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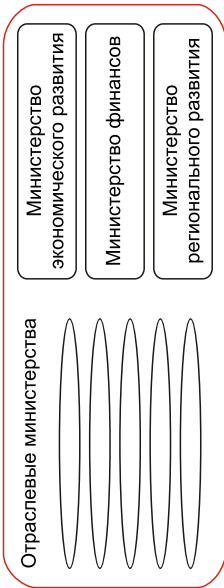


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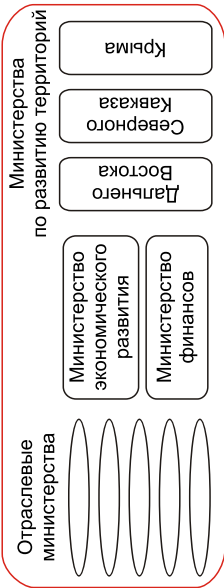


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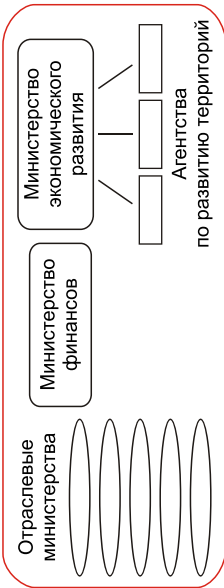


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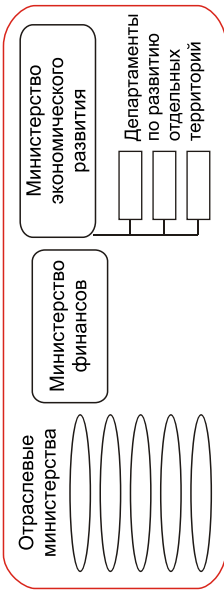


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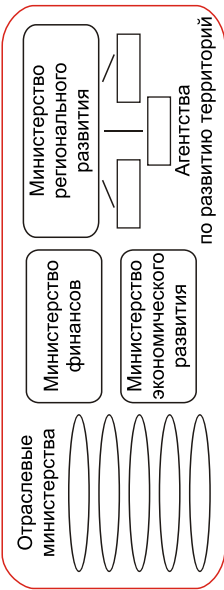
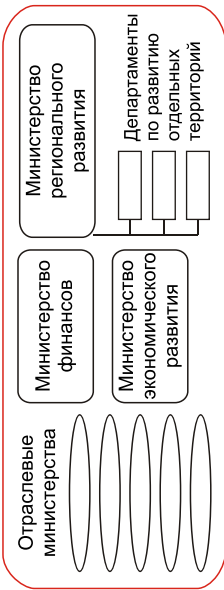


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e-mail: klimanov@ranepa.ru).

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(119571, , . , 82, e-mail:

ivasko-ev@ranepa.ru).

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(125009, , .

., 1/12, . 2, e-mail: amk@irof.ru).

V.V. Klimanov, E.V. Ivasko, A.M. Korotkikh

A PRACTICE OF INTRODUCING THE TERRITORIAL APPROACH TO THE SYSTEM OF PUBLIC ADMINISTRATION IN THE RUSSIAN FEDERATION

The article analyzes the territorial approach in public administration at the federal level. We summarize the work of federal authorities to choose an optimal system for their interaction. Following the best international and Russian practices, we construct functional flow block diagrams that demonstrate the interactions between executive bodies in different regions. The article proves that a methodological foundation for synchronizing the sectoral and territorial approaches to public administration in the Russian Federation has not been formed; among the reasons is the lack of prioritization in the use of mechanisms of sectoral and territorial development scenarios. We consider it expedient to establish specialized regulatory bodies at the federal level that would operate exclusively within the territorial approach. From this perspective, in order to achieve greater performance of federal executive authorities, there is a need to adjust their existing functionality in accordance with the proposed optimal interaction scheme.

Keywords: regional policy; system of public administration; territorial approach in public administration

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Information about the authors

Klimanov, Vladimir Viktorovich (Moscow, Russia) – Doctor of Sciences (Economics), Head of Chair at the School of Public Policy, Russian Presidential Academy of National Economy and Public Administration (82, Vernadsky av., Moscow, 119571, Russia, e-mail: klimanov@ranepa.ru).

Ivasko, Evgeniya Viktorovna (Moscow, Russia) – Postgraduate at the Russian Presidential Academy of National Economy and Public Administration (82, Vernadsky av., Moscow, 119571, Russia, e-mail: ivasko-ev@ranepa.ru).

Korotkikh, Anna Maratovna (Moscow, Russia) – Analyst at the Institute for Public Finance Reform (bld. 2, 1/12, Bolshoy Kislovskiy la., Moscow, 125009, Russia, e-mail: amk@irof.ru).

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 e-mail: vitalytambovtsev@gmail.com).
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 ., 49, e-mail: irozhdestv@gmail.com);
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 (119002, , , 29/16).

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V.L. Tambovtsev, I.A. Rozhdestvenskaya

ADMINISTRATIVE EVALUATION OF REGIONAL AUTHORITIES: ECONOMIC THEORY AND RUSSIA'S EXPERIENCE

The paper analyses the existing Russian systems for the evaluation of regional governments and agencies judging from their compliance with the propositions of economic contract theory. We introduce a notion of administrative evaluation, describe possible goals and consequences of using administrative evaluations in governance processes. Based on the contract theory propositions, we characterize the requirements that, if not followed, may enable administrative evaluation to exert a negative influence on system effectiveness and efficiency. Such negative consequences did take place in other countries that initiated the administrative evaluation system in practices of public administration before Russia. The article defines a list of indicators for administrative evaluation elaborated in accordance with regulatory documents and

determine ways to implement them in governance processes. We demonstrate that these indicators contradict the contract theory propositions and thus cannot give an adequate estimation of regional authorities' performance that might help to enhance it. Our findings can be used to improve methodological support for administrative evaluation carried out in Russian regions.

Keywords: administrative evaluation; region; economic contract theory

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Information about the authors

Tambovtsev, Vitaliy Leonidovich (Moscow, Russia) – Doctor of Sciences (Economics), Professor, Chief Researcher at the Faculty of Economics, Lomonosov Moscow State University (bldg. 46, 1, Leninskie Gory, Moscow, 119991, Russia, e-mail: vitalyambovtsev@gmail.com).

Rozhdestvenskaya, Irina Andreevna (Moscow, Russia) – Doctor of Sciences (Economics), Professor, Professor at the Department for State and Municipal Administration, Financial University affiliated with the Government of the Russian Federation (GSP-3, 49, Leningradsky av., Moscow, 125993, Russia, e-mail: irozhdestv@gmail.com); Head of Department at the Institute for Regional Economic Research (29/16, Sivtsev Vrazhek la., Moscow, 119002, Russia).

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 , 9, e-mail: leksinvn@yandex.ru).
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(117418, , , 47, e-mail:
b_porfiriev@mail.ru).

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V.N. Leksin, B.N. Porfiriev

MEGAPOLISES AND MEGAPOLIS-NESS PHENOMENON IN RUSSIA

The hallmark of the current stage of the world socioeconomic development involves its accelerating growth, as well as an increasing significance of the largest cities with mega-cities (megapolises) coming to the fore. The paper emphasizes the persisting trend of the megapolises' strengthening leadership measured by the concentration of people, infrastructure, transport, services, and primarily regarding the growth rate of their area, which doubles that of the

population. We contemplated specific features of a Russian megapolis as a system that marries characteristics of both megalopolises (integrating a set of urban agglomerations) and large administrative centers. We substantiated the notion of «megapolis-ness» as an assembly of functional, city planning (architectural) and ecosystem features. In contemporary Russia, these are typical not only to million and over dwellers' cities but also to every regional administrative center or capital of the region. The article considers the impact of megapolis-ness phenomenon on the transformation of the existing system of settlement pattern, migration processes, and socioeconomic developments in Russia and evaluates this phenomenon including the role of megalopolises as focal points for national reforms and new social structure. We discuss research trends in topical socioeconomic issues united under the title «Man in the Megapolis».

Keywords: megapolis; megapolis-ness; cities of megapolis-ness type; settlement pattern; migration; economic development; social structure; socioeconomic reforms

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Information about the authors

Leksin, Vladimir Nikolaevich (Moscow, Russia) – Doctor of Sciences (Economics), Professor, Chief Researcher at the Institute for Systems Analysis, Federal Research Center «Computer Science and Control», Russian Academy of Sciences (9, 60-let Oktyabrya av., Moscow, 117312, Russia, e-mail: leksinvn@yandex.ru).

