Rules and Discretion(s) in Prudential Regulation and Supervision: Evidence from EU Banks in the Run-Up to the Crisis

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1. The Case for a Level-Playing Field

Key Aim for Establishing the SSM

Ensure consistent supervision across all the banks in the participating countries.

Research Questions

- May heterogeneities in prudential regulation across EU countries have contributed to differences at national level in bank risk-taking and financial stability?
- 2. To reduce bank distress probability, should the prudential framework be based more on *rules or discretion*?

2. Prudential Regulation in the EU

Basel II/CRD [Dir. 48/2006 & Dir. 49/2006]

The key principles were:

- 1. established at the EU-level through directives;
- 2. but implemented through national legislation.

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5. Empirical Analysis

- Hypothesis: Did banks established in countries with more flexible regulation and/or more supervisory discretion experience higher need for crisis public support?
- Strategy: Define a dummy for banks receiving support and estimate a logit model for the probability of receiving a government bail-out during the years 2008-2011

6. Baseline Specification: Empirical Results

MARGINAL EFFECTS OF THE LOGIT ESTIMATION

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	1 The Table records
VARIABLES	SUPP	RECAP	LIQSUPP	RECAP	LIQSUPP	RECAP	LIQSUPP	1. The Table reports
INDICATOR			-		-		-	the marginal effects
Overall Indicator	0.00583**	0.00435**	0.00484***					the logit estimation f
	(0.00234)	(0.00211)	(0.00129)					
Supervisory Discretion				0.00434	0.00469***			the probability of:
				(0.00285)	(0.00147)			- any support (SUPP
Regulatory Flexibility						0.0114*	0.0284***	
						(0.00628)	(0.00553)	- Tecapitalis. (RECAF
BANK BALANCE SHEET								- liquidity support
Size	0.0867***	0.0833***	0.00626	0.0830***	0.00645	0.0821***	0.00263	
	(0.0104)	(0.00973)	(0.00554)	(0.00966)	(0.00572)	(0.0100)	(0.00504)	
Loans/Total Assets	0.00395***	0.00214***	0.00183***	0.00204**	0.00176***	0.00143*	0.000923**	
	(0.000926)	(0.000807)	(0.000581)	(0.000838)	(0.000617)	(0.000733)	(0.000441)	2 Robust (bank-
RoE	-0.00114***	-0.000417	-0.000118	-0.000407	-0.000130	-0.000340	-0.000153	
	(0.000422)	(0.000328)	(0.000164)	(0.000330)	(0.000183)	(0.000341)	(0.000113)	cluster) standard
LiqAssets/Depos ST Funding	0.000241	-0.00101**	-0.000472	-0.00106**	-0.000495	-0.00107**	-0.000568	errors in parentheses
	(0.000291)	(0.000431)	(0.000417)	(0.000442)	(0.000419)	(0.000437)	(0.000395)	
Gover Secur/Total Assets	0.00232	0.00199	0.00182**	0.00215*	0.00198**	0.00143	0.000823	p<0.01, ** p<0.05
	(0.00154)	(0.00131)	(0.000754)	(0.00128)	(0.000794)	(0.00130)	(0.000587)	* p<0.1
Equity/Total Assets	-0.00635	-0.00395	-0.000131	-0.00341	0.000303	-0.00613	-0.00160	
	(0.00439)	(0.00418)	(0.00159)	(0.00423)	(0.00148)	(0.00419)	(0.00102)	
MACRO CONTROLS	YES	YES	YES	YES	YES	YES	YES	
Observations	3,228	3,228	3,228	3,228	3,228	3,228	3,228	

\implies Large differences for banks in distinct countries

Basel III/CRD4 [Reg. 36/2013 & Dir. 575/2013]

- Single Rulebook
- Still some national options and discretions
- Trend towards more uniform regulatory framework

3. A New Indicator for Prudential Regulation

Focus on the CRD Implementation

Two types of **Options and Discretions** (O&Ds)



Case-by-Case O&Ds Supervisory Authorities conduct bank-specific assessment to authorise more favourable regulatory treatment.

REGULATORY FLEXIBILITY

SUPERVISORY DISCRETION

- CEBS (now EBA) identified 152 O&Ds in the CRD
- We construct a quantitative indicator based on the CRD implementation by EU countries in all the areas.
- Higher value of the indicator = more permissive treatment for all banks (Regulatory Flexibility) or some of them (Supervisory Discretion)
 Regulatory Flexibility

and Supervisory Discretion



7. Bank Heterogeneity: Empirical Results

1. Interaction with Liquidity (Liquid Assets/Deposits& Short-Term Funding)



2. Interaction with Government Bonds (Gov. Securities/Total Assets)



4. Dataset

- Consider 696 banks in 17 EU countries (EU15, MT, CY) with at least 5bn € of total assets in the period 2000-2008
- 1. Bank balance sheet variables (Bankscope)
- Bank-level measures of crisis support (Recapitalisations, Liabilities Guarantees, Asset Relief, Liquidity Facilities)
- 3. Country-level indicator of prudential regulation
- 4. Country-level macro variables

8. Conclusions

1. Higher probability of crisis support for banks in countries with *more flexible regulation* or *supervisory discretion*.

2. Rules versus Discretion

 Regulatory Flexibility may imply larger increase in the prob. of crisis support than Supervisory Discretion

3. Heterogeneity across banks

 Larger increase in the support prob. for banks subject to laxer prudential framework if they are more financially fragile (subject to higher liquidity constraints).

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