norms, and social values, on the other hand, becomes an object of study and research, as well as a key direction in the process of higher education. This article presents the dynamics of the creativity index of higher educational

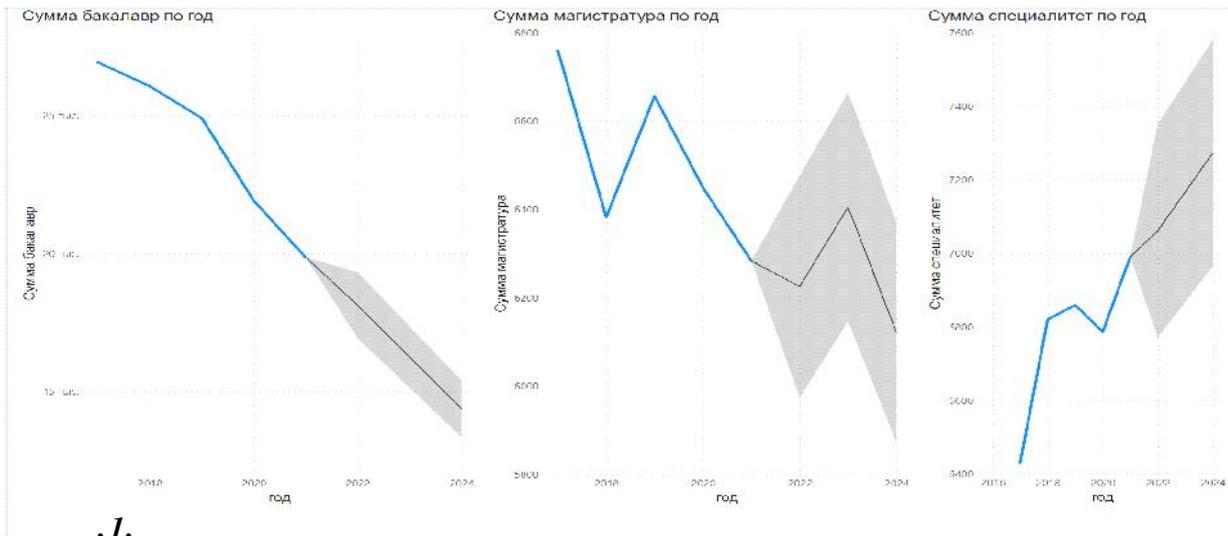
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institutions of the Republic of Crimea for 2017–2021. The indicators were calculated by adapting the existing methods of calculating the creativity index of the region to the sphere of educational organizations. The forecast of changes in the index of creativity of higher educational institutions of the Republic of Crimea was made. The dynamics of the number of students was built on the basis of the Microsoft Power BI platform. The results obtained within the framework of the conducted research allow us to determine the vector of development of the organization of higher education and ways of leveling the identified negative trends.

*Keywords:* higher education, creative economy, economics of education, form of education.

[18].

[20], . . . [1], . . . [8]. [19],  
[3], . . . [2] [5],



.1.

( [7])

2.

2019,

- 2019

COVID 19 ( . 3).

. 2021

( )

2030 [9].

[10].

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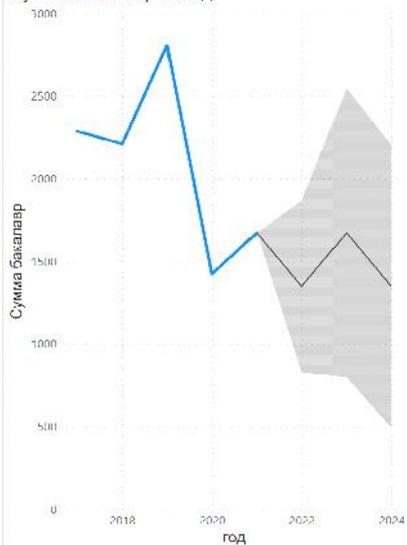
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[11]:

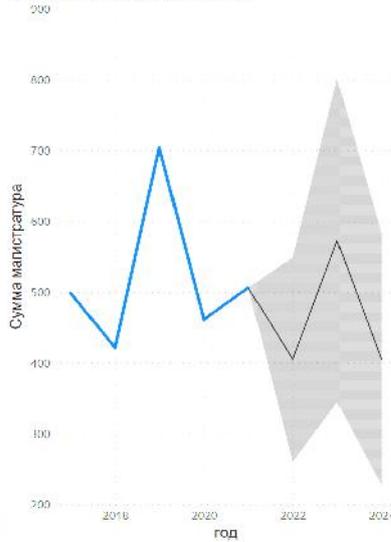
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( . 4).