Porfiriev, Boris Nikolaevich (Moscow, Russia) – Full Member of the Russian Academy of Sciences, Deputy Director at the Institute of Economic Forecasting, Russian Academy of Sciences (47, Nakhimovskiy av., Moscow, 117418, Russia, e-mail: b_porfiriev@mail.ru).

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 \end{aligned}$$

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(component score coefficient matrix)	SocFilter	SocFilterIn
	SocFilter	SocFilterIn
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high_ed	0,581	−
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agri_l_n	−0,263	−
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1	2,402 (1,691)	–
1	–	–0,017 (0,098)
1	1,077 (1,625)	–
1	–	–1,341 (1,776)
1	56,118*** (6,191)	–
1	–	5,182*** (1,200)
1	14,462** (4,198)	–
1	–	–15,539*** (3,430)
1	0,000027** (0,000011)	0,00000 (0,0000)
1	147,898*** (20,774)	117,694*** (18,544)
	F(6,79) = 44,49 [0,0000]	F(6,79) = 22,08 [0,0000]
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2	1	–14,556*** (1,644)
	1	2,976** (1,485)
	1	–2,234 (2,124)
	1	40,500*** (5,737)
1	-	–11,579** (3,259)
	1	–4,53 10 ^{–6} (0,0000)
1		–0,048 (0,031)
,	1	0,368*** (0,076)
		127,057*** (17,500)
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R ²		0,0743

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sigmamore: Chi2(8) = 161,75, Prob > chi2 = 0,0000; 2) F-
: F(79,552)=3,60, Prob>F=0,0000; 3)
(xttest3): chi2(80) = 1208,36, Prob > chi2 = 0,0000; 4)
(xtserial): F(1,79) = 12,875, Prob > F = 0,0006.

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–		–0,117 (2,108)
		–18,964*** (4,206)
		0,0001*** (0,00002)
		124,930*** (28,530)
– AR(1) (p-val)		0,000
– AR(2) (p-val)		0,313
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M.A. Kaneva, G.A. Untura

THE RELATIONSHIP BETWEEN R&D, KNOWLEDGE SPILLOVERS AND DYNAMICS OF ECONOMIC GROWTH OF THE RUSSIAN REGIONS

The current study examines interrelations between economic growth in the Russian regions, scientific research, and innovation activities. To analyze the relationship, we used an econometric modeling technique: a fixed effects panel regression and the Arellano–Bond model based on data for the period from 2005 to 2013. In the study, we tested hypotheses about significant effects of knowledge and socioeconomic conditions on regional growth, used expenditure on R&D and expenditure on technological innovations as measures of knowledge spillovers for their analysis, and calculated socioeconomic spillovers based on a socioeconomic filter. Regression results demonstrated a possible competition for labor in the manufacturing sector when this indicator was included in the socioeconomic filter. Our findings also confirmed the significance and positive effect of expenditures on technological innovations and their spillovers on economic growth in regions. Moreover, knowledge spilled more efficiently to regions with greater absorptive capacity, as well as among regions with a similar growth rate. We concluded that knowledge spillovers can have significant influence on the GRP growth rate. The results of the study can be used by regional governments when formulating innovation policies.

Keywords: economic growth; GRP; R&D; region; knowledge spillovers; technological innovations; dynamic modeling

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Information about the authors

Kaneva, Maria Aleksandrovna (Moscow, Russia) – Candidate of Sciences (Economics), Senior Researcher at the Gaidar Institute for Economic Policy (bldg. 1, 3-5, Gazetny la., Moscow, 125993, Russia, e-mail: mkaneva@gmail.com).

Untura, Galina Afanasievna (Novosibirsk, Russia) – Doctor of Sciences (Economics), Chief Researcher at the Institute of Economics and Industrial Engineering, Siberian Branch of the Russian Academy of Sciences (17, Ac. Lavrentiev av., Novosibirsk, 630090, Russia, e-mail: galina.untura@gmail.com); Professor at Novosibirsk National Research State University (2, Pirogova st., Novosibirsk, 630090, Russia).

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$$Y_t^{Id-i} \quad reg_t^{ij}, Y_t^{Id-i}$$

105

$$\begin{aligned}
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 & \quad V_t^G \quad - \\
 & \quad : \\
 & V_t^G = < InG_t^i, G_t^i, WG_t^i, RegG_t^i >, \quad (6) \\
 & InG_t^i - \quad ; G_t^i - \quad \text{«} \quad \text{»}; WG_t^i - \\
 & \quad ; RegG_t^i - \quad - \\
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 & \quad Y_t^G \quad - \\
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 & Y_t^G = < OutGr_t^i, MG_t^i >, \quad (7) \\
 & OutGr_t^i - \quad \text{«} \quad \text{»} \quad ; \\
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Reg_t^j ($j, j = \overline{1;4}$)	-
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$$Reg_t^j = \{ I_t^{pr}, Wg_t, OutGr_t^{ec}, OutGr_t^{soc} \}, \quad (8)$$

$$\begin{aligned} & I_t^{pr} - \\ & ; Wg_t - \\ & ; OutGr_t^{ec} - \\ & ; OutGr_t^{soc} - \end{aligned}$$

$$\begin{aligned} 1. & \quad , \quad Gr_t^s \\ & \quad - \\ & \quad - \\ & \quad : \\ (Y_t^{fi} - Y_t^{Idi}) & \quad \frac{Y_t^{fi}}{Y_t^{Idi}} = \frac{Y_t^{fi+1}}{Y_t^{Idi+1}} \quad (Gr_t^s > 0) \quad Y_t^{Idi} = Y_t^{Idi} + j. \end{aligned} \quad (9)$$

$$\begin{aligned} 2. & \quad , \quad - \\ & \quad - \\ & \quad : \\ \frac{Y_t^{fi}}{Y_t^{Idi}} = \frac{Y_t^{fi+1}}{Y_t^{Idi+1}} & \quad (Gr_t^s > 0) \quad reg_t^{ij} = reg_t^{ij} + j, \frac{Y_t^{fi}}{Y_t^{Idi}} = \min \frac{Y_t^{fi}}{Y_t^{Idi}} \\ & \quad reg_t^{ij} = reg_t^{ij}, \quad \frac{Y_t^{fi}}{Y_t^{Idi}} \min \frac{Y_t^{fi}}{Y_t^{Idi}}. \end{aligned} \quad (10)$$

$$\begin{aligned} 3. & \quad , \quad - \\ & \quad - \\ & \quad : \end{aligned}$$

$$(Y_t^{fi} < Y_t^{Idi}) \quad \frac{Y_t^{fi}}{Y_t^{Idi}} = \frac{Y_t^{fi+1}}{Y_t^{Idi+1}} \quad (Gr_t^s > 0) \quad reg_t^{ij} = reg_t^{ij} + j. \quad (11)$$

4. , -
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$$(Y_t^{fi} \geq Y_t^{Idi}) \quad \frac{Y_t^{fi}}{Y_t^{Idi}} = \frac{Y_t^{fi+1}}{Y_t^{Idi+1}} \quad (Gr_t^s = 0)$$

$$t = t + 1, \quad t < T$$

$$-, \quad t = T. \quad (12)$$

5. , -
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$$\frac{Y_t^{fi}}{Y_t^{Idi}} = \frac{Y_t^{fi+1}}{Y_t^{Idi+1}} \quad (Gr_t^s = 0)$$

$$reg_t^{ij} = reg_t^{ij} - j, \frac{Y_t^{fi}}{Y_t^{Idi}} = \max \frac{Y_t^{fi}}{Y_t^{Idi}}$$

$$reg_t^{ij} = reg_t^{ij} + j, \frac{Y_t^{fi}}{Y_t^{Idi}} = \min \frac{Y_t^{fi}}{Y_t^{Idi}}.$$

$$(13)$$

6. , -
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$$(Y_t^{fi} < Y_t^{Idi}) \quad \frac{Y_t^{fi}}{Y_t^{Idi}} = \frac{Y_t^{fi+1}}{Y_t^{Idi+1}} \quad (Gr_t^s = 0 \quad Y_t^{Idi}) \quad Y_t^{Idi} - j. \quad (14)$$

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, .	1752,0	1743,3	1744,5	1748,4
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-	105,2	93,6	122,0	-2	5
-	101,4	99,6	100,7	2	0
-	100,7	99,8	100,1	0	0
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 (450054,
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, 71, e-mail: voresh@mail.ru).

