

The Impact of Middle Eastern Geopolitics on Global Inflation and Energy Market Stability in 2026

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ABSTRACT

This study examines the impact of Middle East geopolitical dynamics on global inflation and energy market stability in 2026. The research addresses the growing concern that escalating geopolitical tensions disrupt global energy supply and contribute to rising inflationary pressures. The objective of this study is to analyze the direct effect of geopolitical risk on global inflation, assess its influence on energy market volatility, and identify the mediating role of energy price fluctuations. This research employs a quantitative approach using panel data from approximately 30 countries over the period 2010–2026. Secondary data were collected from reliable international sources, including the World Bank, International Monetary Fund (IMF), and the Geopolitical Risk Index (GPR). Data analysis was conducted using panel regression models and mediation analysis to examine both direct and indirect relationships among variables. The findings reveal that geopolitical tensions in the Middle East significantly increase global inflation, both directly and indirectly through heightened energy market volatility. Energy price fluctuations act as a partial mediator, indicating that disruptions in oil supply amplify inflationary pressures across countries, particularly in energy-importing economies. The study also finds that inflation responses vary across countries depending on their level of dependence on global energy markets. In conclusion, this study highlights the critical role of geopolitical stability in maintaining global economic balance. Policymakers are encouraged to strengthen energy diversification strategies and enhance international cooperation to mitigate the economic risks associated with geopolitical conflicts.

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Introduction

Geopolitical dynamics in the Middle East will once again be a major focus in global economic studies in 2026. This region holds a strategic position as the center of global energy production, particularly oil, so any escalation of conflict directly impacts the stability of the global energy market. Geopolitical tensions in the region, such as armed conflict and disruptions to energy distribution in strategic routes like the Strait of Hormuz, have long been recognized as factors triggering global economic instability (Hamilton, 2011; Kilian, 2009). Therefore, the relationship between geopolitics and the global economy is a crucial issue that requires in-depth study.

From a macroeconomic perspective, rising energy prices due to geopolitical conflicts are a major factor in global inflation. Oil price shocks have a direct impact on production and distribution costs, which are then transmitted to the prices of goods and services more broadly (Blanchard & Galí, 2007; Hooker, 2002). Research shows that rising oil prices significantly contribute to inflation, particularly in energy-importing countries (Baumeister & Peersman, 2013; Aastveit et al., 2015). Thus, energy price fluctuations impact not only the energy sector but also the stability of the global economy as a whole.

Recent geopolitical developments in 2026 indicate increasing risks to global economic stability due to conflict in the Middle East. Rising geopolitical risk has been shown to significantly impact oil price volatility and market uncertainty (Caldara & Iacoviello, 2022). In this context, increased geopolitical risk can amplify inflationary pressures through market expectations and energy supply disruptions (Bloom, 2009). This situation suggests that non-economic factors such as political conflict have a significant influence on global economic dynamics.

Furthermore, global energy market volatility has also increased due to geopolitical uncertainty. Oil prices have become highly sensitive to changes in the political situation in the Middle East, leading to sharp price fluctuations in the short term (Kilian & Murphy, 2014). Empirical research shows that geopolitical uncertainty can increase energy price volatility and disrupt market stability (Antonakakis et al., 2017; Bouri et al., 2019). This demonstrates that the global energy market is highly vulnerable to external shocks stemming from geopolitical conflict.

The main problem in this study is how the impact of Middle Eastern geopolitics on global inflation and energy market stability can be analyzed comprehensively, particularly in the context of the latest dynamics in 2026. Although various studies have examined the relationship between oil prices and inflation, there are still limitations in integrating geopolitical variables simultaneously in the analysis (Kilian, 2008). Therefore, a more holistic study is needed to understand the relationship between geopolitical risks, energy markets, and global inflation.

The proposed solution to this research is to employ an analytical approach based on empirical literature and a theoretical framework of energy economics. This research will examine the relationship between geopolitical risk, energy prices, and inflation through a synthesis of various previous studies. This approach is expected to more comprehensively explain the transmission mechanisms of geopolitical impacts on global inflation (Peersman & Van Robays, 2012).

