Development of Human Resources of Agro-Industrial Complex

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Abstract

The article investigates the distinctive features of the development of human resources of agro-industrial complex (AIC). The study determined the categorical nature of human resources, as a whole, and the author's vision of the resource capacity of AIC was offered, in particular. The detailed analysis of the development of human resources of AIC in Ukraine, Kazakhstan, Russia and Belarus through the prism of the study of the features of life, well-being and safety of the rural population was carried out. Particular attention is paid to the problems of staffing of AIC of the leading countries of the world, including EU countries. The results obtained allowed to establish the fact of the indirect identity of the main factors of reduction of the rural population in the considered post-Soviet republics and the depopulation of rural areas in the EU. On this basis, at the conceptual level the key tasks were identified, which resolution, as for Russia, Kazakhstan, Ukraine and Belarus, and for Europe, make prospects of development of human resources of AIC. Taking into consideration peculiarities of AIC of Russia, as well as specific, national problems of rural development, the article developed the concept of development of human resources of AIC of Russia. Apart, within the concept, measures for training and retraining of workers for agricultural enterprises of Russia were allocated, as well as a model of balancing supply and demand in the labor market in order to determine the number of specialists of specific specialities necessary for the development of AIC in the region was offered.

Keywords: agro-industrial complex; human resources; development; Russia; Kazakhstan; Ukraine; Belarus; EU

JEL Classification: R 13; R 23

Introduction

The current state of development of the society which is characterized by the crisis phenomena in economy, social contradictions requires close attention to a question of reproduction and development of personnel potential, especially

in agrarian and industrial complex. In the conditions of the market relations, the agrarian sector is considered as a key in the processes of revival of all national economy, as well as in rising the standard of living and welfare of the population (Rockstram 2017).

World experience surely proves that today there is no alternative to the innovative and intensively way of development of agricultural industry which predetermines essential growth of requirements to skill level, professional skills, intelligence of specialists-landowners (Ruan 2017). In this context it is important to consider dynamics of changes in the needs of a human capital in agrarian production which is characterized by its reducing in developed countries as a result of implementation of intensive technologies based on the high-productive equipment.

Thus, the number of able-bodied rural population in the leading countries of the world since 1950 to 2015 has decreased from 137 to 32.5 million people or more than by 4 times, and in France and Germany practically by 8 times (Skinner, Hanlon 2015). Besides each able-bodied person, occupied in the village, in the developed countries has developed in 2015, on average 28.6 t of grain, nearly 3.3 t of meat and 12 t of milk against respectively 995,123 and 217 kg in developing countries (Agriculture, Rural Development, Food and Drug Administration, and related agencies appropriations bill, 2016).

At the same time, it should be noted that, despite such essential gap, modern practice of work with personnel of AIC in the states with transformational economy, which inefficiency is obvious, did not undergo radical changes. Thus, for example, after the collapse of the USSR in the conditions of insufficiently reasonable, quite often spontaneous reforming of AIC, a significant amount of the most qualified specialists of agricultural industry in the CIS countries passed to work in other industries, or emigrated abroad. Today in the post-Soviet republics against the background of reducing number of a rural population there is deterioration in high-quality composition of human resources, qualification and educational and cultural level of the population, performance of social labor. Those specialists, who remained in the village, lost substantially their qualification level; only their small part undergoes retraining in these or those forms.

Thus, in view of the foregoing, there is no doubt that for development of the main directions of agricultural policy it is necessary to develop new approaches to issues of staffing and development of human resources of AIC. Especially this question is urgent for CIS countries and other developing countries, as in conditions of scarcity of financial resources and impossibility in short terms to restore material and technical base, human resources becomes one of the main and most effective factors of stabilization and development of AIC.

Thus, the above facts cause the choice of the topic for research, confirm its theoretical and practical significance, as well as define the conceptual basis of the conducted research and appropriate tools of scientific knowledge.

Conclusion

This study presents the results of labor migration processes analysis in South Korea, including mobility indicators and the structure of expatriation. The importance and relevance of the issues of expatriate management in the international companies are examined and analyzed based on the industry field of South Korean companies. Static information was used to obtain the results, and questionnaire survey was conducted on the basis of a competency-based approach to the management of the international companies.

The research results confirm the hypotheses suggested, and develop the theoretical and practical provisions of earlier studies conducted by Kraeh, Froese, and Park (2015), Dowling, Festing, and Engle (2008), Kim (2013), Self, Self and Bell-Haynes (2011).

