DISCUSSION OF

A. Cieslak and A. Schrimpf 'Non-Monetary News in Central Bank Communication'

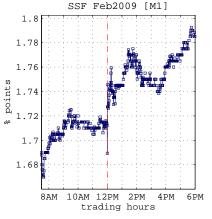
GIOVANNI RICCO University of Warwick

Bank of Canada Conference on Central Bank Communications Ottawa, 13-14 September 2018



MP Surprises

An Announcement Day



event type: Rate Decision date: 05/02/2009 12:00 new rate: 1 (old: 1.5) forecast: 1

conflicts:

9: 1/14

MP Surprises

An Announcement Day



News release

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London EC2R 8AH
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5 February 2009

Bank of England Reduces Bank Rate by 0.5 Percentage Points to 1.0%

The Bank of England's Monetary Policy Committee today voted to reduce the official Bank Rate paid on commercial bank reserves by 0.5 percentage points to 1.0%.

The global economy is in the throes of a severe and synchronised downtum. Output in the advanced economies fell sharply in the fourth quarter of 2008, and growth in the emerging market economies appears to have slowed markedly. Business and household sentiment in many countries has deteriorated. The weakness of the global banking and financial system means that the supply of credit remains constrained.

In the United Kingdom, output dropped sharply in the fourth quarter of 2008 and business surveys point to a similar rate of decline in the early part of this year. Credit conditions faced by companies and households have tightened further. The underlying picture for consumer spending appears weak. Businesses have

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Surprises vs Shocks

Open questions:

► Are MP surprises a direct measure of MP shocks?

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Surprises vs Shocks

Open questions:

- ▶ Are MP surprises a direct measure of MP shocks?
- ▶ What is the **informational content** of market **surprises?**

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- New high-frequency database of market 'jumps' around communication events
 - (i) statements of monetary policy decisions
 - (ii) minutes & press conferences
 - (iii) other (inflation reports, speeches, ...)

by major central banks Fed, ECB, BoE, BoJ

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- 2. Classification of the (main) components in each event:
 - high-frequency comovement of stocks and interest rates
 - monotonicity restrictions across the yield curve

	Stock-yield cov > 0	Stock-yield cov < 0
$Var(y^{Short/Mid}) > Var(y^{Long})$	(1,1) Economic Growth	(1,2) Conventional Monetary Policy (via short-rate expectations)
$Var(y^{Short/Mid}) < Var(y^{Long})$	(2,1) Risk Premia (risk on/off)	(2,2) Unconventional Monetary Policy (via long rates/risk premia)

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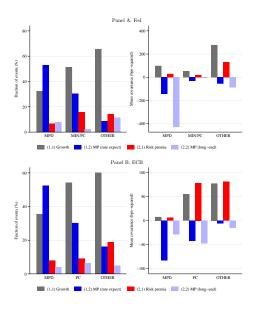
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Results - News in CB Communications



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How to disentangle MP shocks and macro shocks?

Market-based: (this paper), Jarociński and Karadi (2017)

- Covariance between stock markets and interest rates
- Issues:
 - Focus only on the market 'perception' of shocks
 - Additional identification assumptions needed
 - ...

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Survey-based: Campbell et al. (2012a), (mine with S. M.-Agrippino)

- Agents' info set as represented by forecasts/surveys
- ▶ MPs orthogonal to information transfer
- Issues:
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⇒ Complementary approaches!

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Macro Shocks in CB communication?

Policy rate/communication as a signal for many macro shocks

$$i_t = \alpha i_{t-1} + \phi_{\pi_0} \mathbb{E}_t \pi_t + \phi_{\pi_1} \mathbb{E}_t \pi_{t+1} + \dots + \phi_{y_0} \mathbb{E}_t \tilde{y}_t + \phi_{y_1} \mathbb{E}_t \tilde{y}_{t+1} + \dots + \varepsilon_t^{mp}$$

market revisions may blend current and past shocks of several types

Response of markets/yields to macro shocks depends on

- ► Timing of shocks (backcast, nowcast, or forecast revisions)
- Persistence of shocks
- Type of macro shocks
 - Pro-cyclicality of inflation?
 - Tech shocks? $(\pi \downarrow \text{ and } y \uparrow \Rightarrow \text{ stock markets } \uparrow)$
 - Oil shocks? $(\pi \uparrow \text{ and } y \downarrow \Rightarrow \text{ stock markets?})$