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R.V. Fattakhov, M.M. Nizamutdinov, V.V. Oreshnikov

TOOLS FOR JUSTIFYING THE PARAMETERS OF STRATEGIC REGIONAL DEVELOPMENT BASED ON ADAPTIVE SIMULATION

The article considers an approach to creating an adaptive simulation model of the regional socio-economic system. This approach involves three fundamental levels (economic agents, management, and macro-environment) and lies upon a coherent adaptation of both agents' behavior strategies and control actions aimed at changing the economic situation. We used the following research tools: systems analysis, methods of economic and mathematical modeling, methods of statistical, structural, and dynamic analysis, methods of correlation and regression analysis, and fuzzy logic. The approach was tested on data from the Republic of Bashkortostan. The assessment of scenario forecasting for regional development, presented in the article, substantiates the preference for adaptive strategies. Following the analysis of model runs, we determined areas of focus to promote regional socio-economic development. Such economic and mathematical models can be used in forecasting the socio-economic development of territorial systems and evaluating the impact of various government policies. The proposed approach allows for simulation experiments if they regard for matching resource capabilities and interests of not only individual economic agents but also the control subsystem of a regional socio-economic system within a single methodology, procedural, and computational framework.

Keywords: adaptive simulation; region; forecast; economic policy; development scenarios

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Information about the authors

Fattakhov, Rafael Valiakhmetovich (Moscow, Russia) – Doctor of Sciences (Economics), Professor, Head of Department at Financial University affiliated with the Government of the Russian Federation (49, Leningradsky av., Moscow, 125993, Russia, e-mail: fattakhov@mail.ru).

Nizamutdinov, Marsel Malikhovich (Ufa, Russia) – Candidate of Sciences (Engineering), Head of Sector at the Institute for Socio-Economic Research, Ufa Scientific Center of the Russian Academy of Sciences (71, Oktyabrya av., Ufa, 450054, Russia, e-mail: marsel_n@mail.ru).

Oreshnikov, Vladimir Vladimirovich (Ufa, Russia) – Candidate of Sciences (Economics), Researcher at the Institute for Socio-Economic Research, Ufa Scientific Center of the Russian Academy of Sciences (71, Oktyabrya av., Ufa, 450054, Russia, e-mail: voresh@mail.ru).

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	-0,066	-0,067*	-0,091**
« »	0,022	0,018	-0,014
« »	0,169***	0,166***	0,136***
	-0,025	-0,025	-0,021
18–24	0,176***	0,175***	0,157***
R-	0,361		
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			0,067*
	5,049**	5,057**	7,150***
	0,534	0,512	0,753
	-0,134***	-0,135***	-0,140***
« »	0,027	0,030	-0,007
« »	0,101	0,103	-0,046
	-0,036*	-0,037**	-0,035*
18–24	0,156*	0,155*	0,141*
15–19	0,050	0,050	0,049
20–24	-0,031**	-0,031**	-0,029**

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	OLS	Spatial Lag Model	Spatial Error Model
	3,318	3,333	2,544
	0,311	0,351	0,183
	-0,023	-0,023	-0,029
15–24	0,092	0,094	0,081
« »	0,047	0,044	0,052
« »	0,050	0,049	0,069
	-0,046**	-0,047**	-0,042**
18–24	0,189***	0,188***	0,209***
15–19	0,002**	0,002**	0,002**
20–24	-0,000	-0,000	-0,000
	-0,074	-0,069	-0,088
R-	0,414		
		-0,009	
			-0,051
	10,006***	9,788***	10,049***
	-1,727***	-1,665***	-1,728***
	-0,040	-0,019	-0,040
15–24	0,135	0,146	0,135

	OLS	Spatial Lag Model	Spatial Error Model
« »	0,210***	0,205***	0,210***
« »	0,012	−0,007	0,012
	−0,104***	−0,103***	−0,104***
18–24	0,091	0,094	0,091
15–19	0,002	0,002	0,002
20–24	−0,002***	−0,002***	−0,002***
15–19	0,111*	0,107**	0,111**
20–24	0,004	0,005	0,004
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e-mail: evarshavskaya@hse.ru).

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(644053, , . , 1, e-mail: stuken@mail.ru).

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Region: Economics & Sociology, 2017, No. 1 (93), p. 121–141

E.Ya. Varshavskaya, T.Yu. Stuken

RUSSIAN NEET YOUTH: ANALYSIS OF REGIONAL DIFFERENTIATION

The paper analyzes regional differences in the NEET youth (acronym from «Not in Employment, Education or Training») marking indicators. It shows that this group has a high-risk for socio-economic marginalization and exclusion. The empirical research base is constituted by the Labor Force Survey and regional statistical data for 2014. To investigate spatial effects, we have used the Moran's I coefficient and spatial econometric models. The research results indicate that the NEET rate vividly differs depending on a region, with cross-regional NEET rate variations in unemployment prove to be more obvious as compared to the NEET economic inactivity indicator differentiations. The results obtained illustrate the positive spatial correlation between the regional NEET unemployment rates, which testifies to territorial interconnections and regional clusterization. We assess factors having an impact on the regional differentiation in the NEET unemployment and NEET economic inactivity rates. The cross-regional variations are determined by the GRP per capita, urban population share, industry employment structure, youth education level, and birth and death rates. The NEET rate for young men and young women varies being affected by different factors, where with the former it is more often linked to individual behavioral characteristics, while with the latter one it is, to a greater extent, influenced by socio-economic indicators for the regions. Thus, we confirm the significance of a regionally differentiated approach to working out and exercising a youth employment policy aimed at maximizing their labor potential.

Keywords: NEET youth; Russian regions; regional differences; youth unemployment; youth economic inactivity

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Information about the authors

Varshavskaya, Elena Yakovlevna (Moscow, Russia) – Doctor of Sciences (Economics), Professor at National Research University Higher School of Economics (20, Myasnitskaya st., Moscow, 101000, Russia, e-mail: evarshavskaya@hse.ru).

Stuken, Tatyana Yurievna (Omsk, Russia) – Doctor of Sciences (Economics), Professor at F.M. Dostoevsky Omsk State University (1, Lit-skevich sq., Omsk, 644053, Russia, e-mail: stuken@mail.ru).

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2014 . 23,7% 15

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12 18,7%. 2007–2010 .

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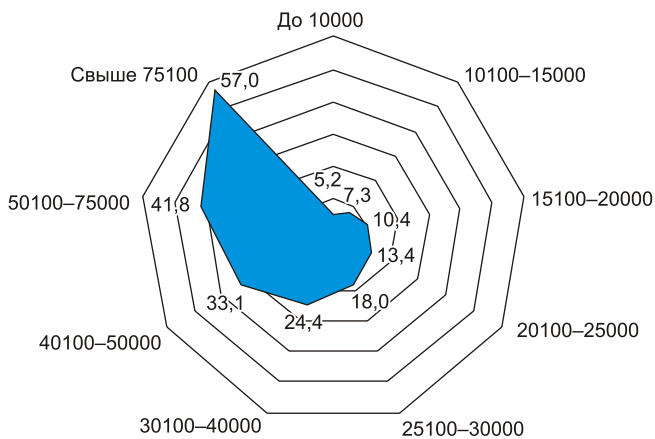
	2011	2014
-	26,4	32,5
-	24,8	31,0
-	20,1	21,2
-	7,9	20,2
-	12,6	18,2
-	15,0	20,9
-	13,4	15,2
-	21,1	26,8
-	–	13,3
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15–19	30,0	14,9	4,0	51,1	100,0
20–29	31,9	16,1	6,1	45,8	100,0
30–39	34,2	17,2	8,8	39,8	100,0
40–49	31,1	14,9	12,0	42,0	100,0
50–59	21,2	12,5	18,0	48,3	100,0
60–69	13,2	9,6	26,0	51,3	100,0
70	4,4	3,6	29,7	62,3	100,0
	23,7	12,8	15,7	47,8	100,0

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	262	345	59	2	11	2
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	156	207	41	—	9	—
-	123	374	26	—	4	1
	142	217	57	4	15	1
	47	39	55	—	19	5
	29	35	43	3	17	26
	14	9	27	6	9	64
	233	463	44	—	1	—

