
338.22

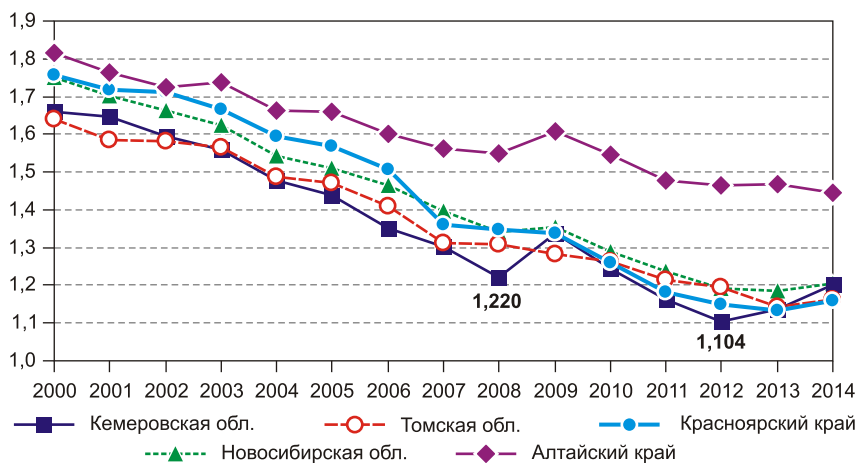
: , 2016, 4 (92), . 218-236

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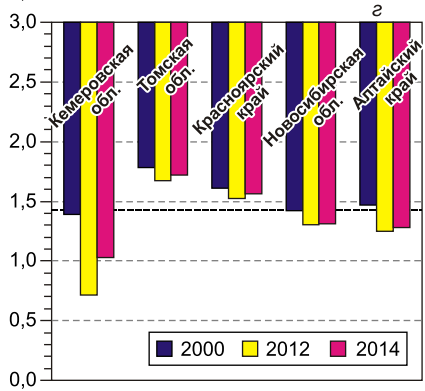
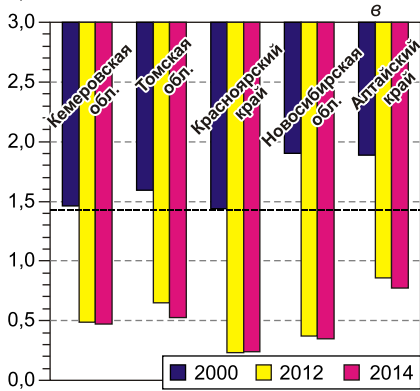
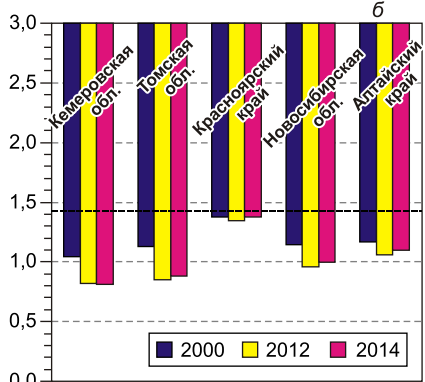
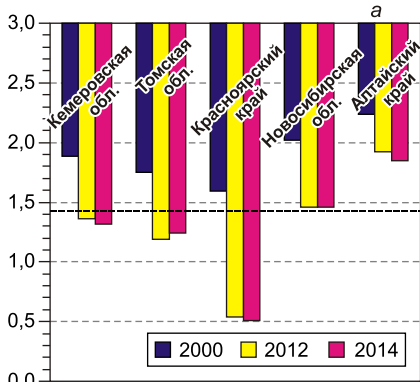


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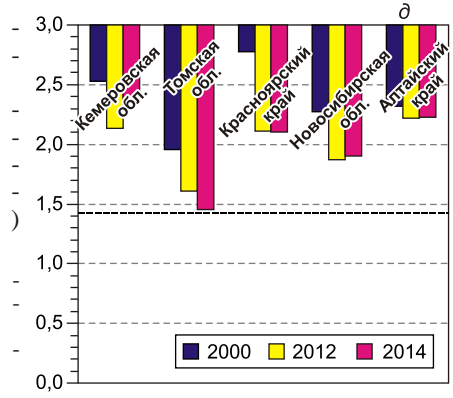
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⁷ : Wood Mackenzie:
URL: <http://metcoal.ru/news.asp?action=item&id=19380> .

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. 110-122.

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..... // 21 Century: Fundamental Science and Techno-
logy IV = 21 : .IV
. Vol. 1: Proceedings of the Conference. North Charleston, 16-17.06.2014. - North
Charleston, SC, USA: CreateSpace, 2014. - . 190-193;

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sis, DEA)¹¹

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.- 2015. - 6 (112). - . 182-190.

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STATISTICA.

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13 (*Canonical R = 0,999*)

($p < 0,0001$);

12

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| * (« ») | | ** (« ») | |
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| X ₁ | , Y ₁ | - | - |
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| 5 | , . / . | | Y ₅ |

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**

• (Total redundancy)
: 1)

86% ()
; 2) 76%

« » (X) « » (Y)
(

)

$$X = -0,192X_1 - 0,563X_3 - 0,205X_4 + 0,598X_5,$$
$$Y = +0,411Y_1 + 0,145Y_2 + 0,650Y_3 - 1,771Y_4 + 0,551Y_5$$



2005–2014 .