Question:

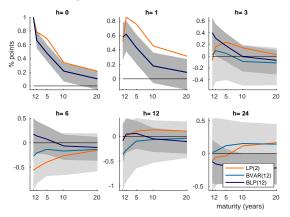
- ▶ Several macro shocks... are restrictions sufficient for all of them?
- ► This paper mainly growth shocks

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$$\begin{aligned} \textit{mps}_t = \ \alpha_0 + \sum_{i=1}^p \alpha_i \textit{mps}_{t-i} \\ + \ \varrho F_t^{cb} u_{q+0} + \sum_{j=-1}^3 \rho_j F_t^{cb} x_{q+j} + \sum_{j=-1}^2 \theta_j \left[F_t^{cb} x_{q+j} - F_{t-1}^{cb} x_{q+j} \right] + & \underbrace{MPI_t}_{\textbf{Information}} \end{aligned}$$

 \mathbb{B}_{-} :

MP Shock - Yield Curve Response



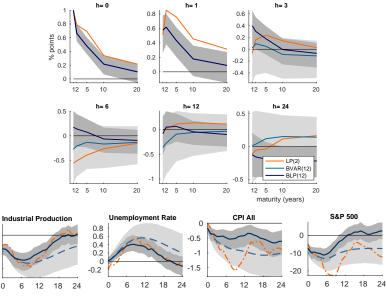
MP Shock - Yield Curve Response

0

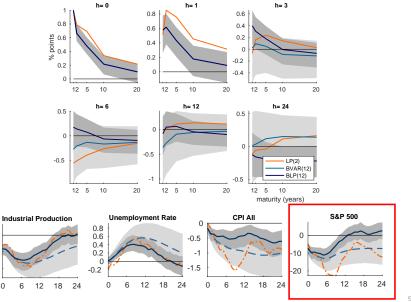
-2

-4

0



MP Shock - Yield Curve Response



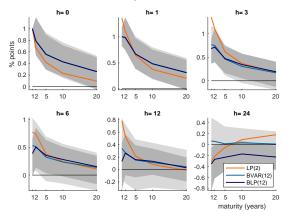
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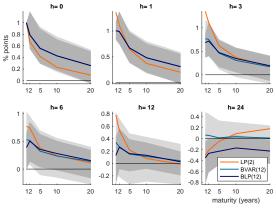
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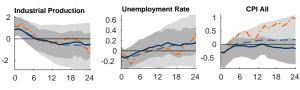
Information Released - Yield Curve Response



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Information Released - Yield Curve Response





1

2

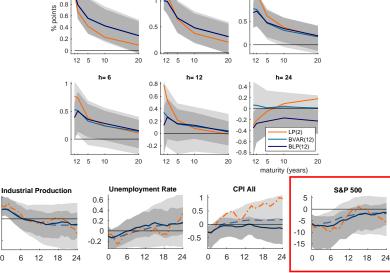
0

-2

0

Information Released - Yield Curve Response

h= 0



h= 1

h= 3

1

Risk premia shocks in CB communication?

- How should we think of price of risk shocks as orthogonal to macro conditions?
- ► How can **CB communication** be the **source** of shifts to risk appetite?

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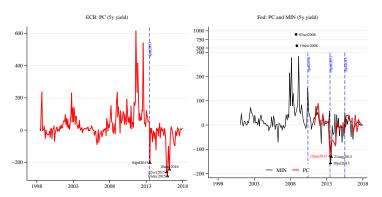
Other comments

- ► Difference between macro medium-run impacts and markets' short run responses
- ► How to think of the effects of **changes to MP rules**?

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News in CB Communications

Realised stock-yield covariances around communication events



Break in the composition of central bank announcements:

- non-monetary news drives communication in the period from 2008 through mid-2013
- monetary news dominate from mid-2013 to 2017

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This Paper:

- ► Novel HF dataset of CB events
- ▶ 'Asset prices' approach to classify (main) info content of MP surprise
- ► Can be extended to structural shocks identification

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Important reference in the field!

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