Kristin Forbes MIT-Sloan School, NBER & CEPR

Discussion of Maury Obstfeld's Global Dimensions of US Monetary Policy

Monetary Policy Strategy, Tools & Communication Practices

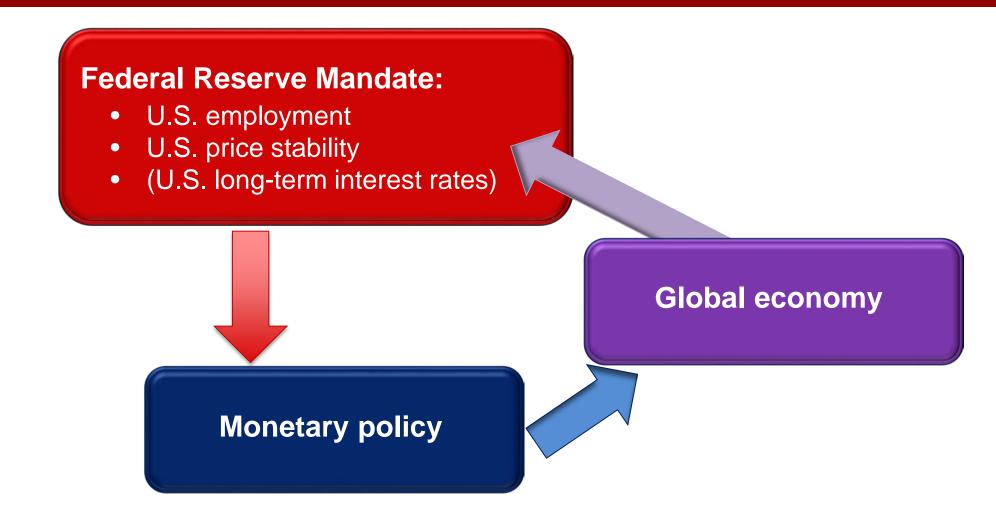
A Fed Listens event

Federal Reserve Bank of Chicago June 4-5, 2019



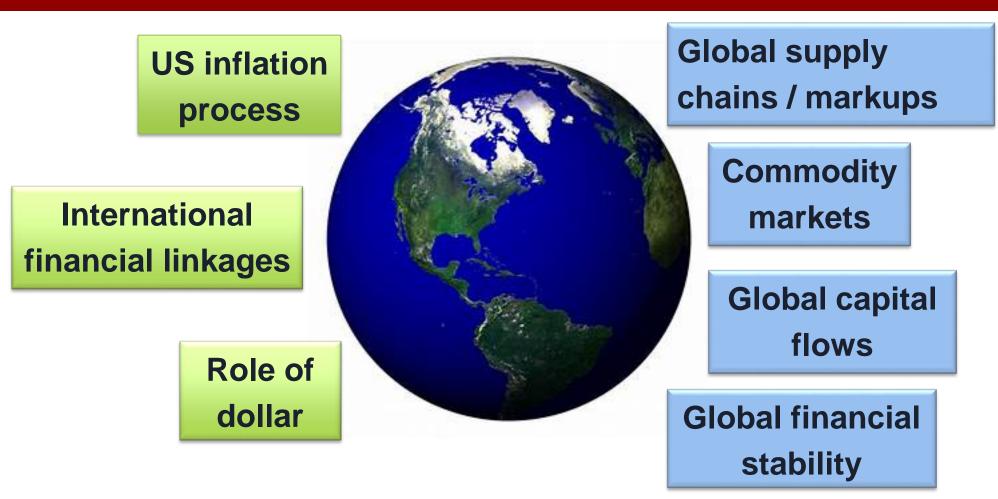


Important Paper





Many Potential Linkages





Obstfeld: Key Points

- Overall: skeptical lens
- Key parts of analysis:
 - US inflation process: more skeptical
 - International financial linkages: important role of global factor in r* and current accounts
 - Dollar's global role: important "spillbacks" through dollar invoicing and funding

Conclusions

- Global influences matter
- Can complicate monetary policy; "divine coincidence" less likely
- "much we still need to learn"
- An integrated picture of this "elephant" remains elusive



Part I: The Inflation Process





Global Aspects of US Inflation Process

3 main channels:

- Global competition
- Wage behavior
- Foreign prices

Important contribution: context of simple models

- Phillips curve: shifts vs. slopes
- Can be counteracting effects
- Bottom line: empirical estimates needed

Obstfeld results: correlates of US CPI

- Declining role of domestic wages and labor productivity
- Mixed evidence on role of import prices (个 post-2007)
- Unresolved: what explains the large residuals?

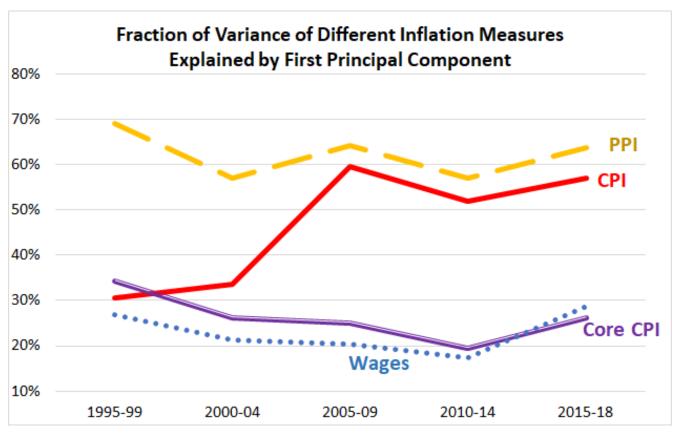


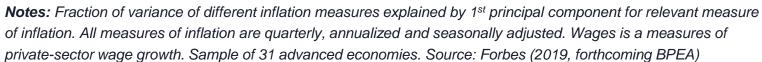
Comments

- More work needed!
- Some gaps:
 - Changing role of global environment over time—dates matter
 - Changing role of markups/global competition?
 - Jackson Hole 2018 symposium papers: Van Reenen, Crouzet & Eberly, Philippon
 - Changing role of exchange rates?
 - Forbes, Hjortsoe & Nenova (2018), Ha, Stocker & Yilmazkuday (2019)
 - Changing role of commodity prices?
 - Miles et al. (2017), World Bank (2018), Coibion & Gorodnichenko (2015)



Greater Role for Commodity Prices?







