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STATE AND PROSPECTS FOR DEVELOPMENT IN CIRCUMSTANCES IN THE WORLD

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Annotation. *The article explores the essence and content of cryptography as a special kind of electronic money. The types of the most popular crypts and their course are considered. The process of development of electronic money (crypto-currency) is described. These prospects for further development of cryptography.*

Key words: *crypto-currency, bitcoin, electronic money, digital currency, virtual currency, money market, cryptographic market.*

The article is devoted to the study of the essence and content of cryptography, as a special type of electronic money, the characteristics of the process of development of electronic money (crypto-currency) and prospects for the further development of crypto-currency. It should be noted that currently electronic money is not endangering financial stability, given their limited ties to the real economy, low trading volumes and the lack of widespread recognition of users. Nevertheless, development must be carefully monitored, as the situation may change significantly in the future.

The authors pay attention to the popularity and use of cryptographic in European countries. Also analyzed is the crypto exchange rate for 2016—2018 years.

The article presents the main advantages and disadvantages, such as the lack of a single digital bank and transaction control, and a decentralized approach to the benefits of cryptography. To the disadvantages noted the high tendency of price volatility due to the specific use and lack of regulatory mechanisms that do not provide guarantees for the preservation of electronic cryptograms. However, despite all the advantages and diversity of the

distribution of bitcoins, their prospects are rather ambiguous. The authors believe that while the only decision on the future development strategy of cryptology in the world does not exist, but the development and establishment of crippling goods in different countries of the world is not in place and is increasingly being implemented every day around the world.

The study of the English company Magister Advisors, which deals with M & A technology in the technology sector, has been reviewed, which showed that top 100 financial companies will spend about \$ 1 billion over the next two years on projects related to an encryption system that is at the heart of any-which is crippling. Theoretically, cryptography may have a positive effect on business, since the absence of a commission in the course of transactions will allow enterprises to receive free funds that will be used for the development of production and, in general, reduce the spending part of business entities.

The high speed of operations with cryptic currencies will save time and labor and increase the dynamics of entrepreneurial activity, which will have a positive effect on the economy.

References

1. Plyta A. I. (2017, June 2). Kryptovaliuta: yii pravovyi rezhym, problemy zastosuvannya [Cryptology: its legal status, problems of application]. *Ukrainnske pravo — Ukrainian law*. Retrieved from http://ukrainepravo.com/legal_publications/essay-on-it-law/it_law_plyta_cryptocurrency [in Ukrainian].
2. CoinMarketCap (n. d.). Cryptocurrency Market Capitalizations. Retrieved from <https://coinmarketcap.com>.

