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GLOBAL STRATEGIC LANDSCAPE OF ARTIFICIAL INTELLIGENCE ECONOMY

PANTIELIEIEVA Natalia,

*Doctor of Economic Sciences, Professor,
Head of the Department of Finance and Accounting,
Territorially separated structural unit
«Cherkasy Educational-Scientific Department of
Ivan Franko National University of Lviv»
ORCID ID: <https://orcid.org/0000-0001-6457-6912>*

LAKUTIN Dimitrii,

*Student of Bachelor's degree,
Territorially separated structural unit
«Cherkasy Educational-Scientific Department of
Ivan Franko National University of Lviv»
ORCID ID: <https://orcid.org/0000-0002-5797-6202>*

Abstract. *The prerequisites are substantiated, the world experience of adopting national strategies in the field of artificial intelligence is studied. A comparative analysis of the content of the artificial intelligence strategies of the world's leading countries is carried out, the basic directions and principles that will shape the economy of artificial intelligence are highlighted. Attention is focused on the importance of the role and participation of the state, the need to build institutional and strengthen digital infrastructure, ensure legislative regulation and funding, apply new approaches to measuring the effectiveness of artificial intelligence strategies in terms of economic and strategic advantages, as well as predicting possible social and ethical negative consequences. The basic aspects, external and internal factors of acceptance and implementation of the concept of artificial intelligence in Ukraine are outlined.*

Key words: *sustainable development, innovations, digital transformation, artificial intelligence, artificial intelligence strategy, artificial intelligence economy.*

The article clarifies the peculiarities of the formation of the strategic landscape of the AI economy in terms of the economies of the countries of the world. The interpretation of the concept of "AI" formed by the authors is based on studying the works of scientists and their vision. The prerequisites for the adoption of AI technology are determined - on the one hand, the desire to meet modern trends of technological progress, and on

the other hand, the general deterioration of the state of the world economy in the third decade of the XXI century.

A comparison of the AI Readiness Index by world governments is presented. In 2020, the top 5 countries were the USA, the United Kingdom, Finland, Germany, and Sweden. Based on the study of such a rating, the leaders are the countries of North America and Western Europe.

The article summarizes the results of the study of the national strategies of about 50 countries of the world and singles out the main areas of AI, the development of which will have a positive impact on the economy of the countries - transport, finance, ecology, health care, national security, and the agricultural sector. Considerable attention is paid to the study of the role of the governments of countries that widely implement AI in the spheres of the economy - the government is the author of transformational changes, attracts investments, deepens public-private partnerships to accelerate innovations, etc.

The basic approach to measuring effectiveness is to determine the growth level of the country's GDP with the long-term use of AI. The positive effect of the introduction of AI is expected in the growth of world GDP in 2030 by 14%, that is, almost 16 trillion US dollars.

Considerable attention was paid to the study of the Ukrainian national AI strategy, the plan of which was approved in 2021. Its main areas are education, science, economy, cyber security, information security, defense, public administration, legal regulation, and justice. In addition, the principles that should guide the government in the concept implementing process are proposed.

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