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	- - -	Wald- -	- Wald- -	Exp(B)	R ²
, .		2132883,365	0,000		17,30%
10000					
10100–15000	0,231	9835,250	0,000	1,260	
15100–20000	0,481	47426,991	0,000	1,617	
20100–25000	0,631	83627,401	0,000	1,880	
25100–30000	0,836	153211,948	0,000	2,308	
30100–40000	1,055	249435,871	0,000	2,872	
40100–50000	1,355	401696,784	0,000	3,876	
50100–75000	1,520	502061,076	0,000	4,571	
75100	1,805	645652,752	0,000	6,078	
		2257452,134	0,000		3,63%
	1,947	1252268,865	0,000	7,011	
	1,682	1536651,201	0,000	5,377	
	1,169	751149,516	0,000	3,220	
(, .)		1086364,824	0,000		2,05%
, 1000					
, 1001– 5000	0,594	154441,924	0,000	1,812	
, 100 .	0,904	410748,301	0,000	2,470	
, 100–499,9 .	1,153	636223,961	0,000	3,167	
, 500–999,9 .	1,129	509411,114	0,000	3,093	
, 1	1,293	712298,961	0,000	3,644	

	- -	Wald- -	Wald- -	Exp(B)	R ²
, 1 . .		209725,708	0,000		0,91%
50					
51–150	–0,242	19083,211	0,000	0,785	
151–300	–0,064	1180,756	0,000	0,938	
301–500	–0,238	15345,390	0,000	0,788	
500	0,244	13008,109	0,000	1,277	
-		573927,701	0,000		0,67%
7 « »	0,135	39945,375	0,000	1,145	
7 « »	0,485	508533,030	0,000	1,624	
	0,449	186511,177	0,000	1,567	
, 100 . . -		54519,701	0,000		0,08%
20					
21–40	–0,094	10690,586	0,000	0,910	
41–60	0,087	6812,635	0,000	1,091	
61–90	–0,013	112,197	0,000	0,988	
90	–0,068	2731,462	0,000	0,934	
10 . . ,		27116,348	0,000		0,06%

	- -	Wald- -	Wald- -	Exp(B)	R ²
50	0,104	956,248	0,000	1,110	
51-100	0,020	32,243	0,000	1,020	
101-200	0,145	1548,620	0,000	1,156	
201-300	0,163	1856,750	0,000	1,177	
301	0,298	5923,583	0,000	1,346	
- ,		31860,449	0,000		0,04%
1	-0,137	24516,960	0,000	0,872	
2	-0,069	2970,696	0,000	0,934	
- , ,		3977,843	0,000		0,01%
1	-0,062	3093,180	0,000	0,940	
2	-0,057	1765,322	0,000	0,945	
-		2805,773	0,000		0,01%
1	-0,051	2642,373	0,000	0,950	
2	0,003	5,516	0,019	1,003	
	-4,676	1218074,661	0,000	0,009	
	R ² () = 24,8%; N = 113138; - () 69,6%				

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T.Yu. Cherkashina

FACTORS OF SPATIAL MOBILITY FOR RUSSIANS

Based on the Integrated Living Conditions Monitoring in Russia, the article determines the levels of population mobility in different Russian regions.

The subject of research is Russian tourism mobility. A series of binary logistic regression equations shows that individual factors (economic status and health) have the greatest impact on tourism probability; the effect of transport infrastructure attributes on the leisure-time spatial mobility is «absorbed» by the characteristics of individual income, i.e. regional discrepancies in the standard of living correlate with the density of transport infrastructure. Spatial mobility for tourism is increasingly associated with land transport infrastructure rather than air transportation. In fact, the differentiation of Russian citizens by their actual tourist mobility parameters replicates economic inequality, and the density of transport infrastructure differentiated by regions does not mitigate the impact that economic resources exert on travel.

Keywords: spatial mobility; tourism; level of mobility; backward mobility; economic resources; transport infrastructure

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Information about the author

Cherkashina, Tatyana Yurievna (Novosibirsk, Russia) – Candidate of Sciences (Sociology), Senior Researcher at the Institute of Economics and Industrial Engineering, Siberian Branch of the Russian Academy of Sciences (17, Ac. Lavrentiev av., Novosibirsk, 630090, Russia, e-mail: touch@nsu.ru); Head of Department at Novosibirsk National Research State University (1, Pirogov st., Novosibirsk, 630090, Russia).

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DSGE –	[15; 18]		-
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	0,001	0,946	
	-0,107	0,912	
	0,457	-0,389	
	-0,399	0,274	
	-0,077	0,889	
	0,880	-0,164	
	-0,873	-0,208	
	0,955	0,011	
	0,478	-0,078	
	0,790	-0,386	
	-0,649	0,640	
	-0,704	0,431	
	0,437	-0,188	
	-0,070	0,130	
	0,299	-0,063	
	0,015	0,017	
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CHILDCARE	4,300	92,300	60,679	12,585
HOSPITAL	39,600	238,500	95,560	21,788
CRIME	335,000	5004,000	2003,685	731,631
NAT_INCR	-15,900	23,000	-3,184	5,624
LIFE_EXP	54,200	80,100	66,770	3,456
DEP_TO_I	0,015	7,932	1,743	0,904
CONS_TO_I	0,270	0,990	0,674	0,098
CARS	24,000	484,800	189,068	61,317
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EMPLOYMENT	16,500	80,400	61,043	6,321
ELECTRIC	0,005	0,397	0,057	0,045

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-	CHILDCARE	-	-0,621
-	HOSPITAL	+	0,087
100 . .	CRIME	+	0,144
1000 .	NAT_INCR		-0,071
	LIFE_EXP		-0,234
() /	DEP_TO_I	+	-0,093
/ -	CONS_TO_I	-	0,073
1000 .	CARS	-	-0,122
, %	EMPLOYMENT	= -1	-1
/	ELECTRIC	+	0,107
(RMSEA) P- (RMSEA < 0,05)			0,000 0,827

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$$SHADOW = -0,621 \text{ CHILD CARE} + 0,087 \text{ HOSPITAL} + \\ + 0,144 \text{ CRIME} - 0,071 \text{ NAT_INCR} - 0,234 \text{ LIFE_EXP} - \quad (1) \\ - 0,093 \text{ DEP_TO_I} + 0,073 \text{ CONS_TO_I} - 0,122 \text{ CARS.}$$

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$$SHADOW_t = \frac{SHADOW_{index t}}{SHADOW_{index base}} SHADOW_{base}, \quad (2)$$

$$SHADOW_{index t} - \text{MIMIC-} \quad t - \\ (1); SHADOW_{index base} - \\ ; SHADOW_{base} - ()$$

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21,65	8,21	65,93	<0,001	
25,40	0,07	9045,03	<0,001	
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25,18	4,67	78,680	<0,001	
25,41	0,05	7006,549	<0,001	

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 , 11, e-mail: kireenko-ap@isea.ru).

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(664003, , 11, e-mail:
nevzorova_kat@mail.ru).

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(664003, , 11, e-mail:
OrlovaEN@isea.ru).

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(61166,
, 1, e-mail: polya_o@ukr.net).

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A.P. Kireenko, E.N. Nevzorova, E.N. Orlova, O.Yu. Polyakova

SHADOW ECONOMY IN RUSSIAN REGIONS: AN ESTIMATION WITH THE MIMIC MODEL

The paper hypothesizes the possibility of estimating the shadow economy in Russian regions based on the population's standard of living and quality of life. The research method involves factor analysis and MIMIC models. For the basis of the study we chose a statistics factor analysis by region for the period between 2002 and 2013, broken down by 17 indicators. We highlight the factors that quantify the quality of life and experience the impact of the shadow economy. We design a MIMIC model and assess regional differences in the scale of the shadow economy. The model allows estimating the scale and dynamics of the shadow economy, as well as the local authorities' contribution to the region's development by evaluating the dynamics of shadow activities within the economy.

Keywords: shadow economy; quality of life; methods of measuring the shadow economy; size of the shadow economy; regions; MIMIC model

*The publication is prepared in the framework of the government order
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Information about the authors

Kireenko, Anna Pavlovna (Russia, Irkutsk) – Doctor of Sciences (Economics), Professor, Head of the Chair at Baikal State University of Economics and Law (11, Lenin st., 664003, Irkutsk, Russia, e-mail: KireenkoAP@bgu.ru).

