1. Introduction

Pre GFC regulation for Credit Risk (IAS 39) - Incurred Loss Model (IL)

Only records credit losses that have been incurred (ie after default or

- Criticized for ack of increase in capital to account for build u in the pre-crisis period.
- Criticized for exacerbation of crisis effects due to lar consequent reduction in lending due to capital shortfall.

Post GFC regulation for Credit Risk (IFRS 9) - Expected Credit Loss M

- Requirement for recognition of future credit losses.
- Banks need to predict and recognize losses over a 12-mon initiation.
- Any credit impairment requires prediction of lifetime ECL.

2. What effect should ECL implementation have on systemic

Reduction in Systemic risk due to ECL Implementation

Improve the timeliness of loan loss recognition, potentially re of sudden, large-scale default (BIS 2015; Beatty & Liao, 2 Espinosa et al., 2021).

Increase in Systemic risk due to ECL Implementation

- **□** ECL model favors assets with short-term, predictable, and leading to portfolio homogenization (Caballero et al, 2016).
- Similar risk assessment methodologies under the ECL reinforces this homogeneity (Goldstein et al., 2024).

3. Data and Methodology

- Cross-country sample of 615 banks in 68 countries from Banl \bullet Datastream, BVD EIU Country Data.
- Data on ECL adoption from López-Espinosa et al. (2021); ECL a countries in Jan 2018.
- Systemic risk measured using ΔCoVAR (Adrien & Brunnermeier, 2
- Alternative Measure: Marginal Expected Shortfall (Acharya et al,
- **Empirical Model**

$\Delta CoVAR_{ict} = \alpha_0 + \beta \cdot Treat_{ic} \cdot Post_t + \gamma Controls + u_i$ DID estimation (*i*=bank, *c*=country, *t*=week, *Post*=Dummy for yea *Treat*=dummy for adopting countries)

Uniform Standards, Unified Risks: How the Expected Credit Loss Model homogenizes banks and amplifies systemic risk Juejin Chen¹, Yupeng Lin², Ruichang Lu³, Anand Srinivasan², Xiaojun Zhang³ ¹Jimei University;²National University of Singapore;³Peking University, Guanhua School of Management

	4. Results							
	(1) Baseline		(2) Impact of macroeconomic conditions					
r delinquency) up of systemic risk rge defaults and Iodel (ECL) hth period at loan	Treat x Post Observations R-squared (3) Impact of C Treat x Post Treat x Post x COVID-19	ΔCoVAR 0.263*** 216,993 0.722 Ο Ο ΔCoVAR 0.173*** 0.185***	 ► The in system ► The in experie ► Increase 	GDP High ost 0.037 onplementation ic risk ncrease is enced lower a sed impact du	Growth Low 0.430*** on of ECL focused of growth or lo uring COVID	Countr High -0.038 leads to on court ower stoc over stoc	y Return Low 0.352*** a rise in tries tha ck return.	
c risk?	5. What mech	nanisms cai	n explain tl	his increase	e?			
educe the likelihood 2014; 2020; López- lower-risk profiles,	 Loan loss provision (LLP) comovement: When confronted with share macroeconomic shocks, banks' loan loss provisions tends to fluctuate in uniform direction. Asset similarity: ECL model might incentivize banks to hold more similar asse portfolios. Similar credit risk model: Similar methods for credit risk portfolios acros different institutions, measured by common auditor. 							
tramework further	Impact on ΔCoVAR		vement	ement Asset Similarity		Credit Model Similarity		
kFocus, CRSP and	Treat × Post	High 0.360***	Low 0	High 0.316*** 0	Low H .173* 0.4	High 97***	Low 0.001	
adoption for most	 All three measures increase for countries that adopt ECL. Higher values of LLP comovement and asset similarity, as well as greater share banks with common auditors result in higher increases in systemic risk.` 							
2016) 2017)	6. Conclusion	Conclusion						
$+ v_t + \varepsilon_{ict}$ ar ≥ 2018,	 Results highlight the unintended systemic risk consequences of standardiz accounting practices. Supports prior theory on asset harmonization leading to greater systemic risk. Highlight additional channel of homogenization of credit risk model via comm 							

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ION auditors leading to larger increases in systemic risk.