3. Jacyk, T. (2017). *Young Scientist. Visnyk Kyivskoho natsionalnoho universytetu imeni Tarasa Shevchenka — Bulletin of the Taras Shevchenko National University of Kyiv*, 2, 349—353. Series: Economics. Kyiv [in Ukrainian].
4. Kryptovaliuta [Cryptocurrency]. *Vikipediia: vilna entsyklopediia — Wikipedia: Free Encyclopedia*. Retrieved from <https://uk.wikipedia.org/wiki/%D0%9A%D1%80%D0%B8%D0%BF%D1%82%D0%BE%D0%B2%D0%B0%D0%BB%D1%8E%D1%82%D0%B0>.
5. Popov, V. (2017). Shcho take kryptovaliuta? [What is a cryptographic currency?]. *Radio svoboda — Radio Liberty*. Retrieved from <https://www.radiosvoboda.org/a/details/28742278.html> [in Ukrainian].
6. Yakovlev, D. (2017, July 25). Chym platyty v maibutnomu: top-5 kryptovaliut svitu [What to pay in the future: the top 5 creeps the world?]. *Mind — Mind*. Retrieved from <https://mind.ua/openmind/20174702-qandampa-chim-platiti-v-majbutnomu-top-5-kriptovalyut-svitu> [in Ukrainian].
7. Abramowicz, M. (2015, August 28). Cryptocurrency-Based Law. GWU Law School Public Law Research Paper 2015-9; GWU Legal Studies Research Paper No. 2015-9. Retrieved from <http://ssrn.com/abstract=2573788> or <http://dx.doi.org/10.2139/ssrn.2573788>.
8. Polyvka, N. (2017). Kryptovaliuty i «riznomanitni bitkoiny» [Kriptovalyuty and «various Bitcoins»]. *Yurydychna hazeta online — Legal newspaper online*. Retrieved from <http://yur-gazeta.com/publications/practice/informacyne-pravo-telekomunikacyi/kriptovalyuti-i-riznomanitni-bitkoini.htm> [in Ukrainian].
9. Issledovaniye Kembridzha: kriptovalyuty ispolzuyutsya vse aktivnee [Cambridge Research: Cryptographic Valuables are Used More and More]. (2017, April 10). *Today news — Today news*. Retrieved from <http://today-news.com/News/cryptocurrency/Issledovanie-Kembridzha-kriptovalyuty-ispolzuyutsya-vse-aktivnee-78914.html> [in Russian].
10. Shcho take bitkoin? [What is bitcoin]. (2015, August 7). *Invest program — Invest program*. Retrieved from <http://invest-program.com.ua/shho-take-bitkoin> [in Ukrainian].
11. Shcho take bitkoin i shcho z nym robyty [What is a bitcoin and what to do with it]. (2017, September 8). *Minfin — Minfin*. Retrieved from <https://minfin.com.ua/ua/2017/09/08/29882733> [in Ukrainian].
12. Kurs Bitcoin [Course Bitcoin]. (n. d.). Retrieved from <http://charts.finance.ua/ua/currency/bitcoin/-/1/btc>.
13. Pravomirnist vykorystannia v Ukraini «virtualnoi valiuty/kryptovaliuty» Bitcoin : ofitsiine roziasnennia Natsionalnoho banku Ukrainy vid 10.11.2014 [Legality of use of «virtual currency / crypto-currency» in Ukraine «Bitcoin: official explanation of the National Bank of Ukraine» from 10.11.2014]. *Ofitsiynyi sait Natsionalnoho banku Ukrainy — Official site of the National Bank of Ukraine*. Retrieved from <http://www.bank.gov.ua>.
14. Zhuravka, F. O., Koldovskiy, A. V. (2011). Problemni aspekty suchasnoho rozvytku valiutnoho rynku Ukrainy [Problematic aspects of modern development of the foreign exchange market of Ukraine]. *Problemy i perspektyvy rozvytku bankivskoi systemy Ukrainy: zb. nauk. pr. — Problems and prospects of development of the banking system of Ukraine: Sb. sciences Ave*. Kyiv: DVNZ «UBS NBU» [in Ukrainian].
15. Dyrektyva 2009/110/ES Yevropeiskoho Parlamentu i Rady shchodo zapochatkuvannia ta zdiisnennia diialnosti ustanovamy — emitentamy elektronnykh hroshei ta prudentsiinyi nahliad za nymy, shcho vnosyt zminy do Dyrektyvy 2005/60/ES ta 2006/48/ ES, ta skasovuiе Dyrektyvu 2000/46/ES vid 16 veresnia 2009 r. № 994_a18 [Directive 2009/110 / EC of the European Parliament and of the Council on the establishment and activities of undertakings for issuing and managing electronic money, amending Directives 2005/60 / EC and 2006/48 / EC, and repealing Directive 2000 / 46 / EC of September 16, 2009 № 994_a18]. *zakon4.rada.gov.ua*. Retrieved from http://zakon4.rada.gov.ua/laws/show/994_a18.
16. Dubensky, V. (2015, November 10). Evolyutsiya Bitcoin. Pochemu valiuty boitsya vlast? [The evolution of Bitcoin. Why is currency afraid of power?]. *Chastnyy predprinimatel'yu Portal predprinimatelej Ukrainy — Private Entrepreneurs Portal of entrepreneurs of Ukraine*. Retrieved from <http://chp.com.ua/all-news/item/37954-evolyutsiyabitcoin-pochemu-valyuty-boitsya-vlast> [in Russian].