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MODERN TRENDS IN THE DEVELOPMENT OF UKRAINE'S ECONOMY UNDER GLOBAL CHALLENGES

In the early twenty-first century, national economies increasingly operate within a volatile global environment characterized by economic turbulence, geopolitical conflicts, technological disruption, and environmental constraints. For Ukraine, these global challenges are compounded by the consequences of long-term structural imbalances and the large-scale destruction caused by Russia's full-scale military aggression [9, p. 3]. As a result, the identification of modern trends in Ukraine's economic development has acquired both scientific and practical importance. Globalization has transformed the nature of economic competition, shifting emphasis toward innovation, knowledge-intensive industries, and integration into global value chains [8, p. 21]. At the same time, global crises, financial, pandemic-related, and geopolitical have highlighted the necessity of economic resilience and adaptive capacity. For Ukraine, the current stage of development represents not only a response to global challenges but also a critical opportunity to redesign its economic model in line with European and global standards [3, p. 7]. The purpose of this article is to analyze the main trends shaping Ukraine's economic development under global challenges and to identify strategic directions that may ensure sustainable growth in the medium and long term. A defining feature of the modern global economy is the intensification of interdependence among national economic systems. Globalization facilitates the diffusion of technology, capital, and knowledge but also amplifies the transmission of economic shocks [10, p. 18]. Cyclical crises, supply chain disruptions, and rising competition for resources have become structural characteristics of the global economy.

Economic theory emphasizes the cyclical nature of development and the role of innovation as a mechanism for overcoming crises. The ideas of M. Tugan-Baranovsky regarding the interaction between economic cycles, investment activity, and technological progress remain relevant in explaining contemporary transformations. His conclusion that crises can stimulate structural renewal through investment in productive capacity finds empirical confirmation in modern innovation-driven economies [7, p. 148].

For Ukraine, global challenges manifest in several dimensions:

- heightened exposure to external economic shocks;
- a technological gap with advanced economies;
- intensified competition in international markets;

• growing importance of environmental and social sustainability.

These factors necessitate a transition from an extensive, resource-based development model toward an innovation-oriented and knowledge-based economy. Innovation has become a decisive factor of competitiveness in the global economy. Countries that invest heavily in research and development demonstrate higher productivity, stronger export positions, and greater resilience to economic shocks. According to OECD data, advanced economies allocate more than 3% of GDP to R&D, while global innovation leaders exceed 4% [4, p. 12].

Ukraine's innovation system faces persistent challenges, including underfinancing of science, weak commercialization of research outcomes, and limited integration into international innovation networks [6, p. 11]. Nevertheless, innovation remains one of the most promising pathways for economic modernization, particularly in sectors such as information technology, engineering, agriculture, and renewable energy. Contemporary trends indicate a growing importance of open innovation models based on cooperation between businesses, universities, and international partners. Participation in European research programs and innovation ecosystems is essential for Ukraine to reduce its technological gap and strengthen national competitiveness [2, p. 9]. Digital transformation has emerged as a central trend in global economic development. Digital technologies increase productivity, reduce transaction costs, and enable flexible business models [9, p. 4]. Under conditions of war and systemic uncertainty, digitalization has played a crucial role in sustaining economic activity in Ukraine. The expansion of electronic public services, digital taxation, online business registration, and remote work platforms has enhanced transparency and reduced administrative barriers. These measures allowed both the state and private sector to maintain operational continuity despite infrastructure damage and security risks [6, p. 27]. The Ukrainian IT sector has become a strategic pillar of economic resilience, remaining one of the country's largest export-oriented industries even during wartime [10, p. 55]. This confirms that digital transformation is not only a tool of modernization but also a key factor of economic stability. A practical illustration of modern economic trends in Ukraine can be observed in the development of the IT services sector during the period of full-scale military aggression. Despite significant disruptions, the sector has demonstrated high adaptability and export resilience. Ukrainian IT companies rapidly transitioned to remote work formats, cloud-based infrastructure, and geographically distributed teams. Many firms relocated employees to safer regions or abroad while preserving contractual relationships with international clients. As a result, IT service exports remained one of the main sources of foreign currency inflows during 2022–2024 [6, p. 31]. A key factor of resilience was the interaction between private businesses and state digital infrastructure. The availability of digital identity systems, electronic tax

administration, and online public services significantly reduced transaction costs and enabled uninterrupted business operations [9, p. 19]. This hybrid digital ecosystem strengthened trust between the state and business and supported economic continuity under crisis conditions.

This case confirms that investment in human capital, digital skills, and global integration enables firms to remain competitive even under extreme uncertainty. One of the most distinctive features of Ukraine's current economic development is the large-scale transformation of business activity under wartime conditions. Enterprises have been forced to relocate production facilities, reorganize logistics, and revise strategic priorities. State-supported relocation programs and public–private partnerships have mitigated negative effects and preserved employment [5, p. 88]. These processes have accelerated structural shifts within the economy, increasing the role of small and medium-sized enterprises, service industries, and technologically flexible sectors. Business adaptability, strategic planning, and institutional support have become decisive competitive advantages. European integration remains a central strategic priority for Ukraine's economic development. Alignment with EU standards in competition policy, environmental regulation, digital governance, and corporate transparency creates a framework for sustainable growth and modernization [2, p. 23]. Integration into the European market expands export opportunities, facilitates technology transfer, and enhances institutional quality. Simultaneously, it imposes higher requirements for product quality and sustainability, stimulating structural upgrading of the national economy. Post-war recovery represents one of the most complex economic challenges in Ukraine's modern history. According to international assessments, total economic losses amount to hundreds of billions of US dollars, with extensive damage to infrastructure, housing, and industrial capacity [10, p. 5]. However, reconstruction also creates an opportunity to implement a new development model based on modern technologies, energy efficiency, and sustainable practices. Priority areas include infrastructure modernization, renewable energy, high-value-added manufacturing, and human capital development [5, p. 11].

International financial assistance, foreign direct investment, and institutional reforms will be critical to ensuring effective recovery and long-term growth [1, p. 4].

Conclusions. Ukraine's economic development under global challenges is characterized by deep structural transformations driven by innovation, digitalization, and institutional adaptation. While war and global instability have intensified risks, they have also accelerated modernization processes. Modern trends indicate a gradual transition toward an innovation-oriented, digitally enabled, and European-integrated economic model. The success of this transition depends on consistent state policy, investment in research and human capital, and the development of resilient business ecosystems.

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