

## SCIENTIFIC AND CONCEPTUAL PROVISIONS OF THE ESSENCE DEFINITION OF THE CATEGORY «INFORMATION INFRASTRUCTURE»

The modern world is developing in the process of digitalization of all spheres of our society. Innovative technologies become an integral part of life and already play a key role in the organization of our work and leisure. However, most of all technologies are solely based on the use of data, information of various types, which is processed by relevant software products, the latest technologies. Today, information is not only one of the basic resources on which depends the existence, functioning of certain objects, phenomena, systems, but it is also a resource for their renewal, transformation and development.

An important role in the production of new technologies, their use and development is played by the information infrastructure, the functioning of which is to create conditions for timely and complete accumulation of data, their productive and fast processing, formulation in a proper and easy to use form. Information infrastructure, like any type of infrastructure, is a complex and multifaceted concept, because it can include various elements and components, the set of which is often determined by the object or system in which the circulation of information is studied.

Within the article, the essence of the category "information infrastructure" is analyzed. This was implemented through the study of scientific concepts of the consideration of such definitions as "information", "infrastructure". As a result, taking into consideration the approaches formed in scientific works to the consideration of the nature of information infrastructure, it is proposed to understand its content as follows: information infrastructure - a system, a separate component of the general infrastructure of the object, which contributes to the quality management of the development of an individual object, includes mechanisms for creating, transmitting, processing, storing and using information of various natures, which is formed and transmitted using software, hardware, rules and laws. Within the paper, peculiarities of the functioning of the outlined type of infrastructure are determined, its universal nature is substantiated.

**Keywords:** information; information infrastructure; infrastructure; information system; digitization.

### References

1. Abramov, S. I. (2000). *Investirovanie [Investing]*. Moscow: Tsentr ekonomiki i marketinga [in Russian].
2. Volokh, O. K. (2014). Poniattia i skladovi informatsiino-komunikatsiinoi infrastruktury [Concepts and components of information and communication infrastructure]. *Naukovyi visnyk Uzhhorodskoho natsionalnoho universytetu – Scientific Bulletin of Uzhgorod National University*, 29 (2), 4/2, 29–32 [in Ukrainian].
3. Deklaratsii pryntsyypiv «Pobudova informatsiinoho suspilstva – hlobalne zavdannia u novomu tysiacholitti» vid 12 hrudnia 2003 r. [Declaration of Principles «Building an Information Society – A Global Task in the New Millennium» of 12 December 2003] (2003). *zakon.rada.gov.ua*. Retrieved from [https://zakon.rada.gov.ua/laws/show/995\\_c57](https://zakon.rada.gov.ua/laws/show/995_c57).
4. Dovhan, O. D. (2015). Suchasna informatsiina infrastruktura Ukrainy i osnovni zavdannia shchodo yii zakhystu [Modern information infrastructure of Ukraine and main tasks for its protection]. *Yurydychna nauka – Legal Science*, 7, 64–73 [in Ukrainian].
5. Dubyna, M. V. (2018). *Mekhanizm rozvytku rynku finansovykh posluh na osnovi formuvannia instytutu doviry: teoriia, metodolohiia, praktyka [Mechanism of the financial services market development based on the formation of the institute of trust: theory, methodology, practice]*. Chernihiv: ChNTU [in Ukrainian].
6. Ivanov, E. Yu. (2003). Informatsiia kak kategoriia ekonomicheskoi teorii [Information as a category of economic theory]. *Ekonomyka – Economics*, 4 [in Russian].
7. Ivanova, A. M. (2011). Henezys poniattia «Infrastruktura rynku spozhyvchykh tovariv» [Genesis of the concept "Infrastructure of the consumer goods market"]. *Formuvannia rynkovykh vidnosyn v Ukraini – Formation of market relations in Ukraine*, 4 (119), 164–168 [in Ukrainian].
8. Melnyk, L. G. (2003). *Informatsionnaia ekonomika [Information Economics]*. Sumy, Universitetskaia knsiga [in Russian].
9. Merzliak, A. V., Kabanets, O. O. (2015). Derzhavne rehuliuвання formuvannia y rozvytku infrastruktury rynku zemel v Ukraini [State regulation of the formation and development of the land market infrastructure in Ukraine]. *Teoriia ta praktyka derzhavnoho rehuliuвання – The theory and practice of state regulation*, 4 (51), 1–9 [in Ukrainian].
10. Novykova, V. I. (2008). Rekreatsiina infrastruktura: sut poniattia, vydy, metody doslidzhennia [Recreational infrastructure: the essence of the concept, types, methods of research]. *Heohrafiia v informatsiinomu suspilstvi – Geography in the Information Society* (Vols. 1-4) (Vol. IV, pp. 163–165). Kyiv: VLH «Obrii» [in Ukrainian].

