Common Drivers in Emerging Market Spreads and Commodity Prices

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Discussion by Emmanuel C Mamatzakis (Univ. Sussex)

what are the common international exogenous variables (factors) that explain both commodity prices and capital flows in EEs?

in which direction? simultaneously?

common factors affect simultaneously commodities and spreads a positive link between the two mkts.

the economic structure not orthogonal to financial integration.

if global common factors affect with opposite signs spreads and commodities → negative association between these series.

scope and scale to complex policy instruments and counter-cyclical macro.

factors: push (exogenous) vs pool (endogenous).

methodology: common factor analysis, FAVEC (two steps).

data: 13 EEs (EMBIGIobal, JP Morgan) min 20% primary exports to total.

common factor explains 70% of spreads and commodities.

Results:

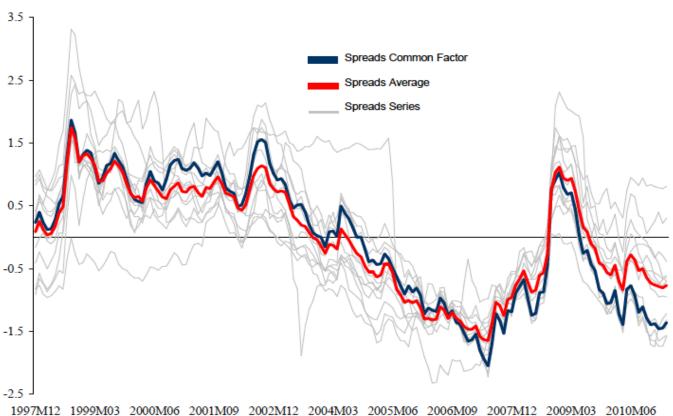
- negative correlations between spreads and commodities.
- \spadesuit international liquidity (\blacktriangledown interest rate and \spadesuit liquidity quantitative) \rightarrow commodity prices and \blacktriangledown spreads).
- ↑ investors' confidence and ↓ global risk aversion (↑ S&P 500 index and ↓ VIX index) → ↑ commodity prices and ↓ spreads.

policy:

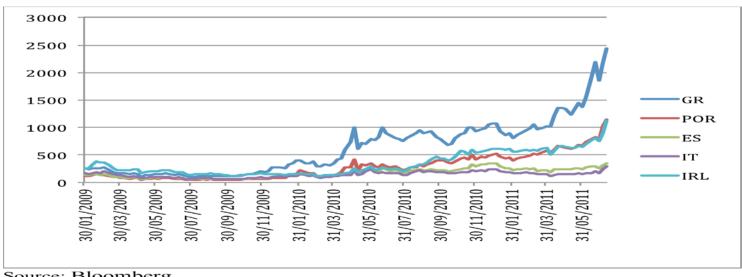
- ↑ global liquidity (loose monetary policy) and ↑
 commodities → ◆external financing cost in EMBIG → ↑
 capital inflow → ↑ GDP.
- if global common factors favorable \rightarrow EMBIG significant appreciation (due to \uparrow commodity prices through current account and \uparrow capital inflows through capital account).
 - accumulation of international reserves
 - counter-cyclical fiscal policy
- asymmetry (not tested) if commodity importer.

are EEs spreads affected by the recent financial crisis?

Figure 5. Bond spreads in commodity producer EEs, common factor and simple average

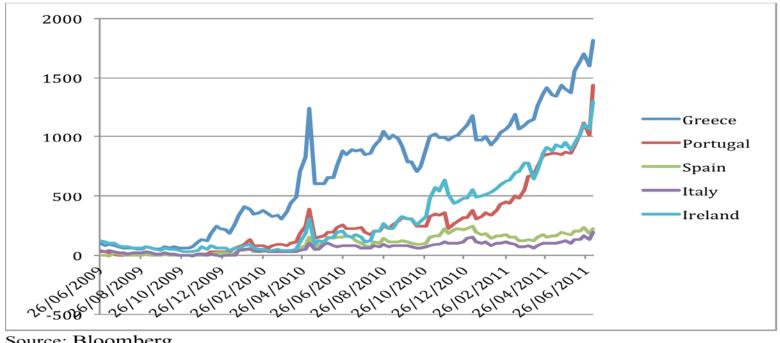


Credit Default Swaps, 5 years maturity, weekly.



Source: Bloomberg.

Spreads over Swaps, 5 years maturity, weekly.