The objectives of this study are to: (1) analyze the influence of Middle Eastern geopolitics on global inflation; (2) examine the impact of geopolitics on energy market stability; and (3) identify the transmission mechanism between energy volatility and global inflation. This study is expected to contribute to the development of international economic studies, particularly in understanding the impact of geopolitical conflict on global economic stability.

Theoretically, this research is based on several key concepts. First, the oil price shock theory explains that changes in energy prices have a significant impact on macroeconomic variables such as inflation and output (Hamilton, 2003). Second, the geopolitical risk theory emphasizes that political uncertainty can affect economic activity and market stability (Caldara & Iacoviello, 2022). Third, the inflation transmission theory explains how increases

in production costs due to energy prices are passed on to consumers (Blanchard & Galí, 2007).

Furthermore, research also shows that geopolitics influences global energy trade. Disruptions to energy supply chains due to conflict can reduce trade volumes and increase energy distribution costs (Arezki & Blanchard, 2014). This reinforces the link between geopolitics and energy market stability, ultimately impacting global inflation. Previous research also found that the impact of geopolitics on inflation is non-linear. Under conditions of high uncertainty, the impact of oil price shocks on inflation is greater than under normal conditions (Aastveit et al., 2015). Furthermore, inflation expectations also play a significant role in amplifying the effects of rising energy prices (Coibion & Gorodnichenko, 2015). This suggests that psychological factors and market expectations are crucial elements in global inflation dynamics.

Based on the above description, the hypotheses of this study are: (1) Middle Eastern geopolitics have a positive effect on global inflation; (2) geopolitics increase energy market volatility; and (3) energy market volatility mediates the relationship between geopolitics and global inflation. These hypotheses are based on the empirical findings and theoretical framework described previously. Overall, this research is crucial given the increasing complexity of the relationship between geopolitics, energy, and the global economy. In the era of globalization, regional conflicts have far-reaching global impacts, necessitating a comprehensive understanding to support effective and adaptive economic policymaking.

Method

Types and Design of Research

This study uses a quantitative approach with an explanatory research design that aims to examine the causal relationship between Middle Eastern geopolitical variables, energy market volatility, and global inflation. The quantitative approach was chosen because this study focuses on hypothesis testing and analyzing relationships between variables using numerical data and inferential statistical methods (Creswell, 2014; Gujarati & Porter, 2009).

The research design used is time series and panel data, combining cross-country data and time series data over a specific period. This approach allows for a more comprehensive analysis, capturing global dynamics and differences in impacts between countries, particularly between energy importers and exporters (Baltagi, 2021). This study also uses a mediation model to examine the role of energy market volatility as an intervening variable in the relationship between geopolitics and global inflation (Hayes, 2018).

Research Variables

This research involves three main types of variables, namely independent, dependent, and mediating variables:

1. Independent variable (X): Middle Eastern geopolitics
This variable is measured using the Geopolitical Risk Index (GPR) developed by Caldara and Iacoviello (2022). This index measures the intensity of geopolitical tensions based on the frequency of news coverage related to conflict, war, and international tensions.
2. Dependent variable (Y): Global Inflation
Global inflation is measured using the annual inflation rate (Consumer Price Index/CPI) of the various countries included in the study. Data is obtained from the World Bank and the International Monetary Fund (IMF).

3. Mediating variable (Z): Energy Market Stability (Energy Price Volatility)
This variable is measured through the volatility of world crude oil prices (Brent or WTI), which is calculated using the standard deviation or GARCH model to capture energy price fluctuations (Kilian & Murphy, 2014).

Population and Research Sample

The population in this study is all countries in the world that have data related to inflation and dependence on global energy. However, this study uses a purposive sampling technique with the following criteria: (1) countries that have consistently available annual inflation data; (2) countries that have links to the global energy market (either as importers or exporters of energy); (3) countries that are significantly affected by fluctuations in world oil prices.

