What role for speculators in driving commodity prices?

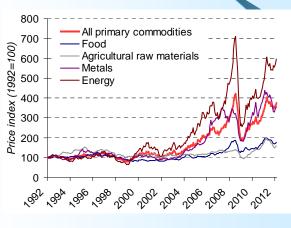
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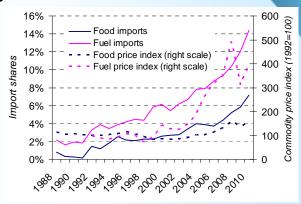
Review

 Commodity prices have seen a surge in recent years



Review

- Economic fundamentals do not fully explain commodity price hikes
- Physical demand factors have limited role



Review

- What else?
 - Supply-side constraints
 - Export restriction
 - Financial investors

Financialisation of commodities

- Flight to simplicity (exodus from ABS etc. complicated products)
- Monetary easing
 - (at lower interest rates producers have lower incentives to increase production so that the proceeds can be invested in high-yield instruments)

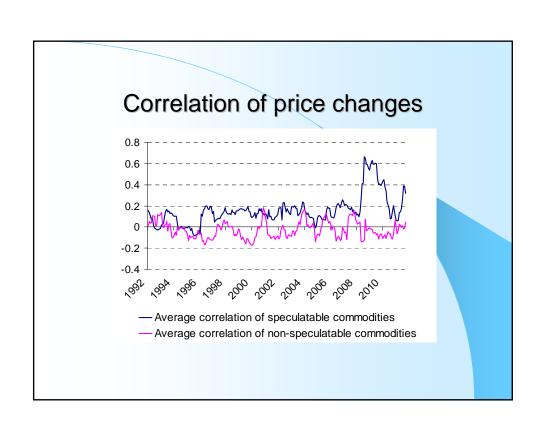
Speculators

- investors not actually holding commodities but seeking arbitrage opportunities in commodities futures and options markets
 - hedge funds
 - financial institutions
 - commodity trading advisors
 - commodity pool operators
 - associate brokers
 - introducing brokers
 - floor brokers
 - and other non-commercial traders

Do speculators play a role?

How to pin down their effect?

- comparing the price changes in commodities with and without organised futures markets.
 - If speculators play a role, commodity with futures markets should have different price behaviour from non-speculatable commodities.



Do speculators play a role?

How to pin down their effect?

- comparing the **price changes in commodities with and** without organised futures markets.
 - If speculators play a role, commodity with futures markets should have different price behaviour from non-speculatable commodities.
 - Due to substitution and other effects, also nonspeculatable commodity prices tend to rise if those with organised futures markets rise, though it should happen with a lag.
 - Korniotis (2009) shows that the comovement between metals with and without futures contracts has not weakened in recent years as speculative activity has risen

How to pin down speculators' effects (cont.)

- look at the changes in positions in futures and options markets of non-commercial traders.
 - To what extent position changes by noncommercial traders, in particular hedge funds etc. are associated with price changes?

An additional idea

Framework: cointegration among commodity price inflation, noncommercial trader positions and monetary/financial market conditions

Test for the absence of cointegration by determining whether there exists error correction for individual panel members or for the panel as a whole. The tests are general enough to allow for a large degree of heterogeneity, both in the long-run cointegrating relationship and in the short-run dynamics, and dependence within as well as across the cross-sectional units.

The relationship exists for several choices of monetary/financial market conditions (currency in circulation, M1, M2, M3, credit, exchange rate, stock price indices) → evidence of cointegration for the panel as a whole and for a number of lag choices

VECM: check the short- and long-term impacts of speculators on commodity price inflation

Estimated equation

 $\Delta \ln p_{i,t} = \alpha_0 + \alpha_1 \Delta \ln m_{i,t} + \alpha_2 \Delta \ln s_{i,t} + \alpha_3 \ln m_{i,t} + \alpha_4 \ln s_{i,t} + [\alpha_5 + \gamma_1 s_{i,t-1}] (\ln p_{i,t-1} + \{\lambda_1 + \gamma_2 s_{i,t-1}\} \ln m_{i,t-1} + \lambda_2 s_{i,t-1} + \lambda_2 T_i) + \beta T_i + \varepsilon_i t$

预览已结束,完整报告链接和二维码如下:

https://www.yunbaogao.cn/report/index/report?reportId=5 7676

