



INFORMATION PLATFORM "CENTER FOR INNOVATIVE THINKING"  
UKRAINIAN INSTITUTE OF SCIENTIFIC STRATEGIES  
EUROPEAN UNION RESEARCH DEPARTMENT  
SCIENTIFIC AND PUBLISHING CENTER "PROGRESS"

# BRITISH-UKRAINIAN ACADEMIC CONGRESS

PROCEEDINGS OF THE INTERNATIONAL SCIENTIFIC  
AND PRACTICAL CONFERENCE

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# ECONOMIC THEORY, MACRO- AND REGIONAL ECONOMY

UDC 311:330.342:338.246

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## STATISTICAL STUDY OF INFLATION INDICATORS IN UKRAINE IN THE SYSTEM OF MONITORING SUSTAINABLE DEVELOPMENT GOALS

**Abstract.** The theses provide a methodological substantiation of the necessity to systematically analyse inflation indicators in Ukraine within the framework of Sustainable Development Goals (SDGs) monitoring. It is argued that price stability indicators constitute a critical component of both sustainable development assessment and national economic security. Based on conceptual frameworks of statistical monitoring, the theoretical foundations for integrating inflation-related metrics into the SDG reporting system at the national level are defined. Special attention is given to the methodological justification for selecting relevant statistical instruments, including consumer price indices, producer price indices, and core inflation measures, as tools for evaluating progress toward SDG targets. The role of inflation monitoring in ensuring economic security of the state amid structural vulnerabilities and external shocks is further substantiated. The proposed methodological framework is intended to strengthen the analytical capacity of national statistical authorities in the context of sustainable development governance.

**Keywords:** inflation indicators, sustainable development goals, economic security, statistical methodology, price stability monitoring, SDG reporting, national statistical system, Ukraine.

Inflation is one of the main macroeconomic indicators, reflecting changes in the general price level in a country and directly affecting the purchasing power of the population, poverty levels, social stability, investment activity and the state's ability to ensure sustainable development [1]. In the system for monitoring the Sustainable Development Goals, inflationary trends are of great importance, as they are linked not only to economic growth but also to household well-being, the affordability of goods and services, food security and the effectiveness of government policy.

Statistical analysis of inflation in Ukraine is based primarily on an analysis of the consumer price index, which measures changes in the cost of a fixed basket of consumer goods and services over time. It is this indicator that is used to assess inflation rates, index income, and analyse real wages, pensions, social benefits and the general standard of living of the population. In the context of the Sustainable Development Goals, the Consumer Price Index is an important tool for identifying risks that may exacerbate social inequality and reduce access to basic amenities. The State Statistics Service of Ukraine maintains a dedicated resource on SDG indicators for Ukraine, where the data from the latest update is shown as at 17 February 2025 [2].

A distinctive feature of inflationary processes in Ukraine is that they are shaped by both domestic and external factors. Domestic factors include changes in tariffs, household income levels, the state of public finances, monetary policy, business costs, logistical difficulties and the consequences of military operations. External factors encompass fluctuations in global prices for energy, food and raw materials, exchange rates and dependence on imported goods. Therefore, statistical analysis of inflation cannot be limited to merely recording the percentage increase in prices, but must include an analysis of the structure of inflation, the dynamics of individual commodity groups, regional characteristics, the impact of administratively regulated prices and the expectations of economic agents.

Within the Sustainable Development Goals monitoring framework, inflation is most closely linked to Goal 1 “No Poverty”, Goal 2 “Zero Hunger”, Goal 8 “Decent Work and Economic Growth” and Goal 10

“Reduced Inequalities”. Rising prices for food, housing and utilities, transport and medical goods have a greater impact on low-income households, as they spend a larger proportion of their budget on basic necessities. Consequently, high inflation can reduce people’s real incomes even when nominal wages are formally rising. The monitoring report on the achievement of the SDGs in Ukraine notes that the monitoring system is based on national SDG indicators defined in accordance with Government Order No. 686-r [3].

An important aspect of the statistical study of inflation is time-series analysis. It makes it possible to identify periods of accelerating or decelerating inflation, detect seasonal fluctuations, assess the impact of crisis events, and compare actual figures with forecasts. For Ukraine, it is particularly relevant to compare pre-war, crisis and recovery periods, as inflation trends after 2022 will depend to a large extent on security risks [4], infrastructure damage, energy constraints and the costs incurred by businesses in adapting. In its January 2026 Inflation Report, the National Bank of Ukraine forecast that inflation would fall to 6 per cent by the end of 2027, and to the 5 per cent target in 2028 [5].

Statistical analysis of inflation also has practical significance for public administration. It forms the basis for decisions on the base rate, budgetary policy, social protection, income indexation, support for vulnerable groups, forecasting economic development and ensuring the country’s economic security [6]. To achieve the Sustainable Development Goals (SDGs), it is important that inflation monitoring is regular, transparent, methodologically sound and accessible to the public. Inflation data should be used not only as an economic indicator, but also as an indicator of the country’s social stability.

Consequently, the statistical analysis of inflation indicators in Ukraine is an essential component of monitoring the Sustainable Development Goals. It enables an assessment of the actual state of the economy, the identification of social risks, the tracking of the impact of price trends on public welfare, and the formulation of well-founded management decisions. In the context of war and post-war recovery, the importance of such analysis is growing, as price stability is a prerequisite for economic security, the preservation of human capital and Ukraine’s gradual convergence with sustainable development standards.

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