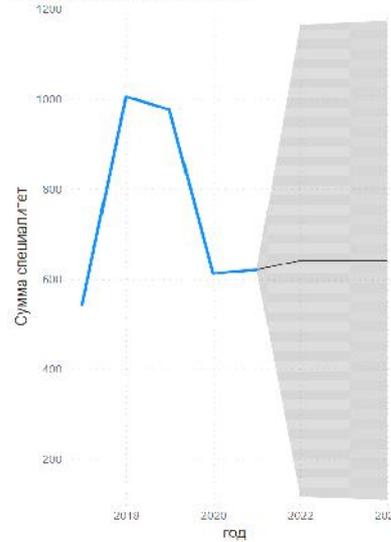
Сумма бакалавр по год



Сумма магистратура по год

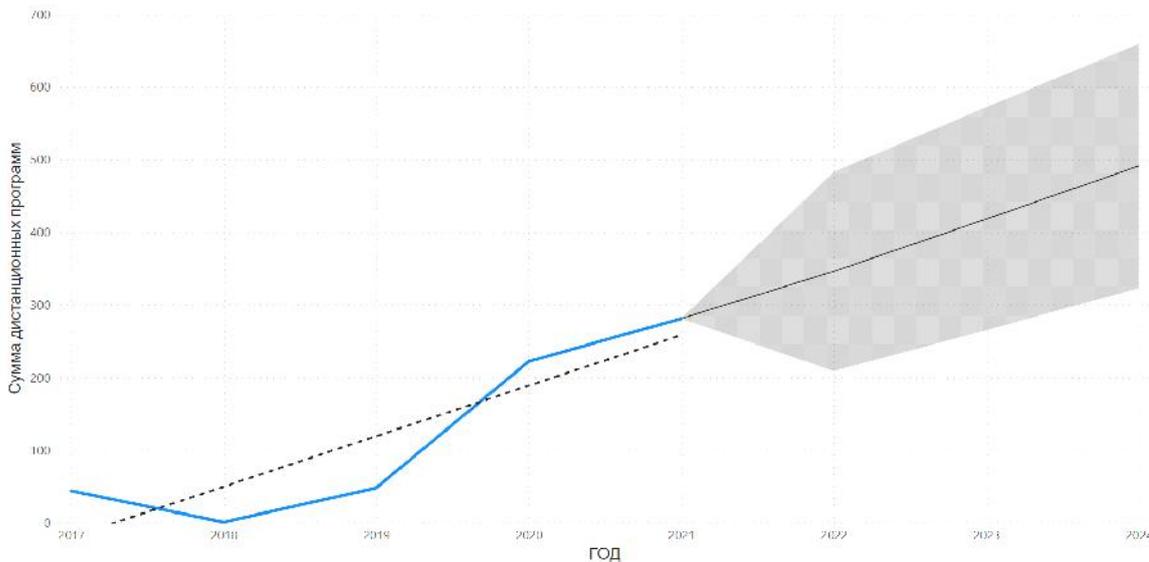


Сумма специалитет по год



.2.

( [7] )



.3.

( [7] )

1.

2.

3.

[11]:  
187



( .1).

*I.*

1	« — , - — , - , ( ) - »	( ) - - - - 2030 [11]
2	« , , , , , , , , , »	UNESCO [12]
3	« — , - , , »	[13]
4	« , , , - - »	DCMS [14]
5	« , , , , , , , , »	[15]
6	« — - , »	[16]
7	« , , ( ). - , , , , , »	[17]

\*

(.5).



.5.

[2]