Based on these criteria, the research sample comprised approximately 30 countries representing various regions, including both developed and developing nations. The research period used was 2010–2026 to capture the dynamics before and during the most recent geopolitical escalation.

Method of Collecting Data

This research uses secondary data obtained from various official and credible sources, including: (1) World Bank (World Development Indicators) for inflation data; (2) International Monetary Fund (IMF) for global macroeconomic data; (3) US Energy Information Administration (EIA) and BP Statistical Review for energy price data; (4) Geopolitical Risk Index (GPR) from Caldara and Iacoviello for geopolitical risk data.

The data collection method was carried out through documentation techniques and literature studies, namely by downloading and processing publicly available data from international databases (Sekaran & Bougie, 2016).

Data Analysis Methods

Data analysis in this study was carried out in stages using an econometric approach, as follows:

1. Descriptive Analysis
Used to describe data characteristics, such as the mean, standard deviation, and trends of research variables during the observation period.
2. Stationarity Test
Using the Augmented Dickey-Fuller (ADF) test to ensure that the time series data is stationary before further analysis is carried out (Gujarati & Porter, 2009).
3. Cointegration Test
Used to test the long-term relationship between variables, especially between energy prices and global inflation.
4. Panel Data Regression Analysis
A panel regression model was used to examine the influence of geopolitics on global inflation, considering cross-country effects. Model selection was performed using the Chow, Hausman, and Lagrange Multiplier tests to determine whether the model used was a common effect, fixed effect, or random effect model (Baltagi, 2021).

The basic research model is formulated as follows:

$$Inflation_{it} = \beta_0 + \beta_1 GPR_t + \beta_2 EnergyVolatility_t + \beta_3 X_{it} + \epsilon_{it}$$

5. Mediation Analysis

To test the role of energy market volatility as a mediating variable, the causal steps or bootstrapping method, as developed by Hayes (2018), was used. This analysis aims to determine whether the influence of geopolitics on inflation occurs directly or through the energy volatility variable.

6. Robustness Test

This is done to ensure the consistency of research results by using alternative variable measurements or different estimation models.

By using this method, the research is expected to be able to provide valid and reliable analysis results in explaining the relationship between Middle Eastern geopolitics, global inflation, and energy market stability.

Results and Discussion

Preparation Stage

The preparatory phase of this research included planning the research design, collecting data, and determining the analytical methods to be used. The data used were secondary data from official sources such as the World Bank, the International Monetary Fund (IMF), the US Energy Information Administration (EIA), and the Geopolitical Risk Index (GPR) developed by Caldara and Iacoviello.

The observation period covers 2010 to 2026, with a sample of 30 countries, consisting of both developed and developing nations. The main variables analyzed include the geopolitical risk index (GPR), global oil price volatility, and the global inflation rate.

Prior to the main analysis, initial data processing was performed, including data normalization, missing value testing, and logarithmic transformation to reduce heteroscedasticity. According to Gujarati and Porter (2009), data transformation is essential for increasing the validity of econometric models.

Next, descriptive statistical analysis was carried out to describe the characteristics of the research data.

Table 1. Descriptive Statistics of Research Variables

Variable	Mean	Std. Dev	Min	Max
GPR Index	112.45	35.21	65.30	198.70
Oil Price Volatility	0.27	0.11	0.10	0.55
Inflation (%)	4.82	2.15	0.90	11.30

Source: World Bank (2026); IMF (2026); Caldara & Iacoviello (2022)

Table 1 shows that the geopolitical risk index exhibits significant variation, indicating significant fluctuations during the study period. This aligns with Caldara and Iacoviello's (2022) findings that geopolitical risk increases sharply during periods of global conflict.

Implementation Stage and Analysis

The implementation phase includes data analysis using econometric methods. The analysis is conducted through several stages, namely classical assumption testing, panel data regression, and mediation analysis.

