Discussion of:

Fiscal deficits and inflation risks: the role of fiscal and monetary regimes

Oleksandr Faryna, National Bank of Ukraine Joint NBP-NBU ARC, 22-23 January 2023

How does fiscal policy affect inflation?

- Ongoing debates on the effects of a massive wave of fiscal stimulus during COVID-19
- A long lasting discussion in the literature
 - Strong evidence of positive effects on output (fiscal multipliers: Ramey, 2019; Sheremirov & Spirovska, 2022; Auerbach & Gorodnichenko, 2012)
 - No conclusive answer for inflation (Reinhart & Sbrancia, 2015)
 - What is the role of fiscal and monetary policy mix?

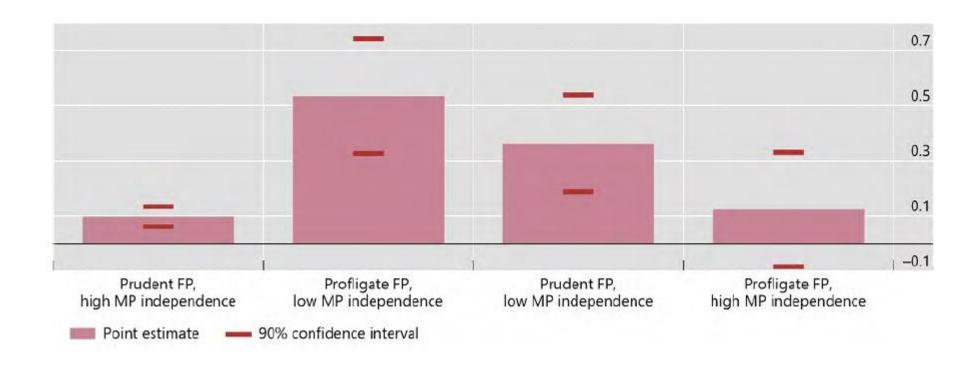
The paper:

- Classifies "fiscally-led" vs. "monetary-led" regimes
- Estimates the effect of fiscal deficits on inflation in a panel of 21 AE over 1972-2011 under different policy regimes
- Finds that higher deficits lead to higher inflation especially under "fiscally-led" regime
 - Prudent monetary policy is crucial to accommodate inflationary effects of fiscal shocks

Challenges

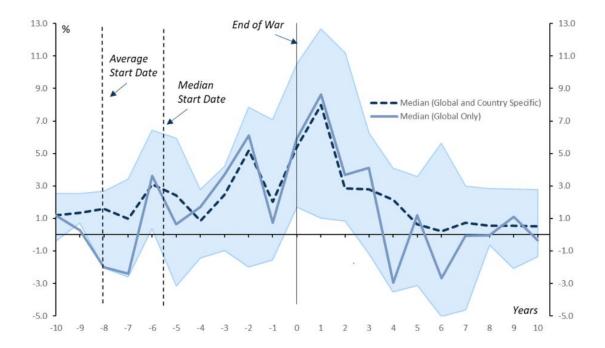
- Regime classification: de jure vs. de facto monetary and fiscal regimes?
 - MP: "legal" independence to identify regimes
 - FP: fiscal reaction functions of primary balance to stabilize debt
 - Alternative classifications for robustness
- Estimation and shock identification: Endogeneity, nonlinearity, asymmetry, low-inflation period
 - Quantile regressions for panel data to estimate inflation-at-risk from higher fiscal deficits
 - Forecast performance to validate the inclusion of fiscal deficits to Philips curve
 - Robustness checks for asymmetries, low-inflation period, alternative shock identification

Results



Lessons and new challenges for Ukraine

- Full-scale russia's aggression
 - Wars are associated with high and long-lasting inflation (usually due to fiscal expansion)
 - Prudent MP and independent CB during and after the war



Notes: CPI Inflation (% year-on-year) around wars, median and interquartile range.

Source: Daly & Chankova (2021)

Lessons and new challenges for the world

- Global geopolitical tensions due to the war in Ukraine and the rift between the Western-style democracies and China triggered the expansion of defense spending
 - Stimulative short-term effect on output (see Chebanova et al. 2023)
 - Prudent MP and independent CB to accommodate inflationary effect of fiscal expansion

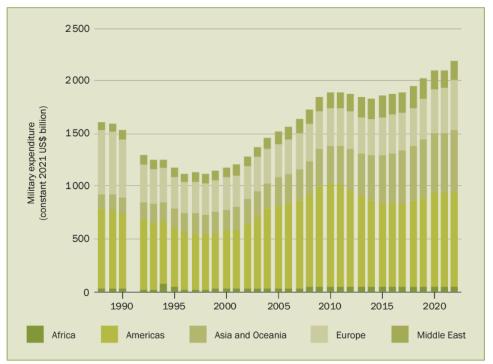


Figure 1. World military expenditure, by region, 1988–2022

Source: SIPRI Fact Sheet. Trends in World Military Expenditure, 2022 (2023)

Summary

- Very interesting and timely paper!
- Robust results
- The importance of the topic goes far beyond the scope in the paper (especially in the context of NBP-NBU ARC 2023)
- Suggestions for future work:
 - Military spending for shock identification (SIPRI dataset)
 - Quantile regressions combined with IV approach (see, for example, Harding & Lamarche, 2009)

Literature

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