

## Discussion

# Leaning against persistent financial cycles with occasional crises

by T. Kockerols, E. M. Kravik and Y. Mimir

**Caterina Mendicino**  
(European Central Bank)

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## WHAT?

- Study optimal leaning against the wind (LAW)-type policies

## WHY?

- Explore policy options which have the potential to reduce increased financial vulnerabilities following loose monetary policy stance

## HOW?

- New Keynesian model with endogenous probability of crisis
- Optimal response coefficient to a positive real house price gap in simple rule

- Should central banks take financial imbalances into account in monetary policy decisions?
  - ⇒ Under which conditions a leaning against the wind (LAW)-type monetary policy is advisable to address financial stability risks?
- How does it compare to optimal LAW-type macroprudential policy in the form of optimal long-run bank capital regulation?

# Framework (1)

- Large scale New Keynesian (NK) DSGE model
  - Real and nominal rigidities as in Smets and Wouters (2007)
  - Small open economy estimated to Norway (NEMO)
- Housing sector as in Iacoviello (2005)
  - LTV constraints for HH and NFC
- Banking sector as in Gerali et al (2010)
  - Interest rates set in a monopolistically competitive fashion s.t. cost  $\Rightarrow$  imperfect and sluggish interest rate pass-through from the policy rate to loan and deposit rates
  - target level of risk-weighted capital requirements: CR level CCyB

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# Discussion (1): model features

- What are the key features of the model...
  - ...drive the results
  - ...which justify the need for macroprudential policy?

- Hybrid expectations for house prices
  - Model-consistent expectations with respect to all prices and quantities except for households' house price expectations (Gelain et al., 2013)  
⇒ a fraction of HH has rational expectations while the rest expects house prices to follow a moving average process
- Long-term mortgage debt contracts as in Gelain et al. (2017)
- Normal vs Crisis times: Endogenous Markov-switching framework
  - Occasionally binding effective lower bound (ELB)
  - Asymmetric LAW policy: responds only to positive house price gap
  - CCYB release during crisis
  - Probability of crisis driven by HH credit developments



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## Discussion (2): crisis

- What about crises associated to tightening rather than loosening cycles and high liquidity needs?
- Would the Endogenous Markov-switching framework allow to capture a crisis regime with high policy rates and high inflation?

- Under empirically plausible financial cycles leaning against the wind (LAW)-type **monetary policy** not generally advisable to address financial stability risks
  - ⇒ increase inflation volatility and the frequency of ELB episodes and the severity of crises
- LAW by long-run **capital requirements** is better suited to address risks to financial stability
  - ⇒ reduce both the frequency of ELB episodes and the severity of crises
  - ⇒ limited effectiveness of CCyB

- Since the crisis is triggered by HH credit developments, what about the LTV...
  - ...as a LAW-type of policy?
  - ...interaction with long-run capital requirements?