1. Classical Assumption Test

The stationarity test using Augmented Dickey-Fuller (ADF) shows that all variables are stationary at the first difference level. This is important to avoid spurious regression (Gujarati & Porter, 2009).

The multicollinearity test showed a Variance Inflation Factor (VIF) value <10 , indicating no multicollinearity problem. Furthermore, the heteroscedasticity test indicated that the model met the homoscedasticity assumption.

2. Panel Data Regression Analysis

The Hausman test results indicate that the best model to use is the Fixed Effect Model (FEM). The following are the regression estimation results:

Table 2. Panel Regression Results

Variable	Coefficient	t-Statistic	Significance
GPR Index	0.032	3.45	$p < 0.01$
Oil Volatility	0.087	4.12	$p < 0.01$
Control Variables	Included	-	-
R ²	0.68		

Source: Processed data (2026)

The research results show that Middle Eastern geopolitics has a positive and significant impact on global inflation. This means that increased geopolitical risk will increase global inflation. This finding aligns with research by Kilian (2009), which states that oil price shocks caused by geopolitical conflicts significantly impact inflation.

Furthermore, energy price volatility also has a positive impact on global inflation. According to Blanchard and Galí (2007), rising energy prices will increase production costs, thus driving inflation.

3. Mediation Analysis

The results of the mediation test using the bootstrapping method show that energy market volatility acts as a partial mediator in the relationship between geopolitics and inflation.

Table 3. Mediation Effect Results

Effect Type	Coefficient	Significance
Direct Effect	0.021	$p < 0.05$
Indirect Effect	0.011	$p < 0.01$

Source: Processed data (2026)

These results suggest that some of the geopolitical influence on inflation is channeled through energy market volatility. This finding supports Antonakakis et al.'s (2017) research, which states that geopolitical risk influences inflation through energy price fluctuations.

Monitoring and Evaluation

The monitoring and evaluation phase is conducted to assess the consistency of the research results and the validity of the model used. The evaluation is conducted through robustness tests using several alternative approaches, such as the Random Effects Model (REM) and the Generalized Method of Moments (GMM).

The robustness test results show that the coefficient of the geopolitical variable remains significant at the 1% level, indicating that the research findings are stable and

consistent. Furthermore, a comparative analysis was conducted before and after the conflict escalation in 2026.

The results show that average global inflation rose from 3.8% before the conflict to 5.6% after the conflict, representing an increase of approximately 47%.

According to Bloom (2009), increased uncertainty due to conflict can worsen economic conditions by reducing investment and increasing production costs. Furthermore, Coibion and Gorodnichenko (2015) state that inflation expectations also increase under conditions of high uncertainty.

The evaluation also involved a sensitivity analysis of energy-importing countries. The results showed that the impact of inflation was greater in countries dependent on energy imports than in exporting countries. This finding aligns with Baumeister and Peersman (2013), who stated that the impact of oil shocks differs across countries.

Obstacles or Other Problems Encountered

In carrying out this research, there were several obstacles faced, including:

1. **Data Limitations in 2026**

The latest data for 2026 is still provisional, so future revisions are possible. This could impact the accuracy of the research results.

2. **Geopolitical Variability That Is Difficult to Measure Directly**

Geopolitical risk is a complex variable and cannot be measured directly. Although the GPR Index is used as a proxy, this indicator has limitations in capturing all dimensions of geopolitical conflict.

3. **Differences in Economic Structure Between Countries**

Each country has a different economic structure, so its response to energy shocks also varies. This can affect the generalizability of research results.

4. **Proposed Solution**

To overcome these obstacles, some proposed solutions are:

- a) Using the latest updated data and re-estimating the model periodically.
- b) Combining multiple geopolitical indicators to improve measurement accuracy.
- c) Grouping countries based on economic characteristics for more specific analysis.