Interesting results were found in the research field reflecting the different levels of importance of competences in Korean companies on the part of managers and expatriates. The modern theoretical concepts of global human resources management, labor mobility and expatriation are analyzed, and the conducted study reflects the possibility of applying a competency-based approach to managing labor mobility. Various forms of expatriation, as well as strategies for managing human resources in an international company, and their impact on the processes of managing labor mobility have been discussed. Trends in the development of labor mobility in South Korea have been analyzed, tendencies of increasing the number of expatriates in Korean companies and the growing interest of Korean managers in shaping new strategies for expatriate management have been revealed.

This research has several limitations: first, the data for the last 2 years were used; secondly, two major international corporations of South Korea were chosen as the object of research; thirdly, two groups of personnel – expatriates and local managers – were chosen as the target group for the questionnaire survey. These limitations allow for further research on this subject, and the results obtained are possible for theoretical and practical application in the territory of other countries.

The result of the study is a new approach to expatriate management in the South Korean companies, which is provided by author. Further research will be devoted to the motivation of expatriates and a comparative analysis of the factors influencing the trends of expatriation in different countries.

References

- [1] Adams, R.H. 2003. International Migration, Remittances, and the Brain Drain. A Study of 24 Labor Exporting Countries. Policy Research Working Paper 3 069. The World Bank, Poverty Reduction and Economic Management Network, Poverty Reduction Group. Available at: https://openknowledge.worldbank.org/bitstream/handle/10986/18161/multi0page.pdf (accessed June 7, 2017).
- [2] Adler, N.J., and Bartholomew, S. 1992. Managing globally competent people. *Academy of Management Executive*, 6: 52–65.
- [3] Al Ariss, A., Cerdin, J.L., and Brewster, C. 2015. International migration and international human resource management. M. Dickmann, C. Brewster and P.R. Sparrow, *Contemporary HRM Issues in Europe, 3rd Edition*. London: Routledge.
- [4] Anderson, B.A. 2010. Expatiate selection: Good management or good luck? *International Journal of Human Resource Management*, 16(4): 567–583.
- [5] Belderbos, R.A., and Heijltjes, M.G. 2005. The determinants of expatriate staffing by Japanese multinationals in Asia: Control, learning and vertical business groups. *Journal of Internal Business Studies*, 36(3): 341–354.
- [6] Carlson, L. 2005. Complications abound in managing expatriate benefits. *Employee Benefit News*, 19(1): 28–39.
- [7] Cerdin, J.L., and Selmer, J. 2014. Who is a self-initiated expatriate? Towards conceptual clarity of a common notion. *International Journal of Human Resource Management*, 25(9): 1281–1301.