5

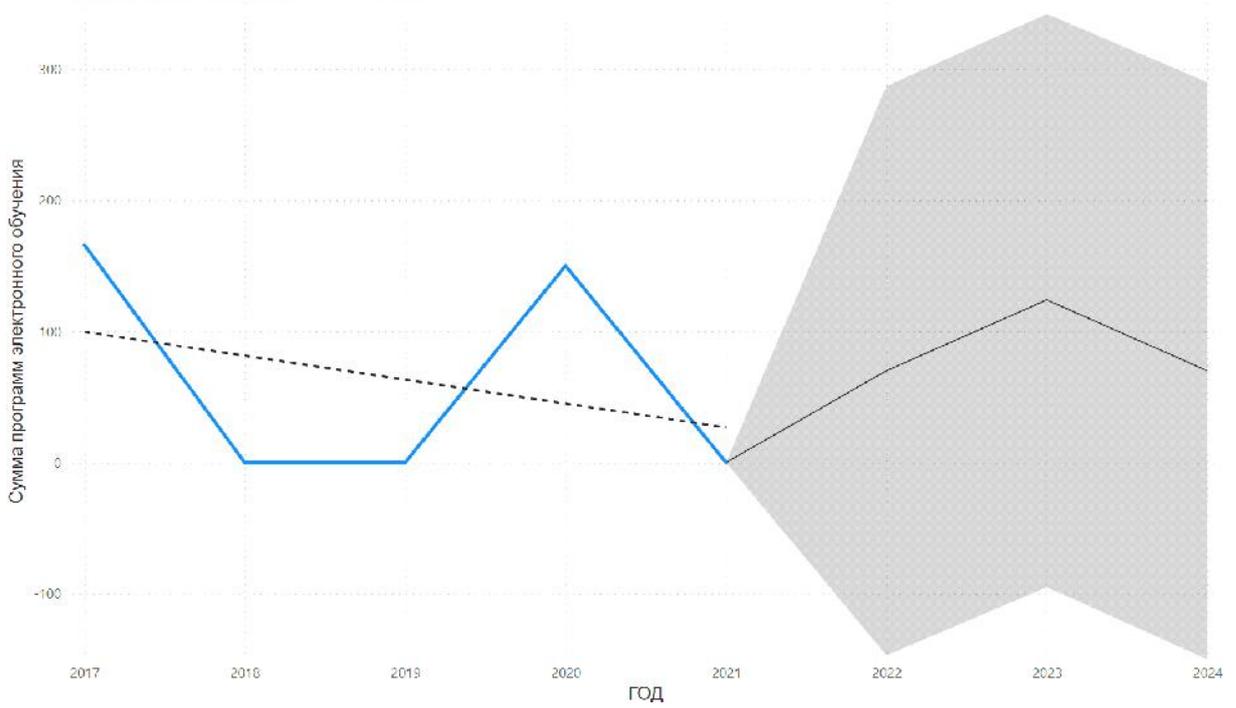
( 6).

6

COVID-

19.

Сумма программ электронного обучения по ГОД



.6.

( [7])

3-

« » [10].

« »

2017 2021 ( .2).

( $I_{edu}$ )

$$I_{edu} = \frac{Edu_i - Edu_{min}}{Edu_{max} - Edu_{min}}, \quad (1)$$

$Edu_i$  —  
 $Edu_{min}, Edu_{max}$  —

2.

\*

2017	6734	5182	1996	1299	524
2018	6527	5152	2057	1326	560
2019	6211	4824	1994	1369	720
2020	5954	4159	2114	1336	719
2021	5938	4746	1806	1238	779

\* [7]

$$I_{\text{edu}} = \frac{0,769 - 0,698}{0,799 - 0,698} = 0,705$$

1000

3.

3.

\*

	2017 .	2018 .	2019 .	2020 .	2021 .
	330	290	304	281	203
	0,33	0,29	0,304	0,281	0,203
	6734	6527	6211	5954	5938
	5182	5152	4824	4159	4746
	0,705	0,901	0,776	0,8	0,98
	53	42	38	35	63
	4855	4864	4528	5673	5735
	0,010917	0,008635	0,008392	0,00617	0,010985
	0,348639	0,399878	0,362797	0,36239	0,397995

\* [7]

(I<sub>sci</sub>)

$$I_{\text{sci}} = \frac{\dots}{\dots}$$

(2)

(.4).

4. \*

	2017 .	2018 .	2019 .	2020 .	2021 .
	0,197	0,195	0,193	0,19	0,191

\* [4]

5.

5. \*

	2017 .	2018 .	2019 .	2020 .	2021 .
	6734	6527	6211	5954	5938
	77	42	44	19	9
	0,011435	0,006435	0,007084	0,003191	0,001516

\* [7]

6.

6. \*

	2017 .	2018 .	2019 .	2020 .	2021 .
	0,3486	0,3999	0,3628	0,3624	0,3980
	0,1970	0,1950	0,1930	0,1900	0,1910
	0,0114	0,0064	0,0071	0,0032	0,0015
	0,1857	0,2004	0,1876	0,1852	0,1968

\*

« »

( .7).

