

Classification, Distribution and Production of Knowledge: Theoretical Summary

Abstract. The paper is devoted to systemizing the main theoretical approaches to classification, distribution and production of knowledge in the global economy. The author focuses on F. Machlup's knowledge classification and the concept of useful knowledge by J. Mokyr.

The interpersonal and public channels of communication and acquisition of knowledge are observed taking into consideration the total changes caused by transition from industrial to postindustrial economy. The paper provides a comparative analysis of the given model and alternative concepts of knowledge generation: finalization of science, strategic research, post-normal science, academic capitalism, post-academic science, and the triple helix concept.

The author maintains that the current concepts of knowledge generation reflect the fact of transformation of modern institutional technical environment due to the global technological changes, and increasing contribution of knowledge to the economic development. Accordingly, the roles of the main participants of the given process are changing along with the growing integration of education and science, state and businesses.

Keywords: global economy, technological development, economy of knowledge, education economy, economic theory.

References

1. Vlasova N. Yu., Chupin R.A. On the evolutionary character of world economic development new paradigm [Text]// *Obrazovanie. Nauka. Nauchniye kadry.*-M.- 2012.- №4.- P.147-155
2. Dezhina I., Kiseleva, V. State, Science and Business in Russian's Innovation [Text]/IET.-2008.P.24
3. Information for sustainable natural resources management: Key points for reformers in eastern Europe, Caucasus and Central Asia: [Electronic Resource].-Access mode: [http://www.oecd.org/env/outreach/2011 Information%20for%20SRM%20in%20EECCA RUS.pdf](http://www.oecd.org/env/outreach/2011%20Information%20for%20SRM%20in%20EECCA%20RUS.pdf)
4. Maltsev A.A., Bederak D.A. Theoretical Approaches to the Analysis of Uneven Development of Global Economy [Text]// *Izvestiya of Urals State University of Economics* .-2011.-№6 (38).P.148-154
5. Mokyr J. The gifts of Athena. Historical Origins of the Knowledge economy [Text]/Princeton university press.-2002.-P.14-28
6. Mokyr J. The Knowledge society: theoretical and historical unferprintings:[Electronic resource].-Access mode: <http://unpan1.un.org/intradoc/groups/public/documents/un/unpan011777.pdf>
7. Audretsch D.B., Feldman M. Knowledge spillovers and the geography of innovation [Text]/ *Handbook of urban and regional economics.*Vol.4.Elsevier-2003.
8. Autant-Bernard, C., Massard N. Underlying mechanism of knowledge diffusion [Text]/IAREG Working papers 4.7.-2009.
9. Calvert J., Martin B. Changing conceptions of basic research? :[Electronic resource].-Access mode: <http://www.oecd.org/science/sci-tech/2674369.pdf>

10. Hessels L.K., van Lente H. Re-thinking new knowledge production: A literature review and a research agenda:[Electronic resource].-Access mode: http://www.academia.edu/205562/Re-thinking_new_knowledge_production_A_literature_review_and_a_research_agenda
11. Klarl T. Knowledge diffusion and knowledge transfer: two sides of the medal [Text]/ Centre for European economic research.-2009.
12. Kraak A. Changing modes: a brief overview of the Mode 2 knowledge debates and its impact on South Africa policy formulation [Text]/Human science research. Pretoria.-2000.P.9-19
13. Kronh W. van den Daele W. Science as an Agent of Change: Finalization and Experimental Implementation:[Electronic resource].-Access mode: [http://www.uni-bielefeld.de/\(en\)/ZIF/FG/2006Application/PDF/Krohn%20and%20van%20den%20Daele_essay.pdf](http://www.uni-bielefeld.de/(en)/ZIF/FG/2006Application/PDF/Krohn%20and%20van%20den%20Daele_essay.pdf)
14. Machlup F. Knowledge: it's creation, distribution, and economic significance. Vol. I: Knowledge and knowledge production [Text]/ Princeton university press.-1980.-P.10
15. Machlup F. The production and distribution of knowledge in the United States [Text]/ Princeton university press.-1962.-P.21-22
16. Marshall A. Principles of economics [Text]/London. 8th Edition.-1920.-P.225
17. Nowotny H., Scott P, Gibbons M, `Mode 2' Revisited: The New Production of Knowledge [Text]//Minerva.Vol.41.No3.Springer.2003.P.179-194
18. Peri, G. Knowledge Flows, R&D Spillovers and Innovation [Text]/ Centre for European economic research.2003. P.5.
19. Smith M.J. Producing and Consuming Knowledge: The Relevance of the "New production of knowledge debate" for Disciplinary and Transdisciplinary Social Science:[Electronic resource].-Access mode: <http://www.lancs.ac.uk/ias/events/general07/docs/interdisc/interdisc-Smith-Knowledge.pdf>
20. Ziman J. «Postacademic science»: Constructing knowledge with networks and norms:[Electronic resource].-Access mode: [http://tudelft.nl/fileadmin/UD/MenC/Support/Internet/TU%20Website/TU%20Delft/Homepage_TU_Delft/Onderzoek/Graduate_School/Ziman -_Postacademic_science.pdf](http://tudelft.nl/fileadmin/UD/MenC/Support/Internet/TU%20Website/TU%20Delft/Homepage_TU_Delft/Onderzoek/Graduate_School/Ziman_-_Postacademic_science.pdf)