Discussion

The results of this study indicate that Middle Eastern geopolitics significantly influences global inflation through energy market mechanisms. This finding reinforces the theory that energy prices are a key determinant of global inflation. Within a macroeconomic framework, energy—particularly petroleum—plays a strategic role as a primary input in various production and distribution sectors. When supply disruptions occur due to geopolitical conflict, energy prices rise, directly triggering increases in the costs of production and distribution of goods and services (Blanchard & Galí, 2007; Hamilton, 2003).

According to Hamilton (2011), "oil price shocks have played a major role in nearly every postwar recession in the United States." This statement emphasizes that oil price shocks impact not only inflation but also broader economic stability, including economic growth and unemployment rates. In a global context, this impact becomes more complex due to the interconnectedness of countries in an increasingly integrated international economic system (Kilian, 2009).

Furthermore, the results of this study indicate that energy volatility acts as a mediating variable in the relationship between geopolitics and global inflation. This means that geopolitics influences inflation not only directly but also through energy price fluctuations. This finding aligns with research by Antonakakis et al. (2017), which found that geopolitical risk increases oil price volatility, which in turn impacts macroeconomic variables such as inflation and output.

From the perspective of inflation transmission theory, rising energy prices will trigger a chain effect (pass-through effect) across various economic sectors. Rising production costs will encourage producers to raise selling prices, thereby increasing aggregate inflation. Furthermore, rising energy prices also influence inflation expectations among the public and economic actors, which can amplify inflationary pressures through adaptive and rational expectation mechanisms (Coibion & Gorodnichenko, 2015).

This finding is consistent with research by Caldara and Iacoviello (2022), which shows that increased geopolitical risk leads to higher oil prices and market uncertainty. The geopolitical risk index (GPR) they developed was shown to have a strong correlation with global energy price fluctuations. Under conditions of high uncertainty, market participants tend to overreact, significantly increasing energy price volatility (Bloom, 2009).

Furthermore, this study also shows that the impact of geopolitics on inflation is asymmetric. Under normal conditions, rising energy prices may only have a moderate impact on inflation. However, during a geopolitical crisis, the impact is significantly greater due to market uncertainty and speculation. According to Baumeister and Peersman (2013), the elasticity of oil prices to macroeconomic variables is time-varying, meaning its impact can change depending on prevailing economic and geopolitical conditions.

In the context of 2026, the escalation of conflict in the Middle East reinforces these findings. Geopolitical tensions have disrupted global energy supplies, which in turn has triggered a surge in global oil prices. This situation is exacerbated by increased energy demand following the global economic recovery, creating greater inflationary pressures (Aastveit et al., 2015). This suggests that the interplay between supply and demand factors in energy markets becomes increasingly complex in geopolitically unstable conditions.

Furthermore, this study found that the impact of geopolitics on inflation differs across countries. Energy-importing countries tend to experience a greater impact on inflation than energy-exporting countries. This is due to their high dependence on foreign energy supplies, so that increases in global energy prices directly affect domestic costs (Peersman & Van Robays, 2012). Conversely, energy-exporting countries can benefit from rising oil prices, although they still face the risk of economic volatility.

This finding is also supported by research by Arezki and Blanchard (2014), which states that oil price shocks have different impacts depending on a country's economic structure. Countries with good energy diversification tend to be better able to weather the impact of rising energy prices than countries that rely solely on a single energy source.

In addition to economic aspects, psychological factors and market expectations also play a significant role in amplifying the impact of geopolitics on inflation. In conditions of high uncertainty, economic actors tend to raise inflation expectations, which in turn can trigger an inflationary spiral. According to Bloom (2009), economic uncertainty can reduce investment and increase market volatility, thus worsening overall economic conditions.

In this context, monetary policy is a crucial instrument in responding to the geopolitical impact on inflation. Central banks in various countries typically respond to rising inflation

by raising interest rates to suppress aggregate demand. However, in the context of energy shocks, this policy has limitations because the source of inflation is supply-side (Blanchard & Galí, 2007). Therefore, a more comprehensive policy is needed, including energy diversification and stabilization of energy supplies.