Source: Bloomberg.

high sovereign SCDS in euro-area during crisis:

- declining risk appetite,
- falling market liquidity,
- global financial stress has fed through to the eurozone government bonds
- credit rating downgrades (migration risk),
- economic catastrophe risk,
- not so much principal losses on outstanding debt.

recent fin. turmoil little effect (if any) on EEs spreads,

- the role of macro fundamentals and structural reforms (♥
 risk of default, risk premium, and spreads),
 - i.e.
 ✓ inflation,
 ✓ long and short term debt,
 ↑exports,
 ↑reserves to GDP.
 - financial integration, business and labour regulation, fiscal institutions, fiscal rules, structural deficit.
- debt management (longer maturities, lower external debt levels, debt servicing, issue dent in local currency).

some further comments:

common factor vs PCA,

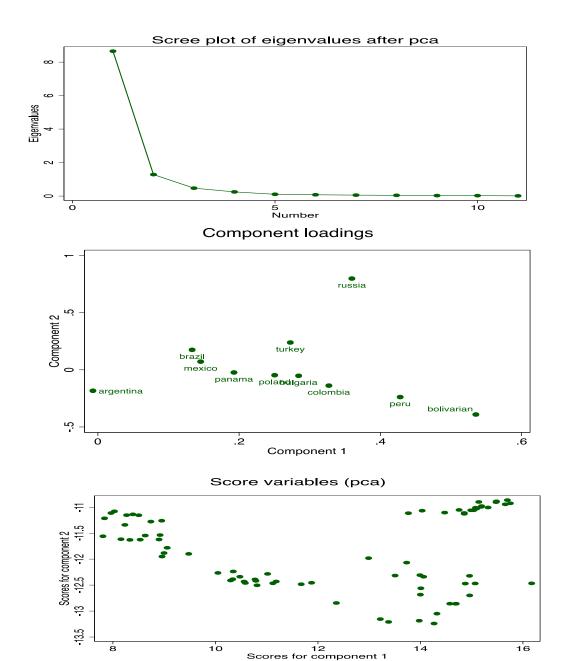
common factors in VECM,

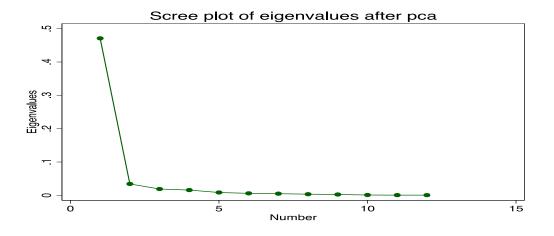
all variables in logs and the deflate by CPI (US), I(1)?

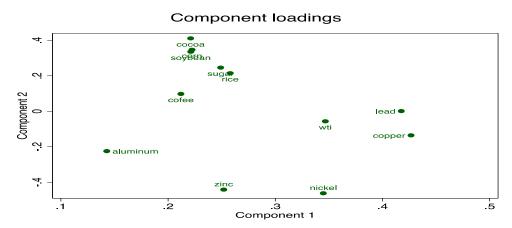
common factors also found to be I(1)?

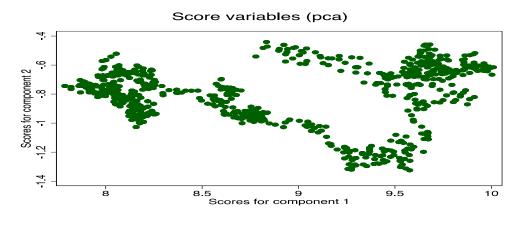
high frequency time series, ARCH, GARCH?

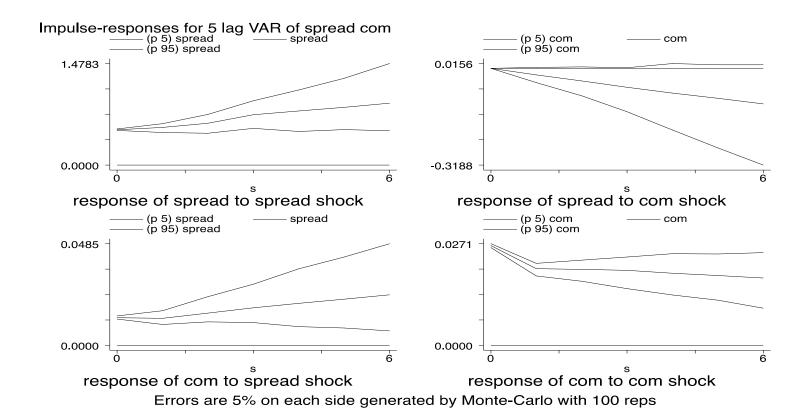
spreads: yields over swap rate?











spread com S 10 0.983884 0.016116 spread 0.558798 0.441202 10 com 0.961067 0.038933 20 spread 0.83509 0.16491 20 com