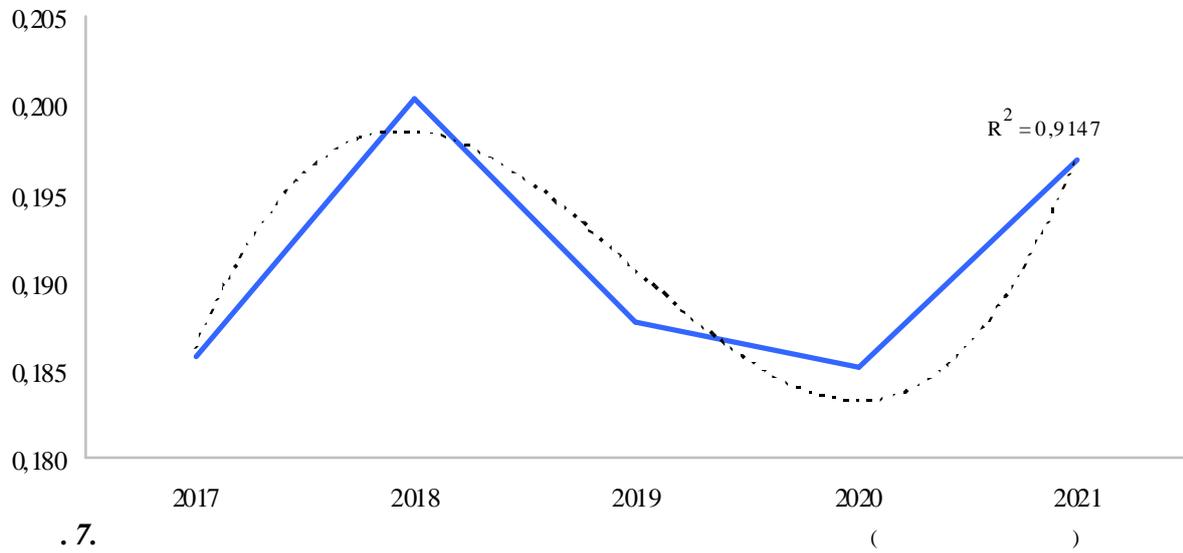
( .7).

2018 , 2019  
2019

7. \*

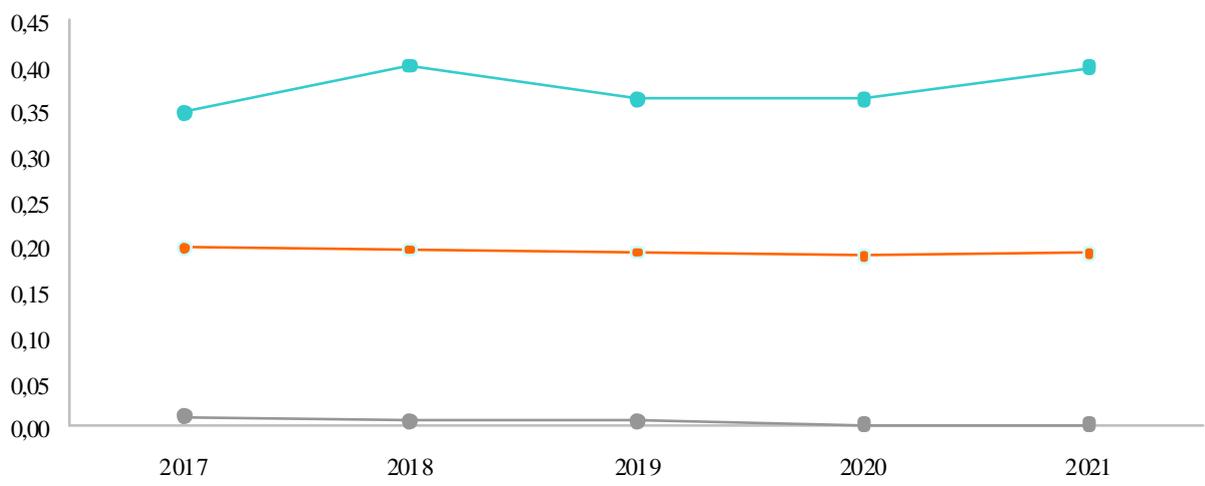
	0,81-1
	0,64-0,8
	0,38-0,63
	0,21-0,37
	0-0,2

\*



COVID 19  
2020 91,47%,  
2021

( .8).



.8.

2020

- 2017, 2021 . COVID-19, 2018-2020
1. / . . . //
  2. — 2013. — 12 (60). — . 104.
  3. « » , 2019. — 195 .
  4. , 27-29 2019 / , 2019. — . 30–35.
  5. [ ] — : crimea.gks.ru/folder/27536 ( : 29.10.2022).
  6. — 100 [ ] — : 100gorodov.ru/creativeindustries?ysclid=19xkzxcjtj498571186 ( : 31.10.2022).
  7. [ ] / : minobrnauki.gov.ru/action/stat/highed/ ( : 10.10.2022).
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