Implication

- One variable for "import prices" not enough
- Should better isolate different global influences
 - Commodity prices (oil and others)
 - Exchange rate effects
 - Foreign output gap
 - Global supply chains/global competition



Expanded Model

Standard domestic controls

$$\pi_t = \alpha_1 \pi_t^e + \alpha_1 \pi_t^L + \beta GAP_t^D + Constant + \epsilon_t$$

$$+ \gamma_1 ER_t + \gamma_2 GAP_t^F + \gamma_3 Oil_t^W + \gamma_4 Comm_t^W + \gamma_5 PriceDisp_t^W$$

Additional global controls

 π_t : CPI inflation (quarterly, annualized & seasonally adjusted)

 π_t^e : inflation expectations π_t^L : lagged inflation

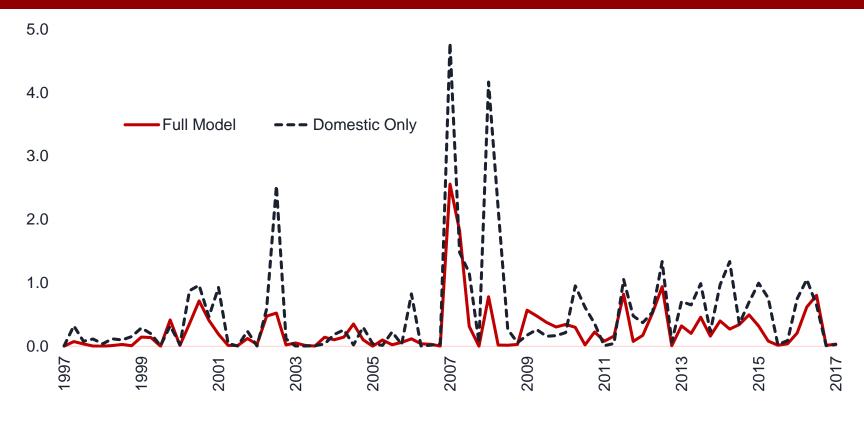
 GAP_t^D : domestic output gap ER_t : Δ in trade-weighted exchange rate

 GAP_t^F foreign output gap $Comm_t^W$: commodity (ex. energy) price inflation (relative to CPI)

 Oil_t^W : oil price inflation (relative to CPI) $PriceDisp_t^W$: price dispersion in PPI in sample



Errors in Phillips Curve Model CPI Inflation, 43 countries



Source: Figure 5(a) in Forbes (2018), paper prepared for BIS.

Notes: Graph shows median value of the squared deviation between actual and predicted inflation each quarter when Phillips-curve equation is estimated with 8-year rolling regressions. "Only Domestic Variables" is when the model only includes controls for inflation expectations, lagged inflation, and the domestic output gap. "Domestic + Global" adds 5 global variables.



Part II: International Financial Linkages





International Financial Linkages

- Paper focuses on 4 main channels:
 - R*
 - Current account balances
 - Real exchange rates
 - Dollar liquidity shocks
- Also important: Implications for net worth & consumer spending → monetary policy



Part III: Spillbacks— Implications of the Dollar's Global Role



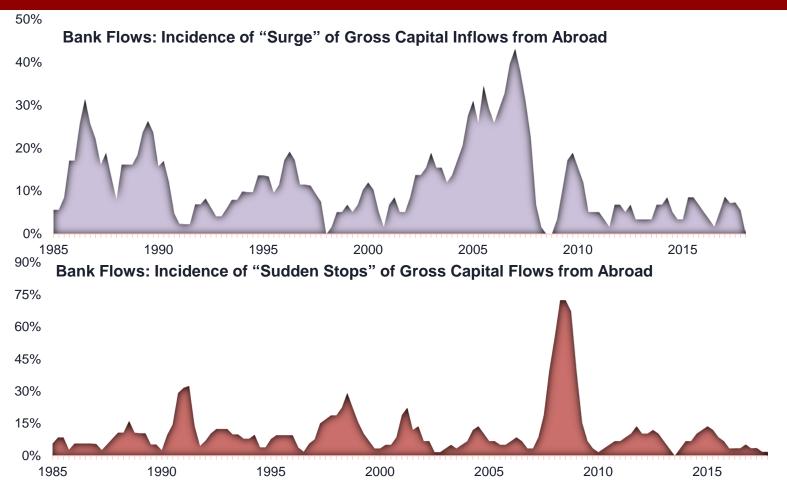


Spillbacks

- Paper focuses on spillbacks through dollar's role:
 - Dollar invoicing
 - Dollar funding
- But also other potentially important spillbacks:
 - Commodity markets
 - Capital flows
 - Crisis risk in other countries
- Reduced spillbacks recently?
 - Fewer sudden stops and surges in capital flows?
 - Updated episodes, based on Forbes and Warnock (2012)



Reduced Spillbacks through Banking Flows?





Source: Based on updated data and methodology from Forbes and Warnock (2012). Data through 2018Q3.

Final Thoughts





"Much We Still Need to Learn"

What has changed?

US inflation process

International financial linkages

Role of dollar



Commodity markets

Global capital flows

Global financial stability

