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Innovation impact analysis model in the education system (on the example of regional innovative projects)

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Abstract

© 2017. This paper elaborates an innovation impact model based on the analysis of the design of innovative projects' competitions ("single customers" (linearity) - "partnerships" (complexity)), and innovative projects' objectives in relation to changes in education features ("conforming" - "transforming"). It presents expert criticism of the innovation impact analysis model and innovation classifications in the process of approbation of the model, indicating the imperfection of the model in terms of considering the "power" of the impact of innovative projects on education features.

Keywords

Analysis, Education system, Innovation impact, Model, Regional projects

References

- [1] Chusovskaya, S.N. (2015). Innovative technologies in educational process and their impact on development of basic competencies. Modern information technologies in education. Journal 'Education and training: methods and practice', 22, 62-66
- [2] Constitution of the Russian Federation (adopted by national referendum on December 12, 1993) Retrieved October 20, 2017 from: http://www.constitution.ru/10003000/10003000-4.htm
- [3] Crowley, P.H., & Zentall, T.L. (2013), Editors. Comparative Decision Making. Oxford: Oxford University Press
- [4] Edgar, E. (2004). The Network Society: A Cross-Cultural Perspective. Cheltenham, UK; Northampton, MA: Edward Elgar Pub. Federal Law on "Education in the Russian Federation" of 29.12.2012 No 273-FL (latest revision). (2017). Retrieved October 13, 2017 from: http://www.consultant.ru/document/cons doc LAW 140174/
- [5] Fredricks, J.A., Blumenfeld, P.C., & Paris, A.H. (2004). School Engagement: Potential of the Concept, State of the Evidence. Review of Educational Research, 74(1), 59-109
- [6] Gayadeen, M. S., & Scott, Ph. W. (2014) The Innovation of Community Policing and the COPS Office: Does Diffusion of Innovation Theory Hold in a Manipulated Environment? International Journal of Police Science & Management, 16 228-242
- [7] Gorelova, G.G., & Stepanov, V.A. (2013). Innovative Technologies in Education and Social Management. Multidisciplinary scientific journal '3i: intellect, idea, innovation', 2, 35-39
- [8] Higher School of Economics. National Research University (2017, October 13). Retrieved October 20, 2017 from: https://ioe.hse.ru/monitoring/4k/monitoring
- [9] Internet Portal for Students Research Activities (2007, January 28). Retrieved October 13, 2017 from http://www.researcher.ru/methodics/nauka/a_1xizkd.htm (V.I. Slobodchikov: Innovations in education: foundations and mission)
- [10] Ivanova, S.V. (2014). Relevant e-learning experience in schools in Canada. Modern problems of science and education, 6, Appendix "Pedagogical sciences", 2-7