Nevzorova Ekaterina Nikolaevna (Russia, Irkutsk) – Candidate of Sciences (Economics), Associate Professor at Baikal State University of Economics and Law (11, Lenin st., 664003, Irkutsk, Russia, e-mail: nevzorova_kat@mail.ru).

Orlova Elena Nikolaevna (Russia, Irkutsk) – Candidate of Sciences (Economics), Associate Professor at Baikal State University of Economics and Law (11, Lenin st., 664003, Irkutsk, Russia, e-mail: OrlovaEN@bgu.ru).

Polyakova Olga Yuriyevna (Ukraine, Kharkov) – Candidate of Sciences (Economics), Head of the Department at Research Center of Industrial Problems of Development, National Academy of Sciences of Ukraine (1-A, Inzhenernyy la., 61166, Kharkov, Ukraine, e-mail: polyak_o@ukr.net).

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()	11367	14178	16435	18346	19476	42,1	106
.	1192	2528	3280	3571	3873	8,4	108
« »	413	838	1422	1659	1766	3,8	106
« »	573	1054	1063	1203	1272	2,7	106
« »	190	555	706	668	836	1,8	125
« »	12	76	84	41	—	0,0	0,0
« »	5	6	6	0	0	0,0	0,0
	7744	9002	10496	12028	13094	28,3	109
« »	4381	5553	6549	8200	9905	21,4	121
« »	1687	1785	2330	2460	2094	4,5	85
« »	1662	1648	1601	1337	1076	2,3	80
« »	9	10	10	11	10	0,0	93
« - »	6	6	5	19	8	0,0	42
()	2430	2648	2659	2747	2509	5,4	91
« »	1622	1701	1728	1741	1519	3,3	87
« »	561	700	700	762	798	1,7	105
« - »	225	231	220	235	175	0,4	74
« »	16	12	6	4	14	0,0	316
« »	6	5	5	5	4	0,0	82
	687540	671520	683993	654249	612249	—	94
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·	132,9	200,0	11,0	70,0	161,9	60,6	32,2	76,3	19,9	21,3	51,1	14,0
	155,5	354,0	16,8	68,8	138,8	37,6	41,7	61,7	13,6	26,4	42,0	9,5
()	39,4	139,0	1,5	60,2	108,8	25,0	27,9	63,2	3,4	13,9	23,7	3,0
()	117,1	354,0	1,5	66,2	161,9	25,0	33,8	76,3	3,4	20,7	51,1	3,0

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		0,0	0,0	1,3	2,2	6,0	4,4	283	570	1 078	1 561	1 896	1 903	1 911	1 918	1 926	2 050	25 095
		0,0	0,0	0,7	1,2	3,4	2,5	134	264	494	713	863	867	871	875	880	950	11 520
		0,0	0,0	0,3	0,5	1,5	1,1	69	139	259	376	451	453	455	457	459	489	5 991
3	-	0,0	0,0	0,0	0,0	0,0	0,0	8,6	17,2	77,4	292	714	972	1 574	1 917	2 330	3 009	24 600
		0,0	0,0	0,0	0,0	0,0	0,0	5,5	11,1	49,8	188	459	625	1 013	1 234	1 500	1 937	15 834
		0,0	0,0	0,0	0,0	0,0	0,0	1,8	3,6	16,2	61	149	203	329	401	487	629	5 143
		0,0	0,0	0,0	0,0	0,0	0,0	1,3	2,5	11,4	43	105	143	232	282	343	443	3 623
3	-	0,0	0,0	2,3	4,0	10,9	8,0	495	990	1 908	2 941	3 924	4 195	4 811	5 168	5 594	6 498	67 207
		0,0	0,0	1,3	2,2	6,0	4,4	289	581	1 128	1 749	2 355	2 529	2 924	3 152	3 425	3 987	40 930
		0,0	0,0	0,7	1,2	3,4	2,5	136	267	510	774	1 012	1 070	1 200	1 276	1 367	1 579	16 663
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	14	12	0,65	0,18
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»	4	5	0,41	0,19
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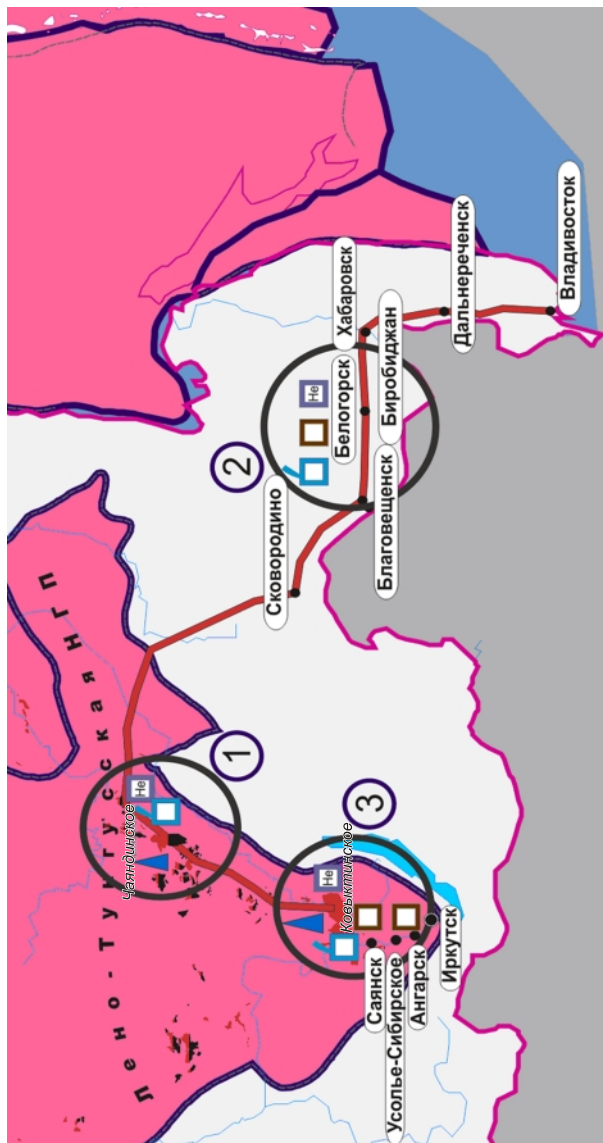
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Region: Economics & Sociology, 2017, No. 1 (93), p. 190–212

A.E. Kontorovich, L.V. Eder, I.V. Filimonova, S.M. Nikitenko

KEY DEVELOPMENT PROBLEMS OF THE POWER OF SIBERIA PROJECT

The paper examines the problems linked to the implementation the Power of Siberia project as it pertains to the possibilities of integrated development of mineral resources, including the organization of gas production, petrochemical, oil-and-gas transportation, and helium industries in the eastern regions of Russia. Within the project, we accomplish the following tasks: analyze the natural gas resource base and production in Eastern Siberia and

the Sakha Republic (Yakutia); substantiate the development trends for transport infrastructure; point out the key problems associated with the project implementation; consider the feasibility of a public–private partnership. The Power of Siberia project is faced with a few pressing issues. For instance, neither in Russia nor the world, there are extra-long-distance pipelines transporting multicomponent gas. A deliberate reduction in helium concentration will lead to a sharp rise in its release cost, which challenges the entire helium part of the program. Moreover, the modern concept of exploiting gas potential in Eastern Siberia does not involve the Irkutsk processing cluster that already has prominent infrastructure to process hydrocarbon raw materials, human resources, and production capacity, as opposed to an anticipated gas processing plant in Amur Oblast.

Keywords: Eastern Siberia; Power of Siberia; gas condensate; gas reserves; gas production; gas processing; integrated development of natural resources; government regulation; public–private partnership

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Information about the authors

Kontorovich, Aleksey Emilievich (Kemerovo, Russia) – Full Member of the Russian Academy of Sciences, Chairman of the Presidium of the Kemerovo Scientific Center, Siberian Branch of the Russian Academy of Sciences (18, Sovetskiy av., Kemerovo, 650000, Russia, e-mail: kemsc@kemsc.sdras.ru); Scientific Director of the Institute of Petroleum Geology and Geophysics, Siberian Branch of the Russian Academy of Sciences (3, Ac. Koptug av., Novosibirsk, 630090, Russia).

