

## Challenges in Energy Securities Amid Aspects in Conditions of Instability\*

Yuliya PAZYNICH

AGH University of Krakow, Faculty of Management, al. Mickiewicza 30, Krakow, 30-059, Poland,

Correspondence should be addressed to: Yuliya PAZYNICH, [jpazynich@ukr.net](mailto:jpazynich@ukr.net)

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### Abstract

This research examines the socio-economic policy challenges affecting energy security in the context of ongoing political instability and conflict in the world. This research provides an analysis of the interplay between socio-economic dynamics, energy security policies, and political uncertainties in the world. The research emphasizes the importance of diversifying energy resources, enhancing domestic energy production, and establishing strategic international partnerships. The research intends to contribute to the development of robust and adaptive energy policies capable of sustaining both stability and sustainability. This article considers the role of renewable energy sources in the formation of energy security against the background of global geopolitical, socio-economic and technological uncertainty. Energy security indices and policies were analyzed, an assessment of resource consumption was made based on data from the International Energy Agency IEA World Energy Balances. This research presents the simulated trends of coal, oil, natural gas, wind, solar, biofuels and waste consumption currents of the period 1990-2022 and justify the relevance of energy security issue. The paper explores aspects of energy policy, substantiates the expediency of forming a policy to ensure an adequate level of energy security, highlights the risks and challenges of the energy transition. The prospects for the development of the energy sector of the EU and Ukraine in the conditions of political instability and hostilities are considered. Overall, the findings underscore the need for a holistic policy approach that integrates socio-economic and energy security objectives, aiming to safeguard World's and Ukraine's energy future amid ongoing political challenges.

**Keywords:** energy security, socio-economic policy, political instability, energy transition risks, sustainable energy, energy conception simulation trends