11. Pytannia diialnosti Ministerstva informatsiinoi polityky Ukrainy [Issues of activity of the Ministry of Information Policy of Ukraine]. № 2 (dated January 14, 2015). Retrieved from <http://zakon.rada.gov.ua/laws/show/2-2015-%D0%BF>.
12. Pleskach, V. L., Zatonatska, T. H. (2011). *Informatsiini systemy i tekhnolohii na pidpriemstvakh [Information systems and technologies at enterprises]*. Kyiv: Znannia [in Ukrainian].
13. Pleskach, V. L., Zatonatska, T. H. (2011). *Informatsiini systemy i tekhnolohii na pidpriemstvakh [Information systems and technologies at enterprises]*. Kyiv: Znannia. Retrieved from [https://pidruchniki.com/1137012247704/informatika/sutnist\\_ponyattya\\_informatsiyi\\_danih](https://pidruchniki.com/1137012247704/informatika/sutnist_ponyattya_informatsiyi_danih).
14. Ministerstvo yustytysii [Ministry of Justice] (n.d.). *Pravove zabezpechennia derzhavnoi informatsiinoi polityky [Legal Support for State Information Policy]*. minjust.gov.ua. Retrieved from [https://minjust.gov.ua/m/str\\_22116](https://minjust.gov.ua/m/str_22116).
15. Pro informatsiiu [About information]. № 2657-XII (02.10.1992). Retrieved from <https://zakon.rada.gov.ua/laws/term/11563:5953>.
16. Pro Kontseptsiuu Natsionalnoi prohramy informatyzatsii [On the Concept of the National Program of Informatization]. № 75/98-VR (11.08.2013). Retrieved from <https://zakon.rada.gov.ua/laws/show/75/98-vr/ed20130811>.
17. Rekunenko, I. I. (2012). Naukovo-metodychni aspekty doslidzhennia poniattia «infrastruktura» yak ekonomichnoi katehorii [Scientific and methodological aspects of the study of the concept of "infrastructure" as an economic category]. *Ekonomika i upravlenie – Economics and Management*, 3, 57–62 [in Ukrainian].
18. Savenko, R. H., Lysenko, M. V. (2013). *Informatsiini systemy ta tekhnolohii v ekonomitsi [Information systems and technologies in economics]*. Poltava: PoltNTU [in Ukrainian].
19. Safonov, Yu. M. (2013). Funktsionuvannia informatsiinykh instytutiv na finansovomu rynku [Functioning of information institutions in the financial market]. *Efektivna ekonomika – Efficient economy*, 7. Retrieved from [http://nbuv.gov.ua/UJRN/efek\\_2013\\_7\\_3](http://nbuv.gov.ua/UJRN/efek_2013_7_3).
20. Bilodid, I. K. (Ed.). (1980). *Slovyk ukrainskoi movy [Dictionary of the Ukrainian language]* (Vol. 11). Kyiv: Naukova dumka [in Ukrainian].
21. *Sovetskii entsiklopedicheskii slovar [The Soviet Encyclopedic Dictionary]* (1980-1989). Moscow: Sovetskaia entsiklopediia [in Russian].
22. Sonko, S. P., Skrynko, M. M. (2004). *Infrastruktura v umovakh tranzhytyvnoi ekonomiky [Infrastructure in a Transitive Economy]*. Kharkiv: Ekohraf [in Ukrainian].
23. Tarasenko, A. V., Dubyna, M. V. (2016). Naukovi pidkhody do identyfikatsii sutnosti katehorii «infrastruktura silskoho hospodarstva» [Scientific approaches to the identification of the essence of the category “agriculture infrastructure”]. *Upravlinnia rozvytkom – Management Development*, 1 (138), 120–127 [in Ukrainian].
24. Ursul, A. D. (1973). *Otrazhenie i informatsiia [Reflection and information]*. Moscow: Mysl [in Russian].
25. *Ekonomiiko-matematicheskii slovar: Slovar sovremennoi ekonomicheskoi nauky [Dictionary of Economics and Mathematics: Dictionary of Modern Economic Science]* (2003). (5<sup>th</sup> ed.). Moscow: Delo [in Russian].
26. Prokopenko, V. Yu. (2015). Kredytna infrastruktura: osoblyvosti vyznachennia sutnosti katehorii [Credit infrastructure: peculiarities of determining the essence of the category]. *Naukovyi visnyk Uzhhorodskoho universytetu. Seriiia «Ekonomika» – Scientific Bulletin of Uzhhorod University. Series Economics*, 1 (1(45)), 209–212 [in Ukrainian].
27. Dubyna, M. (2015). The scientific approach to the identification of the essence of the category «infrastructure». *Problems and prospects of economics and management*, (1), 31–36.
28. Gore, A., Hall, R. (n.d.). *Remarks on the Information Superhighway*. Los Angeles, California. Retrieved from <http://www.ibiblio.org/icky/speech2/html>.
29. Hanseth, O. (2002). *From systems and tools to networks and infrastructures – From design to cultivation. Towards a theory of ICT solutions and its design methodology implications*.
30. Kibirige, H. (1983). *The information dilemma: a critical analysis of information pricing and fees controversy*. Wesport.