Eder, Leontiy Viktorovich (Novosibirsk, Russia) – Doctor of Sciences (Economics), Head of Laboratory at the Institute of Petroleum Geology and Geophysics, Siberian Branch of the Russian Academy of Sciences (3, Ac. Koptug av., Novosibirsk, 630090, Russia e-mail: EderLV@yandex.ru); Professor at Novosibirsk National Research State University (2, Pirogov st., Novosibirsk, 630090, Russia); Leading Researcher at Federal Research Centre of Coal and Coal Chemistry, Siberian Branch of the Russian Academy of Sciences (18, Sovetskiy av., Kemerovo, 650000, Russia).

Filimonova, Irina Viktorovna (Novosibirsk, Russia) – Doctor of Sciences (Economics), Leading Researcher at the Institute of Petroleum Geology and Geophysics, Siberian Branch of the Russian Academy of Sciences (3, Ac. Koptug av., Novosibirsk, 630090, Russia e-mail: FilimonovaIV@list.ru); Head of Department at Novosibirsk National Research State University (2, Pirogov st., Novosibirsk, 630090, Russia); Leading Researcher at Federal Research Centre of Coal and Coal Chemistry, Siberian Branch of the Russian Academy of Sciences (18, Sovetskiy av., Kemerovo, 650000, Russia).

Nikitenko, Sergey Mikhaylovich (Kemerovo, Russia) – Doctor of Sciences (Economics), Head of Laboratory at Federal Research Centre of Coal and Coal Chemistry, Siberian Branch of the Russian Academy of Sciences (18, Sovetskiy av., Kemerovo, 650000, Russia, e-mail: nsm.nis@mail.ru).

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.	61,90	89,10	75,50	40,70	57,28	48,19	48,72
-	57,70	89,10	73,40	49,60	75,28	62,35	62,41
.	60,30	87,90	74,10	54,40	76,89	56,02	62,44
.	58,30	91,70	75,00	71,80	82,22	30,08	61,37
.	61,90	85,90	73,90	41,50	48,39	46,31	45,40
.	59,40	85,70	72,55	40,80	69,56	49,49	53,28
.	58,30	90,90	74,60	42,80	64,17	39,92	48,96
.	60,70	88,10	74,40	46,10	63,28	56,94	55,44
.	62,20	83,60	72,90	55,90	45,67	47,74	49,77
.	57,70	93,00	75,35	37,70	50,06	40,55	42,77
.	61,40	81,40	71,40	43,70	52,33	54,16	50,06
.	59,40	88,00	73,70	60,50	51,78	52,34	54,87
.	62,20	88,70	75,45	51,90	59,89	48,30	53,36
.	57,10	91,00	74,05	46,70	65,22	31,14	47,69
()	59,70	82,60	71,15	49,70	65,11	32,23	49,02
.	58,40	88,80	73,60	44,20	50,11	46,91	47,07

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89,59	94,43	71,77	85,26	81,20	70,00	75,60	70,93
97,56	96,65	36,52	76,91	88,40	71,50	79,95	70,27
92,58	91,82	37,51	73,97	68,30	72,60	70,45	70,06
90,13	91,60	64,59	82,11	63,70	52,00	57,85	69,12
96,00	89,68	71,17	85,62	47,10	46,80	46,95	67,23
96,18	72,37	46,18	71,58	77,70	63,20	70,45	65,33
93,35	72,52	24,69	63,52	70,50	66,10	68,30	64,41
91,63	88,94	86,41	88,99	30,40	51,30	40,85	63,35
96,95	76,70	18,55	64,07	63,30	50,50	56,90	62,70
96,07	72,24	25,21	64,51	63,80	58,90	61,35	62,13
98,93	81,79	19,89	66,87	60,60	63,10	61,85	61,71
92,26	66,31	27,38	61,98	67,70	54,40	61,05	61,12
91,55	72,00	22,70	62,08	41,60	63,90	52,75	60,85
97,34	75,01	12,76	61,70	36,90	65,00	50,95	60,37
94,98	41,13	64,65	66,92	23,80	43,60	33,70	55,59
86,01	53,50	54,69	64,73	36,10	36,00	36,05	55,24
97,31	72,43	32,30	67,35	56,30	58,90	57,60	61,40

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.	65,42	66,39	66,64	70,08	70,30	70,22	70,27
-	70,11	69,60	70,65	71,16	70,50	71,30	70,06
.	68,63	68,99	69,42	70,94	68,76	68,33	69,12
.	66,08	67,18	69,82	72,15	73,21	70,31	67,23
.	59,84	63,55	63,84	67,10	65,91	65,28	65,33
.	52,57	54,10	58,30	62,92	63,84	63,86	64,41
.	56,11	57,70	58,72	59,39	60,77	62,00	63,35
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.	53,21	55,51	57,71	59,13	60,72	62,02	61,71
.	58,41	56,66	57,40	59,31	59,58	61,23	61,12
.	59,74	60,26	61,13	60,38	60,62	61,73	60,85
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(,) – , . (630090, , 17, e-mail: anatoli-3@yandex.ru). (,) – , .

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Region: Economics & Sociology, 2017, No. 1 (93), p. 213–236

A.E. Sevastyanova, A.N. Tokarev, V.V. Shmat

APPLICATION FEATURES OF INCLUSIVE DEVELOPMENT CONCEPT IN RESOURCE REGIONS

The paper explores a possibility of inclusive development in resource regions. We evaluate the degree of inclusiveness of Russian regions' socio-economic development for the period between 2008 and 2014. The article defines

a set of indicators that reflect the state of the system under study and its components with regards to development inclusiveness. It substantiates the calculations algorithm and resultant index principles. Our findings show a mixed picture whose analysis helps to identify the factors specific for resource regions and affecting the degree of inclusiveness of economic development. The results aimed at both improving the methodology for the research of regional socio-economic issues and obtaining a practical impact expressed as a contribution to management practices.

Keywords: region; resource structure of the economy; inclusive growth; sustainable development; indicators of inclusive development; social problems of development

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Information about the authors

Sevastyanova, Anastasiya Egorovna (Novosibirsk, Russia) – Candidate of Sciences (Economics), Leading Researcher at the Institute of Economics and Industrial Engineering, Siberian Branch of the Russian Academy of Sciences (17, Ac. Lavrentiev av., Novosibirsk, 630090, Russia, e-mail: aseva@ieie.nsc.ru).

Tokarev, Anatoliy Nikolaevich (Novosibirsk, Russia) – Doctor of Sciences (Economics), Head of Sector at the Institute of Economics and Industrial Engineering, Siberian Branch of the Russian Academy of Sciences (17, Ac. Lavrentiev av., Novosibirsk, 630090, Russia, e-mail: anatoli-3@yandex.ru).

Shmat, Vladimir Vitalyevich (Novosibirsk, Russia) – Candidate of Sciences (Economics), Leading Researcher at the Institute of Economics and Industrial Engineering, Siberian Branch of the Russian Academy of Sciences (17, Ac. Lavrentiev av., Novosibirsk, 630090, Russia, e-mail: petroleum-zugzwang@yandex.ru).

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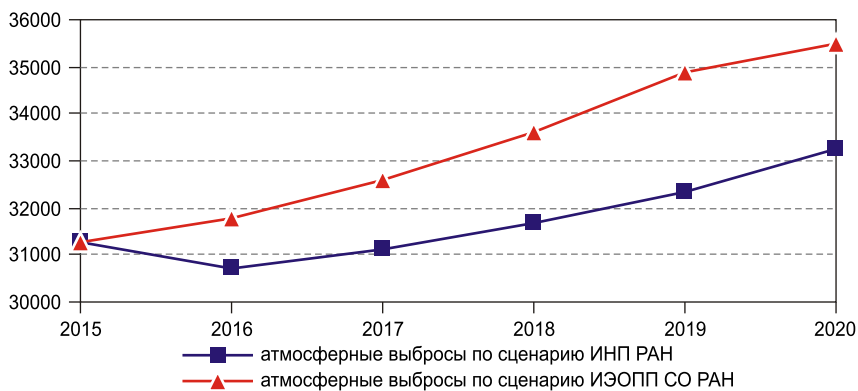
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T.O. Tagaeva, L.K. Kazantseva, Yu.O. Tsvlodub

PROBLEMS OF ENVIRONMENTAL POLLUTION IN RUSSIAN REGIONS

The paper analyzes the contemporary ecological situation in Russia, characterized as steadily negative. It presents a forecast of the environmental load for the period 2016–2020 obtained using the dynamic input-output model with an ecological module. We consider two Russian economic development scenarios: one was designed at the Institute of Economic Forecasting, RAS, the other at the Institute of Economics and Industrial Engineering, SB RAS. According to the forecast for both scenarios, the environmental load will further increase. We estimate the necessary size of ecological taxes for negative impacts on the environment and provide a rationale for some ways of improving the government environmental policy.

