



When Do Currency Unions Benefit From Default?

Xuan Wang | xuan.wang@economics.oxon.org

- risks: Credit performing loans (NPLs) arising in equilibrium.
- rigidity causes banking insolvency causes pecuniary externality.
- remove this pecuniary externality.

Regime design

- code, $\lambda > \lambda^H$ (e.g. EA).
- transfers (e.g. China, US (see Sargent, 2012)).
- but lenient cross-border bankruptcy code, $\lambda < \lambda < \lambda^{H}.$

Key results

- **Proposition 1 (capital flow and banking crisis)** flow leads to domestic banking insolvency. banking insolvency -> bailout cost/fiscal austerity -> pecuniary externality
- drive banking insolvency.

Nominal friction: bank liquidity creation against an offsetting credit, "inside money" -> nonneutrality of money and price-level determinacy.

endogenous default -> non-

Key distortion: currency union removes relative price between monies -> exchange rate nominal (Drèze liquidity rationing equilibrium) -> no "buffering" for NPLs -> hence,

Main idea: bankruptcy code adjustment to

Regime A (baseline – internal devaluation): no fiscal union, punitive cross-border bankruptcy

Regime B (fiscal union): cross-country fiscal

Regime C (bankruptcy leniency): no fiscal union,

In **Regime A (internal devaluation)**, the volatility of domestic credit risks and cross-border capital

Regime B (fiscal union) neutralizes the domestic credit risks and cross-border capital flow does not banking insolvency.

Proposition 2 (Regime C and Pareto improvement)

• Without a fiscal union, bankruptcy leniency in the cross-border capital markets can Pareto improve a currency union. Intuition: default -> voluntary liquidity transfer cross*border -> transaction cost (invisible hand*)





In **Regime C** (bankruptcy leniency), default in cross-border capital markets prevents domestic

| nparative statics | | |
|----------------------|---------------------------------|---------------------------------|
| Regime A enchmark | Regime B fiscal union | Regime C bankruptcy leniency |
| | | |
| | | |
| | _ | |
| yes | no | no |
| yes | no | no |
| indicates the se | verity of distortions | |

Why is bankruptcy leniency important?

Bankruptcy leniency recoups some lost benefits of nominal floating exchange rates as shock absorbers

Extension: consider credible national currencies Proposition 3 (FX and credit risk neutralisation): competitive floating exchange rates, domestic credit risks are state invariant, banks

Remark: Current account and capital account exactly

Policy implication and implementation

• For a currency union lacking in a fiscal union, the bankruptcy code needs to soften.

Because it compensates for the loss of FX.

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