



СУЧАСНІ ІНФОРМАЦІЙНІ СИСТЕМИ І ТЕХНОЛОГІЇ

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Хмельницький

всі дані по Майданецькому та Тальянках враховують результати досліджень тільки до 2010 року). Прийнявши значення 2000 за правильний результат, можна сказати, що похибка склала трохи менш ніж 20%. З оцінкою кількості поселень Тальянок ситуація ускладнюється тим, що площа втраченої частини поселення досить велика (до 40%), тому дані якісь адекватні значення складно. За підрахунками системи, у протомісті могло бути 2885 будівель. Порівняємо ці дані з результатами, які отримали автори статті, використовуючи для підрахунку метод середньої щільності забудови: 2484 помешкання [3]. Різниця між підрахунками обох методів складає приблизно 15%, тому обидва методи можуть видавати цілком коректні результати. Якщо є дані про об'єми міста, можна вже підраховувати приблизну кількість мешканців, площі полів, потрібних для забезпечення людей і тварин їжею, економічну потужність міста, що дозволить складати більш детальну картину трипільського світу.

Треба зазначити, що за описаною схемою може бути вирішений цілий спектр задач, з пошуку чи підрахунку невеликих контрастних елементів, далеко виходячи за рамки археологічної науки.

Перелік джерел посилання

1. Бурдо Н.Б. Відейко М.Ю. Трипільська культура. Спогади про золотий вік / Худож. – оформлювач І. В. Осипов. – Харків: Фоліо, 2007. – 415 с.
2. Енциклопедія історії України: У 10 т / Редкол. В.А. Смолій та ін. – : Київ: Наукова думка 2009. Т 6: Ла – Мі. – 784 с.
3. Мельников О. Ю., Капелешук А. О. Прикладна програма для розрахунку кількості мешканців археологічного поселення // Цифрова економіка та інформаційні технології: збірник тез міжнародної науково-практичної конференції, м. Київ, 15-16 квітня 2020 р. / Державний університет інфраструктури та технологій. – Київ : ДУІТ, 2020. – С. 48-50.

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MODERN TRENDS IN THE DEVELOPMENT OF INNOVATION PARKS

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Innovation parks have become an integral part of the modern global economic landscape. They embody the idea of collaborative work, knowledge sharing, and the creation of innovative solutions. Ukraine, like many other countries, is paying attention to the development of innovation parks as a tool to promote economic growth and technological breakthroughs. This research is dedicated to the study of innovation parks, their role in the modern world, and current trends in their development.

Innovation parks are important tools for stimulating innovation and economic development, not only in Ukraine but also around the world. It is necessary to consider and analyze current trends in the development of innovation parks, their contribution to the development of technology and innovation, as well as prospects for their development. Through the analysis of information sources, we have found that innovation parks are important sites for knowledge exchange, development of the startup ecosystem, and promotion of innovation in various industries. The current legislation in Ukraine and the world regulates their activities and promotes the development of these innovation centers.

Innovation parks, whether in the form of technology parks, science and technology parks, or other similar forms, play a significant role in creating an ecosystem by promoting innovative entrepreneurship, research and development of new technologies. Their task is to combine academic, scientific and commercial potential to jointly develop and introduce innovative ideas and products to the market. We will take a closer look at innovation parks both in Ukraine and abroad, studying their structure, functions, and achievements. We will also review the latest trends in innovation parks, such as green technology, digital innovation, and important aspects of creating a favorable innovation environment.

This research aims to reveal the importance of innovation parks for Ukraine and the world, and to help understand their important role in promoting technological development and creating new opportunities for business and science. By being informed about current trends, we will be able to better adapt our strategies and actions to the new challenges facing innovation parks in the modern world.

Among the prerequisites for the development of innovation parks are the following: technological progress; university research; investor interest; government support; and the global nature of markets. The requirements for innovation parks include the following: infrastructure; cooperation; talented workforce; financing; easy business environment; sustainability and resilience [1, 2].

An analysis of various sources, including scientific articles, research, legislation, and publications, was conducted. Scientific articles are an important source of information for analyzing innovation parks. They provide a detailed scientific approach to the topic, including a structured analysis of the development of innovation parks and their impact on the economy and society. Analytical reports conducted by governmental and non-governmental organizations provide a comparable overview of innovation parks in Ukraine and the world. They contain statistics, trends, and recommendations for further development. Legislation and regulations governing innovation parks are important sources for understanding their legal status and limitations. They also indicate ways to support and stimulate innovation [3, 4]. Various publications and online resources, including news, blogs, and official websites of innovation parks, provide up-to-date information on events and initiatives related to innovation parks, and they also point to practical examples and success stories [5-8].

