PROSPECTS FOR THE DEVELOPMENT OF THE KBR IN THE CONTEXT OF THE INTRODUCTION OF DIGITAL TECHNOLOGIES IN AGRICULTURE

O.Z. ZAGAZEZHEVA, S.Kh. SHALOVA

Kabardino-Balkarian Scientific Center of the Russian Academy of Sciences 360002, Russia, Nalchik, 2 Balkarov street

Abstract. The article discusses the prospects for the transformation of the level of the digital economy in the context of the development of the agricultural sector of the KBR. Also, the authors study the specifics of the functions of agriculture in the KBR and analyze its current state. The stages of the introduction of new technologies in achieving the goal are investigated. The article identifies the main trends that make it possible to predict leadership positions in specific products. Critical risks of the digitalization are also stated.

Keywords: digitalization, digital economy, transition to the new stage, robotization of agriculture, digital technologies, agricultural machinery, human resources, implementation of drones for usage of in agricultural operations, social and economic consequences

REFERENCES

- 1. Shalova S.Kh. Review of the intellectual habitat for agricultural production in the context of digital transformations. Perspective systems and management tasks: materials of the XV All-Russian scientific-practical conference and the XI youth school-seminar "Management and processing of information in technical systems". *Yuzhnyj federal'nyj universitet. Rostov-na-Donu; Taganrog: Izdatel'stvo YUFU* / Southern Federal University Publishing House, 2020. Pp. 157–163. (In Russian)
- 2. Shalova S.Kh., Zagazezheva O.Z. Review of the market of agricultural robots and their impact on economic development. *Izvestiya YUFU*. *Tekhnicheskiye nauki* [Izvestia SFedU. Technical science]. 2019. No. 7 (209). Pp. 57–70. (In Russian)
- 3. Shalova S.Kh., Zagazezheva O.Z. Prospects for the development of rural areas based on the use of digital technologies. *Izvestiya Kabardino-Balkarskogo nauchnogo tsentra RAN* [News of the Kabardino-Balkarian Scientific Center of RAS]. 2021. No. 5 (103). Pp. 21–32. (In Russian)
- 4. Golubetskaya N.P., Gribanov Yu.I., Repin N.V. Transformational processes: from industrial to digital economy. *Ekonomika i upravleniye* [Economics and Management]. 2018. No. 2 (148). Pp. 29–35. (In Russian)
- 5. Gribanov Yu.I. Methodology for the formation of a digital core of intersectoral integration. *Sovremennaya nauka: aktual'nyye problemy teorii i praktiki. Seriya: Ekonomika i pravo* [Modern Science: actual problems of theory and practice. Series: Economics and Law]. Moscow, 2018. No. 4. Pp. 27–33. (In Russian)
- 6. Gribanov Yu.I. Digitalization of the National Economy: Challenges and Responsibility of Business (Public-Private Partnership). *Dinamika vzaimootnosheniy razlichnykh oblastey nauki v sovremennykh usloviyakh: sbornik statei* [Dynamics of Relationships between Various Fields of Science in Modern Conditions]. Collection of articles. Part 1. Sterlitamak: AMI, 2018. Pp. 42–50. (In Russian)
- 7. Krai K.F., Khadzhieva M.I. Economic efficiency of the introduction of innovative technologies in agriculture in the era of end-to-end digitalization. *Izvestiya Kabardino-Balkarskogo nauchnogo tsentra RAN* [News of the Kabardino-Balkarian Scientific Center of RAS]. 2021. No. 6. (98). Pp. 155–165. (In Russian)

- 8. *Parker G.G.*, *Alstyne Marshall W.V.*, *Choudary S.P.* Platform Revolution: How Networked Markets Are Transforming the Economy and How to Make Them Work for You. 2016. 256 p.
- 9. Gribanov Yu.I. *Tsifrovaya transformatsiya sotsial'no-ekonomicheskikh sistem na osnove razvitiya instituta servisnoy integratsii* [Digital transformation of socio-economic systems based on the development of the institute of service integration]: Dissertation for a degree of Doctor of Economics. St. Petersburg, 2019. (In Russian)

Information about the authors

Zagazezheva Oksana Zaurovna, Candidate of Economic Sciences, Head of the Engineering Center, Kabardino-Balkarian Scientific Center of the Russian Academy of Sciences;

360004, Russia, Nalchik, 37-a I. Armand street;

oksmil.82@mail.ru, ORCID:0000-0003-0903-4234

Shalova Satanei Khautievna, Researcher, Engineering Center, Kabardino-Balkarian Scientific Center of the Russian Academy of Sciences;

360004, Russia, Nalchik, 37-a I. Armand street; satanei@mail.ru, ORCID:0000-0003-2345-1309