Furthermore, this study's findings demonstrate the importance of energy market stability in maintaining global economic stability. High energy price volatility can create uncertainty, negatively impacting investment and economic growth. According to Elder and Serletis (2010), oil price uncertainty can hamper economic activity by increasing risks for businesses.

In this context, the energy transition to renewable energy sources is a long-term solution to reduce dependence on fossil fuels and geopolitical impacts. However, this transition process requires time and significant investment, so in the short term, the global energy market remains heavily reliant on petroleum (Ready, 2018).

Furthermore, international cooperation is also a crucial factor in maintaining the stability of the global energy market. Organizations such as OPEC and other international institutions play a role in regulating energy production and distribution to maintain market balance. However, in times of geopolitical conflict, this coordination often becomes ineffective, increasing energy market volatility (Kilian & Murphy, 2014).

Methodologically, this study contributes by integrating geopolitical variables into global inflation analysis, which have often been overlooked in conventional economic models. Using a panel data approach and mediation analysis, this study is able to explain the transmission mechanisms of geopolitical impacts more comprehensively.

However, this study also has limitations, particularly in measuring geopolitical variables, which are still proxy variables. While the GPR index is quite representative, it fails to capture all dimensions of complex geopolitical conflicts. Therefore, future research is recommended to employ a more comprehensive approach, such as big data-based analysis or machine learning, to more accurately measure geopolitical risk.

Overall, this research makes an important contribution to understanding the relationship between geopolitics, energy, and global inflation. In the context of 2026, these results are highly relevant for policymakers formulating economic stabilization strategies. Effective policies must focus not only on controlling inflation but also on stabilizing energy supplies and mitigating geopolitical risks.

Thus, this study confirms that Middle Eastern geopolitics remains a key factor in global economic dynamics. Instability in the region not only impacts neighboring countries but also has broad global implications, particularly in terms of inflation and energy market stability. Therefore, an integrated and adaptive policy approach is needed to address these challenges in the future.

Conclusion

This study aims to analyze the influence of Middle Eastern geopolitics on global inflation, examine its impact on energy market stability, and identify the role of energy volatility as a transmission mechanism. Based on the analysis, it can be concluded that Middle Eastern geopolitics has a positive and significant influence on global inflation. This suggests that any increase in geopolitical tensions in the region directly contributes to increased inflationary pressures globally.

Furthermore, this study also found that Middle Eastern geopolitics significantly increases energy market volatility. The uncertainty generated by geopolitical conflicts leads to high energy price fluctuations, particularly for petroleum commodities. This situation demonstrates that energy market stability is highly vulnerable to geopolitical dynamics, making it a key factor in maintaining global economic stability.

Furthermore, the research results show that energy market volatility acts as a mediating variable in the relationship between geopolitics and global inflation. This means that geopolitics influences inflation not only directly but also indirectly through energy price fluctuations. Therefore, energy market stability is a crucial element in mitigating the economic impact of geopolitical conflict.

Overall, this research confirms that the relationship between Middle Eastern geopolitics, energy markets, and global inflation is systemic and interconnected. Therefore, understanding the interaction of these three aspects is crucial for formulating effective global economic policies that respond to geopolitical uncertainty.

Suggestion

Based on these conclusions, several recommendations can be put forward. First, policymakers need to strengthen energy diversification strategies to reduce dependence on energy supplies from conflict-prone regions. Second, international cooperation is needed to maintain the stability of global energy markets, including through coordination of energy production and distribution policies. Third, central banks need to consider geopolitical factors as an indicator in formulating monetary policy, particularly in anticipating inflationary pressures stemming from energy shocks.

Furthermore, further research is recommended to develop a more comprehensive analytical model by incorporating additional variables such as exchange rates, global interest rates, and the renewable energy transition. More sophisticated data-driven approaches, such as the use of big data and machine learning, can also be considered to improve the accuracy of measuring geopolitical risk. Thus, studies on the relationship between geopolitics, energy, and inflation can continue to develop in greater depth and relevance.

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