Keywords: ecological situation; environmental pollution; dynamic input-output model with an ecological module; ecological forecast; government environmental protection policy

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Information about the authors

Tagaeva, Tatiana Olegovna (Novosibirsk, Russia) – Doctor of Sciences (Economics), Leading Researcher at the Institute of Economics and Industrial Engineering, Siberian Branch of the Russian Academy of Sciences (17, Ac. Lavrentiev av., Novosibirsk, 630090, Russia, e-mail: tagaeva@ieie.nsc.ru); Professor at Novosibirsk National Research State University (2, Pirogov st., Novosibirsk, 630090, Russia).

Kazantseva, Lidiya Kuzminichna (Novosibirsk, Russia) – Candidate of Sciences (History), Senior Researcher at the Institute of Economics and Industrial Engineering, Siberian Branch of the Russian Academy of Sciences (17, Ac. Lavrentiev av., Novosibirsk, 630090, Russia, e-mail: klk@ieie.nsc.ru).

Tselodub, Yuliya Olegovna (Novosibirsk, Russia) – Senior Lecturer at Novosibirsk National Research State University (2, Pirogov st., Novosibirsk, 630090, Russia, e-mail: yula-ts@mail.ru).

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R.A. Abramov, S.G. Strelchenko, E.Yu. Khalatenkova

TRANSREGIONAL COOPERATION AS A FACTOR TO STRENGTHEN INTERSTATE RELATIONS IN THE UNION STATE

The article deals with the development of transregional interaction between the Republic of Belarus and the Russian Federation. Basing on the analysis of Russian and Belarusian regions' experience, we reveal the main

problems of such a cooperation. It is shown that, within the context of the Union State, the major obstacle to making contacts between regions and creating transregional connections in economy, culture, science, and education is the complications resulting from of the countries' federative and unitary structures. We discover that current contacts are geographically diversified. We give our recommendations for the development of foundations for cooperation in innovative sectors of the economy.

Keywords: spatial contacts; regional economy; social sphere; regions' development gap; the Union State

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Information about the authors

Abramov, Ruslan Agarunovich (Moscow, Russia) – Doctor of Sciences (Economics), Professor, Head of Chair at Plekhanov Russian University of Economics (36, Stremyanny la., Moscow, 117997, Russia, e-mail: oef08@mail.ru).

Strelchenko, Sergey Georgievich (Moscow, Russia) – Executive Secretary for the Parliamentary Assembly of the Union of Belarus and Russia (47, Myasnitskaya st., Moscow, 101000, Russia, e-mail: rea.gov@gmail.com).

Khalatenkova, Elena Yurievna (Moscow, Russia) – Specialist at Moscow State-Financed Institution «Analytical Center» (15, New Arbat st., Moscow, 119019, Russia, e-mail: realelen1@mail.ru).