- [8] Cohen, D., and Soto M. 2001. Growth and Human Capital: good data, good results. OECD Development Centre WP (179). Available at: http://www.oecd.org/dataoecd/33/13/2669521.xls (accessed March 1, 2017).
- [9] Doudeijns, M., and Dumont J.C. 2003. Immigration and labor shortages: evaluation of needs and limits of selection policies in the recruitment of foreign labor. OECD-EU conference on "The Economic and Social Aspects of Migration", January 21–22, in Brussels, Belgium. Available at: http://www.oecd.org/dataoecd/13/59/15474016.pdf (accessed March 12, 2017).
- [10] Dowling, P.J., Festing, M., and Engle, A.D. 2008. *International Human Resource Management: Managing People in a Multinational Context. 5th Edition.* London: Engage Learning EMEA.
- [11] Ehrenberg, R.G., and Smith, R.S. 2013. *Modern Labor Economics: Theory and Public Policy: 12th Edition*. Pearson Education.
- [12] Flatau, P. 2002. Hicks' The Theory of Wages: Its place in the history of neo-classical distribution theory. *Journal of Economic Literature Classifications*, 23–39.
- [13] Forstenlechner, I. and Rutledge, E. 2010. Unemployment in the Gulf: time to update the "social contract". Middle East Policy, 17(2): 38–51.
- [14] Froese, F.J. 2012. Motivation and adjustment of self-initiated expatriates: the case of expatriate academics in South Korea. *The International Journal of Human Resource Management*, 23: 1095–1112.
- [15] Giles, C., and Allen, K. 2013. Southeastern shift: The new leaders of global economic growth. Financial Times.
- [16] Kang, H., and Shen, J. 2014. International human resource management policies and practices of South Korean MNEs: a review of the literature. *Asia Pacific Business Review*, 20(1): 42–58. DOI: http://dx.doi.org/10.1080/13602381.2012.711670 (accessed May 5, 2017).
- [17] Kim, E. 2013. Corporate Korea's hot import: foreign professionals. *White Papers*, Available at: http://www.dhr.international.com/insights/corporate-koreas-hot-import-foreign-professionals/ (accessed May 3, 2017).
- [18] Kraeh, A., Froese, F.J., and Park, H. 2015. Foreign professionals in South Korea: Integration or alienation? In D'Costa, A. (Ed.), *After Development Dynamics*. Oxford University Press.
- [19] McCaughey, D., and Bruning, N.S. 2005. Enhancing opportunities for expatriate job satisfaction: HR strategies for foreign assignment success. *Human Resource Planning Society*, 28(2): 21–29.
- [20] Morozova, O.I., and Torgashev, D.N. 2014. Organization and management monitoring of socio-labor relations in the system of Russian management. *Contemporary Economic Issues*, 1, DOI: http://economic-journal.net/index.php/CEI/article/view/94/81 (accessed July 1, 2017).
- [21] Myloni, B., Harzing, A.W.K., and Mirza, H. 2004. Host country specific factors and the transfer of human resource management practices in multinational companies. *International Journal of Manpower*, 25(1): 518–534.
- [22] Peltokorpi, V., and Froese, F.J. 2012. Differences in Self-Initiated- and Organizational Expatriates' Cross-Cultural Adjustment, In Andresen, M., Al Ariss, A., Walther, M., Wolff, K. (Eds.), Self-Initiated Expatriation: Individual, Organizational, and National Perspectives, 90–104. Routledge.
- [23] Punccino, S. 2007. Worldwide practices and trends in expatriate compensation and benefits. *Benefits & Compensation Digest*, 44(1): 34–38.
- [24] Punnett, B.J. 2004. *International Perspectives of Organizational Behavior and Human Resource Management*. Armonk, New York: M.E. Sharpe.
- [25] Richard, H.D. 1974. Expatriate selection: Insuring success and avoiding failure. *Journal of International Business Studies*, 5(1): 25–37.

- [26] Rock, D. (2009). Your Brain at Work: Strategies for Overcoming Distraction, Regaining Focus, and Working Smarter All Day Long. *Harvard Business Review*, 79–99.
- [27] Salamin, X., and Davoine, E. 2015. International adjustment of female vs male business expatriates. A replication study in Switzerland. *Journal of Global Mobility*, 3(2): 183–212.
- [28] Schwartz, J., Bersin, J., and Pelster, B. 2014. Global Human Capital Trends 2014 survey. Deloitte University Press. Available at: https://dupress.deloitte.com/dup-us-en/focus/human-capital-trends/2014/human-capital-trends-2014-survey-top-10-findings.html (accessed May 15, 2017).
- [29] Self, R., Self, D.R., and Bell-Haynes, J. 2011. Intercultural Human Resource Management: South Korea and The United States. *International Journal of Management & Information Systems*, 15(1): 41–48.
- [30] Vaiman, V., and Brewster, C. 2015. How far do cultural differences explain the differences between nations? Implications for HRM. *International Journal of Human Resource Management*, 26(2): 151–164.
- [31] Vinogradova, N.A. 2015. Methods of evaluation of social development. *Contemporary Economic Issues*, 1, DOI: <u>10.24194/11506</u>. Available at: http://economic-journal.net/index.php/CEI/article/view/123/106 (accessed July 5, 2017).
- [32] Wallerstein, I. 1976. The Modern World-System: Capitalist Agriculture and the Origins of the European World-Economy in the Sixteenth Century. New York: Academic Press.
- *** KOSTAT. 2017. Available at: http://kostat.go.kr/portal/eng/pressReleases/ (accessed March 2, 2017).
- *** OECD. 2001. The Well-being of Nations: The Role of Human and Social Capital. Paris: OECD Centre for Educational Research and Innovation.
- *** OECD. 2017. Labor productivity forecast (indicator). DOI: 10.1787/cb12b189-en (accessed March 12, 2017)
- *** World Bank national accounts data. 2017. Available at: http://databank.worldbank.org/data/reports (accessed March 2, 2017).
- *** World of Work Report 2014: Developing with jobs. 2nd Ed. rev. Geneva: International Labour Office, 2014.



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