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## Budget sustainability and dynamic of the regional economic development

*The paper is devoted to some aspects of regional budget sustainability. The analysis is based on data of revenues of regional budgets of the Far-Eastern federal district. Under the review of approaches to analyzing of budget sustainability we found significant variety of definitions and methods of budget sustainability estimation. The consequence of this diversity is a mismatch of results of scientific researches. We calculated the coefficient of elasticity of tax and non-tax revenues by gross regional product in order to assess the level revenues sensitivity to changes in economic situation. Then we analyzed the dynamics of budget revenues and estimated the scale of fluctuation. The analysis showed that the budget revenues of the territories of the Far-Eastern federal district are mostly characterized by the low level of sensitivity to national trends in the economic development. The degree of their sensitivity to changes in the economic situation in the region is evaluated as high for the Republic of Sakha (Yakutia), the Kamchatka territory and the Sakhalin region. These regions differ significantly in the share of intergovernmental transfers in the income structure, which confirms the absence of direct link between the dependence of the budget on the budget regulation measures and the sensitivity of its revenues to changes in the economic situation. According to the second criterion, the highest risk of reducing sustainability is typical for the Sakhalin region and the Chukotka autonomous region. We share the opinion that complex economic development remains the most important measure for providing of budget sustainability. The results of the study can be used in the educational sphere and become a basis of further investigation devoted to the budget sustainability.*

**Keywords:** regional budget (budget of constituent entity of the Russian Federation), budget revenues, tax revenues, budget sustainability, the Far-Eastern federal district.

### References:

1. Bozhechkova A. V., Mamedov A. A., Sinelnikov-Murylev S. G., Turuntseva M. Yu. Stabilization properties of transfers allocated to regions of Russia from the federal budget. M.: Publishing house of Ying-ta Gaidar, 2018, vol. 173P Scientific works. 68 p. (In Russian).
2. Buklanov D. A. Research of the stability of tax revenues of the budgetary system of the Russian Federation with the help of elasticity coefficients *Sovremennyye fundamental'nyye i prikladnyye issledovaniya* [Modern fundamental and applied research], 2016, no. 4 (23), pp. 129–135. (In Russian).
3. Golovanova N. V. Interbudgetary transfers: a variety of terms and Russian practice *Finansovyy zhurnal* [Financial Journal], 2018, no. 2, pp. 24–35. DOI: 10.31107 / 2075-1990-2018-2-24-35 (In Russian).
4. Gurvich E. T., Krasnopeeveva N. A. Analysis of the relationship between incomes and expenses of Russian regional budgets *Voprosy ekonomiki* [Questions of economy], 2020, no. 2, pp. 5–29. DOI 10.32609 / 0042-8736-2020-2-5-29 (In Russian).
5. Kazakova S. M., Mikhailova A. A. Subsidization as a factor of sustainability of regional economic systems *Rossiyskiy ekonomicheskii zhurnal* [Russian economic journal], 2018, no. 2, pp. 29–37. (In Russian).
6. Kulagina O. V., Averina O. V. Assessment of the budgetary sustainability of municipalities (on the example of the municipal formation “City of Birobidzhan” of the Jewish Autonomous Region) *Vlast' i upravleniye na Vostoke Rossii* [Power and Administration in the East of Russia], 2020, no. 1 (90), pp. 16–23. DOI 10.22394 / 1818-4049-2020-90-1-16-23 (In Russian).
7. Lapushinskaya G. K., Lebedeva V. I. Possibility of assessing the tax potential of

territories using the concept of elasticity *Vestnik Tverskogo gosudarstvennogo universiteta*. Seriya: Ekonomika i upravleniye [Bulletin of the Tver State University. Series: Economics and Management], 2014, no. 4–1, pp. 107–114. (In Russian).

8. Leonov S. N. Problems of the budgetary sphere of the Far Eastern constituent entities of the Federation *Problemy razvitiya territoriy* [Problems of the development of territories], 2020, no. 1 (105), pp. 93–108. DOI: 10.15838 / ptd.2020.1.105.7 (In Russian).

9. Malkina M. Yu., Balakin R. V. Assessment of risk and profitability of tax systems based on sectoral, regional and mixed portfolios *Finansy i kredit* [Finance and credit], 2017, vol. 23, no. 47 (767), pp. 2823–2842. DOI: 10.24891 / fc.23.47 / 2823. (In Russian).

10. Nemirova G. I., Mokhnatkina L. B. Improving inter-budgetary relations as a factor in ensuring regional economic security *Voprosy regional'noy ekonomiki* [Issues of regional economics], 2018, no. 2 (35), pp. 102–108. (In Russian).

11. Prokapalo O. M., Bardal A. B., Isaev A. G., Mazitova M. G., Suslov D. V. Economic conditions in the Far Eastern Federal District *Prostranstvennaya ekonomika* [Spatial Economics], 2020, vol. 16, no. 2, pp. 142–184. <https://dx.doi.org/10.14530/se.2020.2.142-184>. (In Russian).

12. Sulzhenko V. S. Ensuring the stability of the budgetary system of the Russian Federation in the context of institutional transformations: diss. for a job. learned. Art. Cand. econom. Sciences 08.00.10 / Rostov State University of Economics, 2014. URL: <https://rsue.ru/avtoref/SulzenkoVS/SulzenkoVS.pdf> (date of access: 27.12.2020). (In Russian).

13. Uskova T. V., Galukhin A. V. Management of financial stability of the income base of regional budgets: theoretical and methodological aspects *Problemy razvitiya territoriy* [Problems of development of ter-

ritories], 2015, no. 5 (79), pp. 135–147. (In Russian).

14. Tsvetova G. V. Risks of the budgetary process: content, classification, management *Vlast' i upravleniye na Vostoke Rossii* [Power and Administration in the East of Russia], 2016, no. 1 (74), pp. 45–49. (In Russian).

15. Chistik O. F. Analysis of the relationship between the consolidated budget of the Russian Federation and the most important macroeconomic indicators *Vestnik Samarskogo gosudarstvennogo ekonomicheskogo universiteta* [Bulletin of the Samara State University of Economics], 2010, no. 9 (71), pp. 94–99. (In Russian).

16. Yashina N. I., Roganova S. Yu., Ogordova M. V., Novikova V. S., Emelyanova O. V., Efremov S. S. Formation of methodological aspects of determining the financial stability of municipalities on the basis of a score *Ekonomika i predprinimatel'stvo* [Economics and Entrepreneurship], 2018, no. 9 (98), pp. 452–456. (In Russian).

17. Yashina N. I., Kravchenko V. S., Yashin S. N. Budgetary security of regions as a factor of sustainable growth of the state *Finansovyye issledovaniya* [Financial research], 2018, no. 4 (61), pp. 120–126. (In Russian).

18. Malkina M. Yu. Assessment of the sustainability of budget revenues in the regions of the Russian Federation. *Journal of Siberian Federal University. Humanities and Social Sciences*. 2020, no. 13 (4), pp. 547–559. DOI: 10.17516 / 1997-1370-0588. (In Russian).

19. Tkacheva T., Afanasjeva L., Goncharenko L. Formation of a system of indicators of budgetary and tax safety. Proceedings of the 33rd International Business Information Management Association Conference, IBIMA 2019: Education Excellence and Innovation Management through Vision 2020.33, Education Excellence and Innovation Management through Vision 2020.2019, pp. 2635–2640.

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### Reference to the article

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