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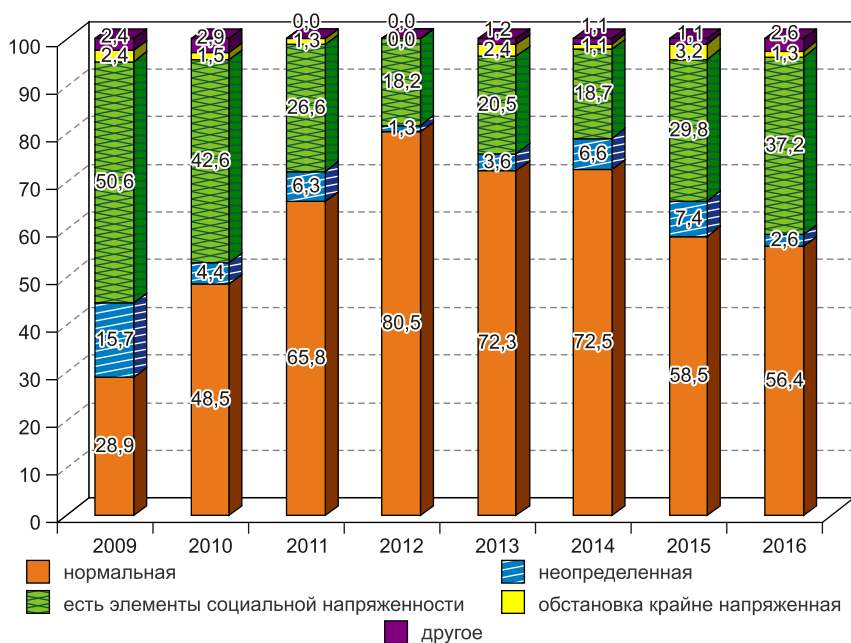
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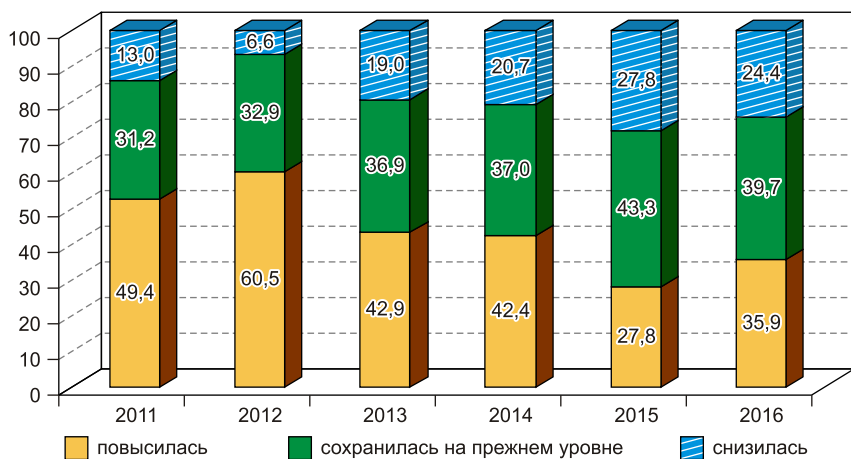
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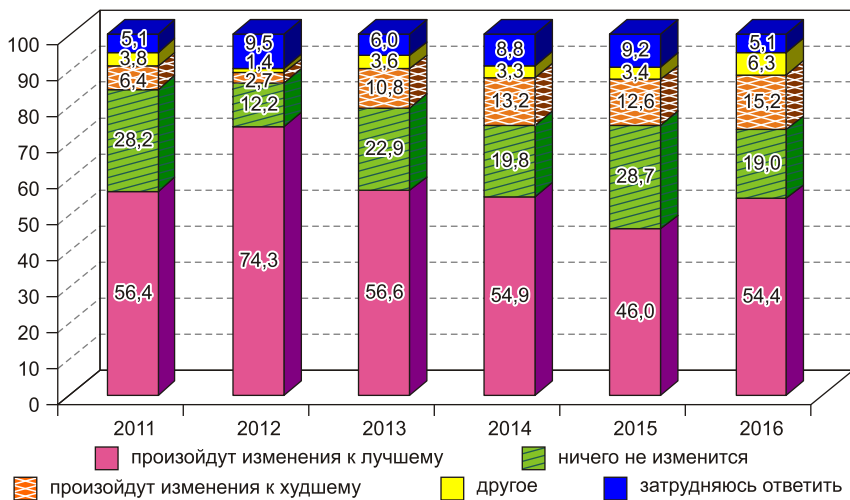
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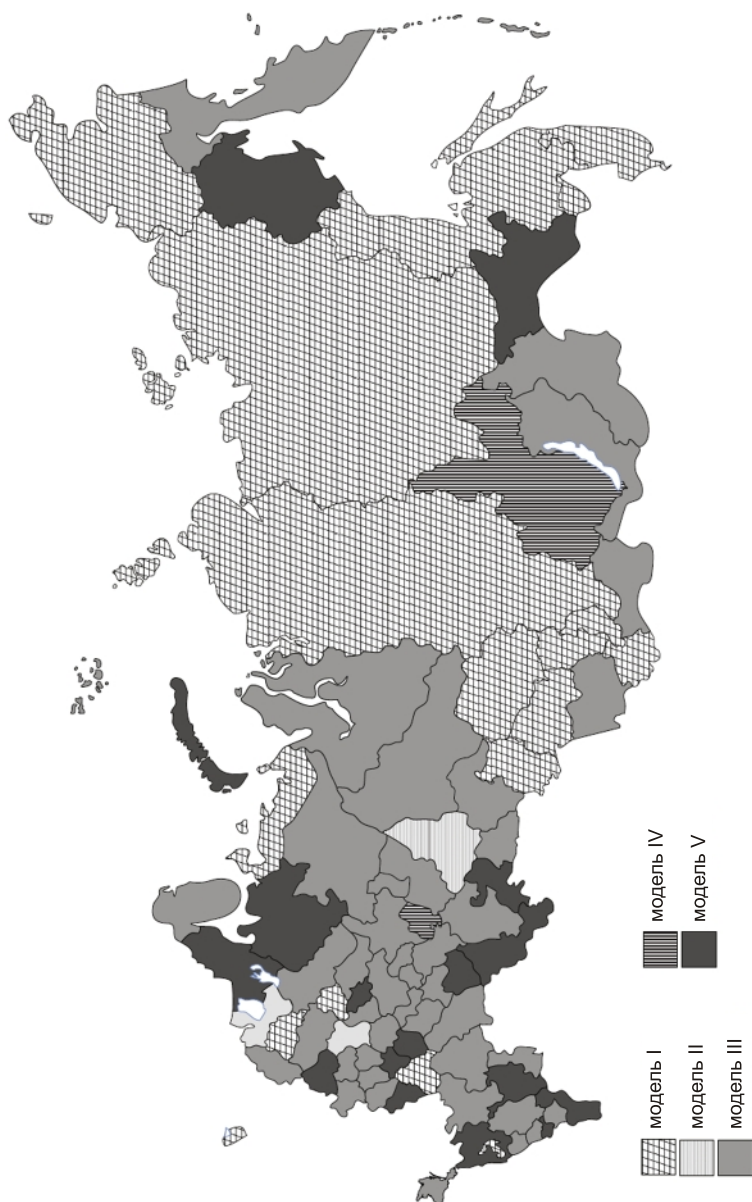
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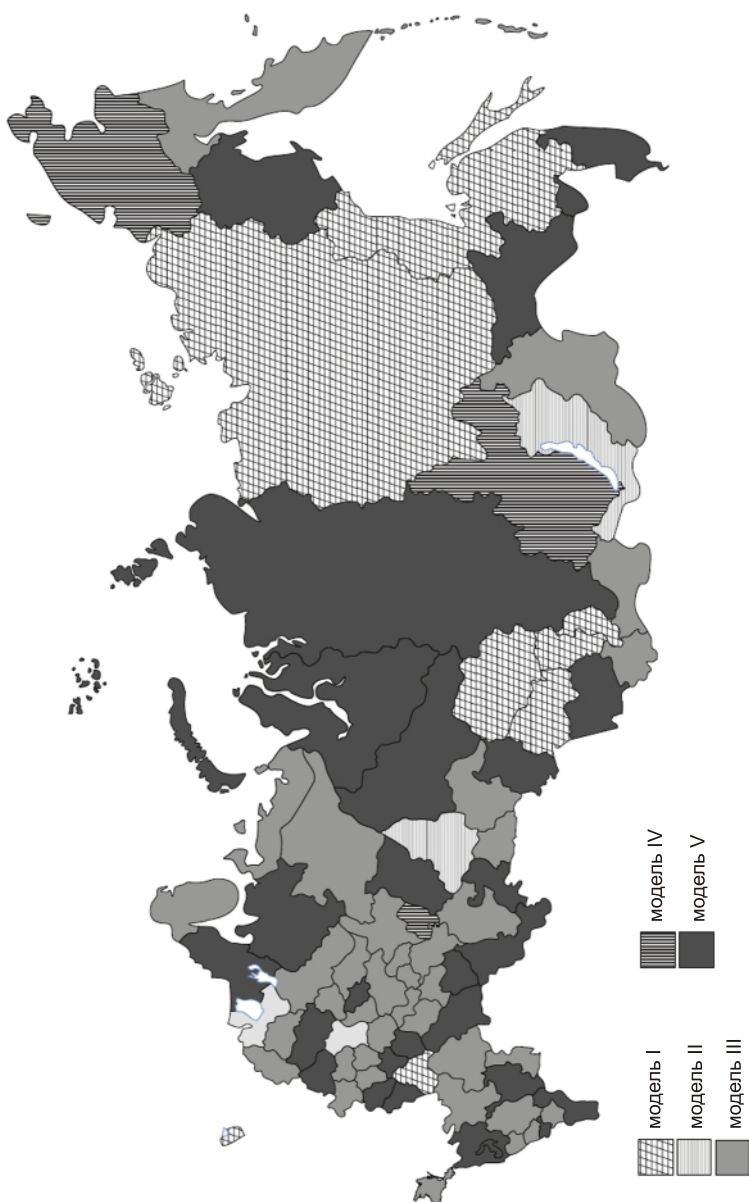
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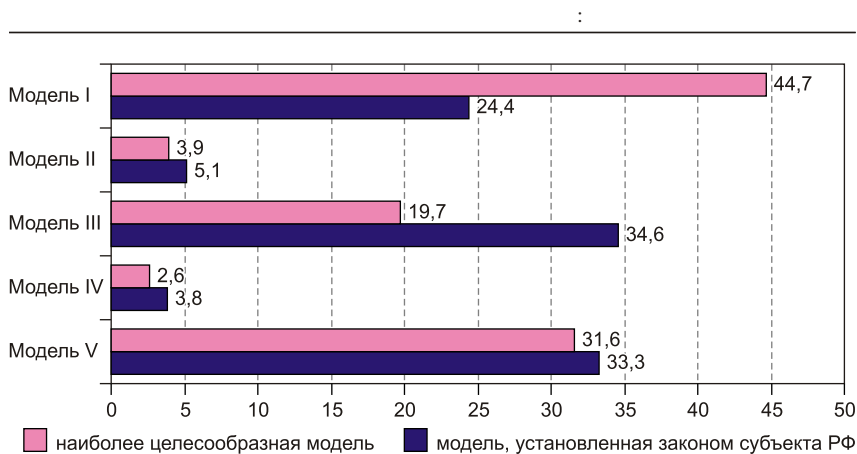


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E.E. Goryachenko, K.V. Malov

REFORMING THE SYSTEM OF LOCAL GOVERNMENT: ESTIMATES AND PROBLEMS

The article analyzes modern problems of local government, their dynamics, and guidelines for their solution. Based on annual surveys conducted among heads of municipalities in Russia, we reveal trends implying a changing role of local government in the economic crisis. The existing regulatory framework is shown as imperfect as it is limiting the opportunities of local government. We also discuss the results of the latest stage of municipal reform. By analyzing the change trends for organizational forms of local government, we discover a reorientation from direct elections of heads of municipalities to competitive job substitution procedures. We study the benefits and drawbacks to various models of local government organization envisioned by the newest stage of municipal construction. The article demonstrates divergences between legislatively established and the most expedient (from the standpoint of heads

of municipalities) models. The conclusion is that there is a need to monitor the effectiveness of the changes to the legislation and consider the opinions of heads of municipalities when designing a research-based development concept for the system of local government.

Keywords: system of local government; municipality; organization models; reformation; monitoring; expert survey

The publication is prepared within the priority XI.173 (project No. XI.173.1.2) according to the research plan of the IEIE SB RAS

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Information about the authors

Goryachenko, Elizaveta Evgenievna (Novosibirsk, Russia) – Candidate of Sciences (Economics), Associate Professor, Head of Sector at the Institute of Economics and Industrial Engineering, Siberian Branch of the Russian Academy of Sciences (17, Ac. Lavrentiev av., Novosibirsk, 630090, Russia, e-mail: egor@ieie.nsc.ru).

Malov, Kirill Vladimirovich (Novosibirsk, Russia) – Candidate of Sciences (Sociology), Researcher at the Institute of Economics and Industrial Engineering, Siberian Branch of the Russian Academy of Sciences (17, Ac. Lavrentiev av., Novosibirsk, 630090, Russia, e-mail: malov@academ.org).

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