The analysis of information sources was conducted to ensure objectivity and a comprehensive approach to the research topic. The sources used allowed us to confirm and emphasize the importance of innovation parks in the modern world and their role in promoting the development of new technologies and innovations. The study of innovation parks requires the use of various methods and tools, including: analysis and comparison (the method of comparative analysis is used to identify common and distinctive features of innovation parks in different countries, as well as their main parameters, such as size, structure, financing, etc.); expert surveys (interviews with experts in the field of innovation and innovation parks to obtain qualitative feedback and recommendations); case studies (study of individual innovation parks as examples for further analysis of their

In Ukraine and many other countries, there are laws and regulations governing the operation of innovation parks. Methodological approaches and existing legislation are key elements for analyzing innovation parks, their structure and functioning, as well as for understanding the context of their development in Ukraine and the world.

Let's take a look at the most famous parks in Ukraine and the world. Silicon Valley is the most famous innovation park in the world, covering the region along the west coast of the United States, including cities such as San Francisco, San Jose, Palo Alto, and others. Silicon Valley is famous for its impressive infrastructure for technological innovation and high-tech development. The Silicon Valley infrastructure includes various elements that play a key role in creating and maintaining an innovative environment: технологічні компанії (Apple, Google, Facebook, Intel, Oracle, Cisco Systems);

- Universities and research centers (Stanford University, University of California, Berkeley, and others);

- incubators and accelerators (organizations that provide financial support, mentoring, and workspace for start-ups in the field of innovation)
- cultural and public environment;
- technology parks;
- transportation infrastructure [5-6].

Let's analyze innovation parks in Ukraine. UNIT.CITY Innovation Park in Kyiv is one of the largest innovation and technology clusters in Ukraine and Eastern Europe. It is located in the Dnipro district of Kyiv and attracts innovative companies, startups, technology entrepreneurs and creative professionals. "UNIT.CITY was established in 2017. The idea was to create an innovation cluster that would bring together companies, startups, creative professionals and entrepreneurs in a common environment. "UNIT.CITY also acts as a platform for startup development. There are investment funds and accelerators that provide financial support and expert assistance to young companies. This promotes innovation and growth of technology projects. "UNIT.CITY continues to actively develop and attract new companies and innovative initiatives. The park is known for its active role in the development of technology and innovation industries in Ukraine. Cooperation with universities and research institutions is an important element of UNIT.CITY Innovation Park. This cooperation is aimed at supporting research and development, creating new technologies, and increasing the level of knowledge in technological fields [7-12].

Promprylad.Renovation is an innovation center that is being implemented on the basis of a former industrial zone and works at the intersection of four areas of regional development: education, art, new economy and urbanism. It is an impact investment project where investors simultaneously invest in social impact on the region and receive a return on investment in the form of dividends. Promprylad.Renovation is a space for bringing together creative, energetic, and motivated people who work together to develop their projects and joint initiatives. It is a center for cooperation, interaction, and exchange of experience between entrepreneurs, professionals, the city, and the public[8].

The analysis of innovation parks globally and in Ukraine allowed us to consider various approaches and models of their work, including cooperation with universities, creation of a favorable business environment, and attraction of investments. They are catalysts of innovation and important players in the development of new technologies and solving global challenges. The prospects for the development of innovation parks in Ukraine and the world are extremely promising. The growth in the number of parks, the expansion of industry areas, support for the startup ecosystem, and the green initiative demonstrate their importance for modern society. The global impact of innovation parks contributes to the development of global innovation networks and cooperation between countries.

It is important to emphasize the need for further support and development of innovation parks in Ukraine and the world. They have become key centers for the creation and development of new technologies and innovations that will determine the future of our society. Further development of innovation parks will require support from the government, investors, and active public participation. These innovation centers have the potential to become an engine for economic growth, research and development of new technologies. Their importance cannot be overestimated, and the future belongs to innovation. The issue of the prospects for the development of innovation parks in Ukraine and the world is an important and vast field for further research and discussion.

References

1. Technological parks of Ukraine: figures, facts, problems. Access mode: <https://core.ac.uk/download/pdf/87397158.pdf> (access date: 13/10/2023)
2. The role of science parks in the formation of the national innovation system. Access mode: http://www.econom.stateandregions.zp.ua/journal/2022/1_2022/9.pdf (access date: 10/13/2023)
3. LAW OF UKRAINE On innovative activity, Access mode: <https://zakon.rada.gov.ua/laws/show/40-15#Text> (date of application: 10/13/2023)