- [11] Jakovlev, B.P., & Zhukova, V.F. (2012). Management of innovative processes in an education system: competence and potential of the head. Scientific Journal Modern problems of science and education, 2, 3-11
- [12] Karch, A., Sean, N.-C.C., Neal, W.D., & Ann, O'M. (2016). Bowman& Policy Diffusion and the Pro-innovation Bias. Political Research Quarterly, 69, 83-95
- [13] Kenneth, F.A., Yong, Zh., & Kathryn, B. (2004). Social Capital and the Diffusion of Innovations Within Organizations: The Case of Computer Technology in Schools, Sociology of Education, 77, 148-171
- [14] Koroleva, D.O., Khavenson, T.E., & Andreeva, A.A. (2017) The National Research University Higher School of Economics, Institute of Education. Series Data of Education, 5(14), 4-1
- [15] Korpershoek, H., Harms, T., de Boer, H., van Kuijk, M., & Doolaard, S. (2016). A Meta-Analysis of the Effects of Classroom Management Strategies and Classroom Management Programs on Students' Academic, Behavioral, Emotional, and Motivational Outcomes. Review of Educational Research Volume, 86(3), 643-680
- [16] Kraft, M.A., Marinell, W.H., & Yee, D. Sh.-W. (2016). School Organizational Contexts, Teacher Turnover, and Student Achievement. American Educational Research Journal, 53(5), 1411-1449
- [17] Kuzovlev, V.P., & Khmorenkova, V.O. (2016). Methods for managing innovation processes in educational organizations during transition to FSES, or why schools are abandoning development programs. Oryol State University transactions. Edition: humanitarian and social sciences, 1(70), 199-206
- [18] Landry, Ch. (2011). The Creative City. Moscow: Klassika-I Publishing House
- [19] Malinin, V.A. (2011). School as an innovative educational complex. Innovations in education. Newsletter of the Lobachevsky State University of Nizhny Novgorod, 5, 19-21
- [20] Mintrom, M. (2001). Policy Design for Local Innovation: The Effects of Competition in Public Schooling. State Politics & Policy Quarterly, 1(4), 343-363
- [21] Now that you've thought about your learning environment, it's time to consider the content (2009). Flipped Learning. Teaching for the 21st century. October 20, 2017, from: http://jardo3.wixsite.com/flippedlearning/flip-content
- [22] Olefir, S.V. (2009). Modern school library in the context of the project draft "Our New School". Scientific support of the system of professional development. Publisher. Modern School, 1, 109-118
- [23] Pashkus, N.A. (2007). Innovations in the system of education: concept, features, approaches to comparison. Problems of Modern Economics 22, 3-11
- [24] Puzanov, K. (2012). Modern models of innovation dissemination: critical analysis. Sociology of power, 6-7(1), 82-99
- [25] RF Government Executive Orders (2017, January) Retrieved October 20, 2017, from http://www.consultant.ru/cons/cgi/online.cgi?req=doc&base=EXP&n=242634#0
- [26] Richard, F. (2005). The Rise of The Creative Class: and How It's Transforming Work, Leisure, Community and Everyday Life. Moscow: 'Klassika-XXI' Publishing house
- [27] Ronfeldt, M., Farmer, S.O., McQueen K., & Grissom, J.A. (2015). Teacher Collaboration in Instructional Teams and Student Achievement. American Educational Research Journal, 52(3), 475-514
- [28] Schumpeter, J.A. (1961 [1926]). The Theory of Economic Development, Cambridge (MA), Harvard University Press. English Translation of Theorie der wirtschaftlichen Entwicklung, 2-nd edition München und Leipzig, Duncker & Humblot. Harvard Economic Studies
- [29] See, T.P., & Hwa, A.P. (2002). The Diffusion of Information Technology in Singapore Schools: a Process Framework. New Media & Society, 4(4), 457-478
- [30] Sidenko, A.S. (2017). Specifics of managing innovative processes in educational organizations when introducing FSES. Municipal education: innovations and experiment, 1, 67-76
- [31] Sidorkin, A.M., & Mark, K. (2017). Editors Warford. Reforms and Innovation in Education. Implications for the Quality of Human Capital. Zug, Switserland: Springer International Publishing AG
- [32] Sirin, S.R. (2005). Socioeconomic Status and Academic Achievement: A Meta-Analytic Review of Research. Review of Educational Research, 75(3), 417-453
- [33] Slobodchikov, V.I. (2008). Innovative Education: Introduction to the Problem. Municipal Education: Innovation and Experiment, 6, 12-15
- [34] Thapa, A., Cohen, J., Guffey, Sh., & Higgins-D'Alessandro, A. (2013). A Review of School Climate Research. Review of Educational Research, 83(3), 357-385
- [35] Tolstikh, E.O., Shkarupeta, E.V., & Shishkin, V.A. (2017). The effects of innovative changes influence on social and economic processes of the region development. Journal of the Voronezh State University of Engineering Technology, 79(1-71), 367-373
- [36] Volkov, V.N. (2015). Analysis of changes in school management practices (based on the contests of innovative products). Bulletin of the Pushkin Leningrad State University, 3(4), 91-99
- [37] Volkov, V.N. (2016). The issue of exploring changes in school education. Bulletin of the Cherepovets State University, 3(72), 75-81

- [38] Voronina, T., Molchanova, O., & Abrameshin, A. (2004). Management of innovations in the field of education. Higher education in Russia 6, 2-12
- [39] Yurchuk, O.A. (2015). Coaching teachers in innovative product development in the logic of humanitarian approach. Pedagogical Review, 1(7), 65-72