0,598)

(-0,563);



(),

(-1,771)

(0,650).

2005–2014 .

(0,145).

(. 3).

(

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| | X_1 | X_2 | X_3 | X_4 | X_5 |
|-----------|---------------|---------------|--------------|---------------|--------------|
| Y_1 | -0,104 | -0,843 | 0,173 | -0,162 | 0,297 |
| Y_1 () | | -0,893 | 0,236 | -0,149 | 0,344 |
| Y_2 | 0,099 | -0,943 | 0,615 | 0,048 | 0,469 |
| Y_2 () | 0,095 | -0,919 | 0,623 | | 0,513 |
| Y_2 () | | -0,885 | 0,565 | | 0,460 |
| Y_3 | 0,015 | -0,703 | 0,648 | -0,408 | 0,729 |
| Y_3 () | | -0,697 | 0,640 | -0,410 | 0,722 |
| Y_4 | 0,035 | -0,568 | 0,727 | -0,354 | 0,113 |
| Y_3 () | | -0,553 | 0,707 | -0,358 | 0,097 |
| Y_3 () | | -0,586 | 0,664 | -0,303 | |
| Y_5 | -0,210 | -0,167 | 0,289 | -0,971 | 0,339 |
| Y_5 () | -0,273 | | 0,286 | -1,096 | 0,448 |

: Canonical $R^2 = 0,97$; $p < 0,0001$;

92,5–97,8%

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1. // : . – 2004. – 3. – . 23–38.
 2. // : . – 2013. – 3 (79). – . 96–110.
 3. // . – 2008. – 5. – . 63–80.
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 5. : - , 2008. – 528 .
 6. // . – 2006. – 10. – . 1–27.
 7. : . – 2006. – 1. – . 141–154.
 8. // : . – 2015. – 2 (86). – . 150–174.
 9. // : . – 2014. – 2 (82). – . 67–80.

(650000, , . , 28, e-mail: yurifridman@mail.ru).
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 , 28, e-mail: pag_vt@kuzstu.ru).

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COMPETITIVENESS OF A REGION UNDER THE INNOVATIVE ECONOMIC DEVELOPMENT

Using the example of Kemerovo Oblast, the research provides a quantitative assessment of how the innovative development of individual economic sectors affect the competitive position of a region. We mark out five factors which adequately characterize the state of the region referring to its attractiveness for people's lives and business development. The article conducts a comparative analysis of competitiveness levels in five regions of the Siberian Federal District. It also determines the indicators for the innovative development of the Kuzbass coal industry, which, when met, help to raise the competitive advantages of the region's economy. We put forward a proposal that a new development paradigm in Kemerovo Oblast should be based on the innovative development of the coal industry.

Keywords: region; competitiveness; models of development; innovation; Kuzbass; coal

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References

1. *Vazhenin, S.G., A.R. Zlochenko & A.I. Tatarkin.* (2004). Konyunktura konkurentosposobnosti regiona [Competitive opportunities of regions]. *Region: ekonomika i sotsiologiya [Region: Economics and Sociology]*, 3, 23–38.
2. *Grinchel, B.M.* (2013). Konkurentnyy potentsial i konkurentnaya privlekatel'nost' regionov [Regional competitive potentials and competitive attractiveness]. *Region: ekonomika i sotsiologiya [Region: Economics and Sociology]*, 3 (79), 96–110.
3. *Kazantsev, S.V.* (2008). Otsenka vnutrenney konkurentosposobnosti regionov Rossii [Assessment of internal competitiveness of Russian regions]. *EKO*, 5, 63–80.
4. *Marshalova, A.S., G.D. Kovaleva, G.A. Untura et al.; A.S. Novoselov* (Ed.). (2008). Konkurentosposobnost i strategicheskie napravleniya razvitiya regiona [Competitiveness and Strategic Directions of Development of the Region]. Novosibirsk, Institute of Economics and Industrial Engineering SB RAS, 528.

5. *Larina, N.I. & A.I. Makaev.* (2006). Klasterizatsiya kak put povysheniya mezhdunarodnoy konkurentosposobnosti strany i regionov [Clustering as the way to increase the international competitiveness of the country and regions]. *EKO*, 10, 1–27.

6. *Tatarkin, A.I.* (2006). Formirovanie konkurentnykh preimushchestv regionov [The formation of regions' competitive advantages]. *Region: ekonomika i sotsiologiya* [Region: Economics and Sociology], 1, 141–154.

7. *Untura, G.A.* (2002). Region kak epitsentr zarozhdeniya konkurentosposobnosti [Region as a centre of nascent competitive advantage]. *Region: ekonomika i sotsiologiya* [Region: Economics and Sociology], 1, 3–16.

8. *Khalimova, S.R.* (2015). Otsenka rossiyskikh regionov po urovnyu innovatsionnogo razvitiya [Evaluating Russian regions according to the level of innovation development]. *Region: ekonomika i sotsiologiya* [Region: Economics and Sociology], 2 (86), 150–174.

9. *Shekhovtseva, L.S.* (2014). Nauchnye osnovy kontseptsii tselevogo izmereniya urovnya ekonomicheskogo razvitiya regiona [The level of economic development of a region: Scientific basis to the concept of its evaluation]. *Region: ekonomika i sotsiologiya* [Region: Economics and Sociology], 2 (82), 67–80.

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