



EUROPEAN CENTRAL BANK

EUROSYSTEM

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ECB and CEPR

Discussion of “Central Counterparty Resolution: The Right Move at The Right Time” by Huang, Faruqui, and Shirakami

Economics of Payments IX

BIS

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The views expressed are solely those of the authors

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Early?

→ Spend public money when CCP could have recovered

Late?

→ Costly if the CCP does not recover

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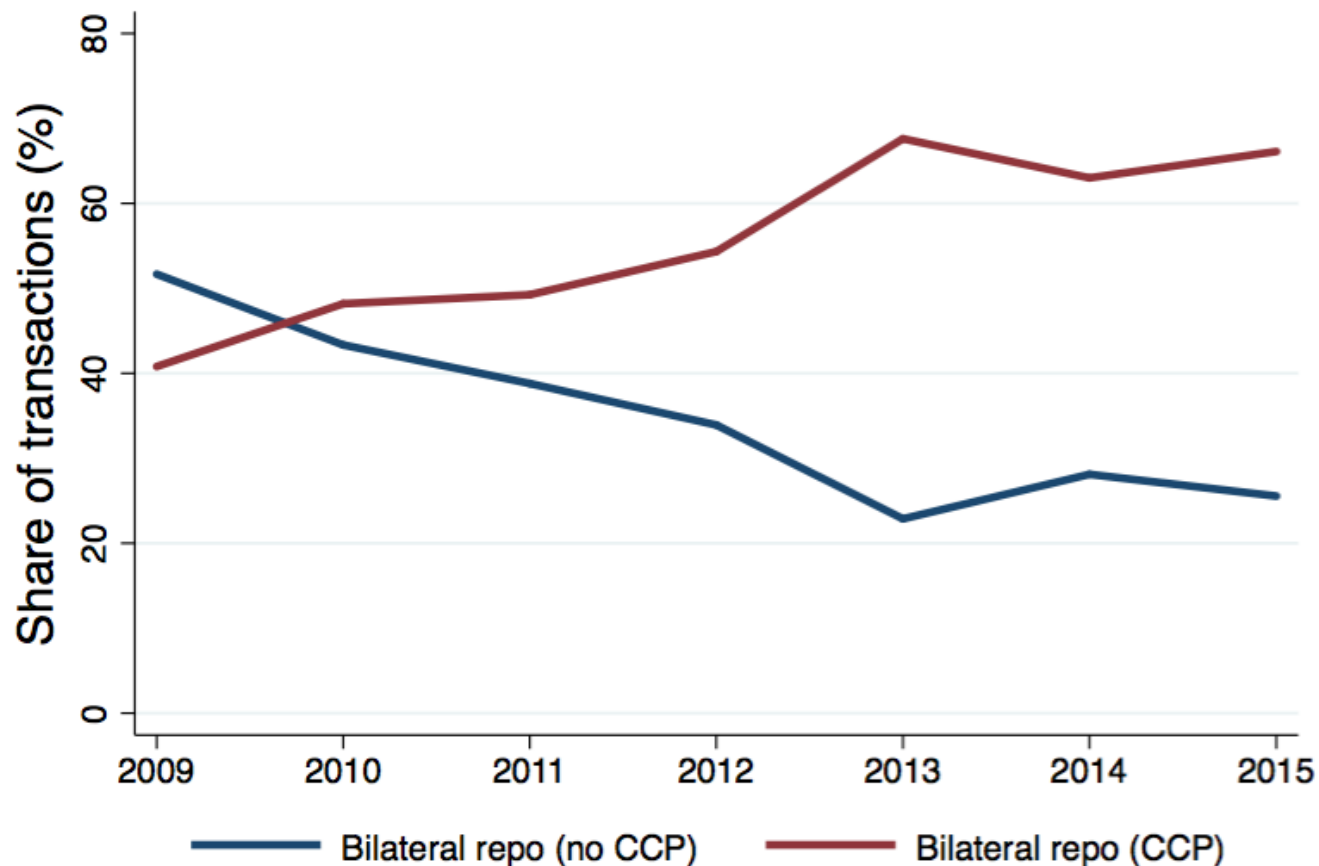
→ Costly if the CCP does not recover

How to make CCP member contribute?

Cash calls vs variation margin gains haircut (VMGH)

Increasing importance of CCPs

Turnover in secured euro money market



Netting

Duffie & Zhu (2011), but see Kubitza, Pelizzon & Sherman (2018)

Information (fewer contractual externalities)

Pooling of risk (mutualisation)

Margin calls

Reduces risk-taking incentives of CCP members (Biais, Heider & Hoerova, 2016)

But could lead to (inefficient?) fire-sales (Biais, Heider & Hoerova, 2018)

European CCP resilient

Mancini, Ranaldo & Wrampelmeyer (2016)

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What if a CCP does fail?

Bignon & Vuillemeys (2018) study failure of CLAM (Caisse de Liquidation des Affaires en Marchandises) in 1974

Agency problems matter!

Regulators' objective function (before resolution at time T)

$$\int_0^T R_t - X_t - C_t dt$$

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Losses on positions
Brownian motion

(market risk)

Regulators' objective function (before resolution at time T)

$$\int_0^T R_t - X_t - C_t dt$$

↑
contributions from (surviving)
members

* Cash calls

* VMGH

Regulators' objective function (before resolution at time T)

$$\int_0^T R_t - X_t - C_t dt$$

Losses because members cannot pay contribution

Poisson jump process

$$dC_t = \varepsilon R_t dN$$

(Liquidity risk)

Regulators' objective function (before resolution at time T)

$$\int_0^T R_t - \cancel{X_t} - C_t dt$$

$$\text{VMGH: } R_t dt = X_t dt$$

Regulators' objective function (before resolution at time T)

$$\int_0^T (R_t - X_t - C_t) dt$$

Cash call \rightarrow " \tilde{R}_t "

Poisson jump process

$$d\tilde{R}_t = -\varepsilon \tilde{R}_t dN_t$$

Why is intervention irreversible?

Can authority really afford to wait?

What if the CCP has to declare “bankruptcy”?

What is different for CCPs relative to systemic banks?

How to make stakeholders contribute?

Difference cash call vs. VMGH