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2015–2016	.	.	.	.
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» <sup>1</sup>	.	.	.	194
2015	.	.	31	,
16%	.	.	,	,
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1000,      200      400,      100      200,      -      700      1000,  
200      400,      -      100      200,      -      70      100      .

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[7; 9])

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 [5; 6]  
  
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 46–55  
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 [12]:  
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 5% , 75%  
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: 71% , ,

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		: « ? » , - (%)					
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2-3	18 (58)	8 (26)	0 (0)	1 (3)	0 (0)	4 (13)	
	9 (29)	10 (32)	6 (19)	2 (7)	0 (0)	4 (13)	
1-2	10 (33)	12 (39)	3 (8)	2 (7)	0 (0)	4 (13)	
3-5	22 (71)	2 (7)	2 (7)	2 (7)	0 (0)	3 (8)	











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/	2 (7)	2 (7)	27 (86)	0 (0)
	1 (3)	5 (16)	25 (81)	0 (0)
	1 (3)	1 (3)	29 (94)	0 (0)
	1 (3)	4 (13)	26 (84)	0 (0)
	0 (0)	0 (0)	31 (100)	0 (0)

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- (%)

	- (%)			
	-	-	-	
-	16 (64)	4 (16)	2 (8)	3 (12)
	15 (60)	5 (20)	3 (12)	1 (4)
	16 (64)	3 (12)	3 (12)	3 (12)
	16 (64)	2 (8)	3 (12)	4 (16)
	18 (72)	4 (16)	1 (4)	2 (8)
	8 (32)	0 (0)	1 (4)	1 (4)
	25 (100)	0 (0)	0 (0)	15 (60)
				0 (0)



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– URL: [http://obsfr.ru/fileadmin/Policy\\_paper/PP\\_12\\_RU\\_Dezhina.pdf](http://obsfr.ru/fileadmin/Policy_paper/PP_12_RU_Dezhina.pdf) ( : 05.04.2017).
4. . . . : . – 2015. – 10. – . 32–34.
5. *Damanpour F., Szabat K.A., Evan W.M.* The relationship between types of innovation and organizational performance // Journal of Management Studies. – 1989. – Vol. 26, No. 6. – P. 587–601.
6. *Evangelista R., Imammarino S., Mastrostefano V., Silvani A.* Measuring the regional dimension of innovation: Lessons from the Italian innovation survey // Technovation. – 2001. – Vol. 21, No. 11. – P. 733–755.
7. *Fritch M.* Measuring the quality of regional innovation systems: A knowledge production approach // International Regional Science Review. – 2002. – Vol. 25. – P. 86–101.
8. *Murphy L.M., Edwards P.L.* Bridging the Valley of Death: Transitioning from Public to Private Sector Financing. – Golden, CO: National Renewable Energy Laboratory, 2003. – URL: <https://www.nrel.gov/docs/gen/fy03/34036.pdf> ( : 20.04.2017).
9. *Nager A., Hart D., Ezell S., Atkinson R.D.* The Demographics of Innovation in the United States. Information Technology & Innovation Foundation. February 2016. – URL: <http://www2.itif.org/2016-demographics-of-innovation.pdf> ( : 12.04.2017).
10. *Nybakk E.* Learning orientation, innovativeness and financial performance in traditional manufacturing firms: a higher-order structural equation model // International Journal of Innovation Management. – 2012. – Vol. 16, Iss. 5. – 142 p.
11. *O'Berry D.* Small Business Cash Flow: Strategies for Making Your Business a Financial Success. – Hoboken, NJ: Wiley, 2007. – 224 p.
12. *Walsh J.P., Nagaoka S.* Who Invents?: Evidence from the Japan-US Inventor Survey / RIETI Discussion Paper Series 09-E-034. 2009. – URL: <https://www.rieti.go.jp/jp/publications/dp/09e034.pdf> ( : 25.03.2017).
13. *Yoshitaka O., Miyazaki K.* An empirical analysis of the valley of death: Large-scale R&D project performance in a Japanese diversified company // Asian Journal of Technology Innovation. – 2006. – Vol. 14, No. 2. – P. 93–116.

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## **INNOVATIVE DEVELOPMENT IN THE INTERIOR OF REINDUSTRIALIZATION OF THE REGIONAL SPACE OF RUSSIA**

*The article analyzes features of how industrial elites visualize those problems (collisions) of manufacturing enterprises which are objectively connected with technological innovations: available resources including human capital, social barriers and catalyst factors for innovation, technological innovation networks, etc. As an information base for research, we use an expert socio-logical survey held among chief executives of manufacturing enterprises in Novosibirsk. We draw several conclusions. The industrial policy pursued by the Russian federal government deeply frustrates experts in terms of innovative development challenges. Technological innovation networks at enterprises under study are formed de facto within a compressed local socio-economic space, and infringed at that, since the years of market reform saw destructive deindustrialization processes which prompted the degeneration of the regional and interregional innovation networks that had developed in the Soviet era, the system of former technological interactions collapsed and disintegrated whereas new networks and interactions shape up slowly and hesitantly. The*

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*subject of human capital in industry, when put within a dynamically changing technological and innovative reality, comes out as ambiguous: on the one hand, it is claimed that employees are highly proficient; on the other hand, it is recognized that the innovative capacity is not yet unlocked for objective reasons. Inflamed tensions among key agents in the field of technological innovation (manufacturing enterprises and federal agencies) create additional obstructions for Russia to the path of innovative development, so they must be deescalated.*

**Keywords:** manufacturing enterprises; innovation; obstructions; human capital; technological innovation networks; experts; questionnaire survey

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## References

1. Agarkov, S.A., E.S. Kuznetsova & M.O. Gryaznova. (2011). Innovatsionnyy menedzhment i gosudarstvennaya innovatsionnaya politika [Innovation management and state innovation policy]. Moscow, Russian Academy of Natural History Publ., 143.
2. Bourdieu, P. (2007). Sotsialnoe prostranstvo: polya i praktiki [Espace social: Champs et pratiques]. Moscow, Aleteia Publ., 567.
3. Dezhina, I. (2016). Innovatsionnaya politika v Rossii: tendentsii, slozhnosti, perspektivy [Innovative policy in Russia: Trends, complexities, and prospects]. Available at: [http://obsfr.ru/fileadmin/Policy\\_paper/PP\\_12\\_RU\\_Dezhina.pdf](http://obsfr.ru/fileadmin/Policy_paper/PP_12_RU_Dezhina.pdf) (date of access: 05.04.2017).
4. Khegay, Yu.A. & A.A. Klimin. (2015). Modernizatsiya promyshlennosti na osnove innovatsiy [The modernization of the industry through innovation]. Teoriya i praktika obshchestvennogo razvitiya [Theory and Practice of Social Development], 10, 32–34.
5. Damancpour, F., K.A. Szabat & W.M. Evan. (1989). The relationship between types of innovation and organizational performance. Journal of Management Studies, Vol. 26, No. 6, 587–601.
6. Evangelista, R., S. Imammarino, V. Mastrostefano & A. Silvani. (2001). Measuring the regional dimension of innovation: Lessons from the Italian innovation survey. Technovation, Vol. 21, No 11, 733–755
7. Fritch, M. (2002). Measuring the quality of regional innovation systems: A knowledge production approach. International Regional Science Review, Vol. 25, 86–101.
8. Murphy, L.M. & P.L. Edwards. (2003). Bridging the valley of death. Transitioning from Public to Private Sector Financing. Golden, CO: National Renewable Energy Laboratory, 3. Available at: <https://www.nrel.gov/docs/gen/fy03/34036.pdf> (date of access: 20.04.2017)

9. Nager, A., D. Hart, S. Ezell & R.D. Atkinson. (2016). The Demographics of innovation in the United States. Information Technology & Innovation Foundation. Available at: <http://www2.itif.org/2016-demographics-of-innovation.pdf> (date access: 12.04.2017)
  10. Nybakk, E. (2012). Learning orientation, innovativeness and financial performance in traditional manufacturing firms: a higher-order structural equation model. International Journal of innovation management, Vol. 16, Is. 5, 142.
  11. O'Berry, D. (2007). Small Business Cash Flow: Strategies for Making Your Business a Financial Success. Hoboken, NJ, Wiley, 224.
  12. Walsh, J.P. & S. Nagaoka. (2009). Who Invents?: Evidence from the Japan-US Inventor Survey. RIETI Discussion Paper Series 09-E-034. Available at: <https://www.rieti.go.jp/publications/dp/09e034.pdf> (date of access: 25.03.2017)
  13. Yoshitaka, O. & K. Miyazaki. (2006). An empirical analysis of the valley of death: Large-scale R&D project performance in a Japanese diversified company. Asian Journal of Technology Innovation, Vol. 14, No. 2, 93–116.

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