

The European Sovereign Debt Crisis[†]

Philip R. Lane

The capacity of the euro-member countries to withstand negative macroeconomic and financial shocks was identified as a major challenge for the success of the euro from the beginning (in this journal, for example, see Feldstein 1997; Wyplosz 1997; Lane 2006). By switching off the option for national currency devaluations, a traditional adjustment mechanism between national economies was eliminated. Moreover, the euro area did not match the design of the “dollar union” of the United States in key respects, since the monetary union was not accompanied by a significant degree of banking union or fiscal union. Rather, it was deemed feasible to retain national responsibility for financial regulation and fiscal policy.

On the one side, the ability of national governments to borrow in a common currency poses obvious free-rider problems if there are strong incentives to bail out a country that borrows excessively (Buiter, Corsetti, and Roubini 1993; Beetsma and Uhlig 1999). The original design of the euro sought to address the over-borrowing incentive problem in two ways. First, the Stability and Growth Pact set (somewhat arbitrary) limits on the size of annual budget deficits at 3 percent of GDP and the stock of public debt of 60 percent of GDP. Second, the rules included a “no bailout” clause, with the implication that a sovereign default would occur if a national government failed to meet its debt obligations.

On the other side, the elimination of national currencies meant that national fiscal policies took on additional importance as a tool for countercyclical macroeconomic policy (Wyplosz 1997; Gali and Monacelli 2008; Gali 2010). Moreover, since

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banking regulation remained a national responsibility, individual governments continued to carry the risks of a banking crisis: both the direct fiscal costs (if governments end up recapitalizing banks or providing other forms of fiscal support) and also the indirect fiscal costs since GDP and tax revenues tend to remain low for a sustained period in the aftermath of a banking crisis (Honohan and Klingebiel 2003; Reinhart and Rogoff 2009).

There are three phases in the relationship between the euro and the European sovereign debt crisis. First, the initial institutional design of the euro plausibly increased fiscal risks during the pre-crisis period. Second, once the crisis occurred, these design flaws amplified the fiscal impact of the crisis dynamics through multiple channels. Third, the restrictions imposed by monetary union also shape the duration and tempo of the anticipated post-crisis recovery period, along with Europe's chaotic political response and failure to have institutions in place for crisis management. We take up these three phases in the next three major sections of this article, and then turn to reforms that might improve the resilience of the euro area to future fiscal shocks.

As will be clear from the analysis below, the sovereign debt crisis is deeply intertwined with the banking crisis and macroeconomic imbalances that afflict the euro area. Shambaugh (2012) provides an accessible overview of the euro's broader economic crisis. Even if the crisis was not originally fiscal in nature, it is now a full-blown sovereign debt crisis and our focus here is on understanding the fiscal dimensions of the euro crisis.

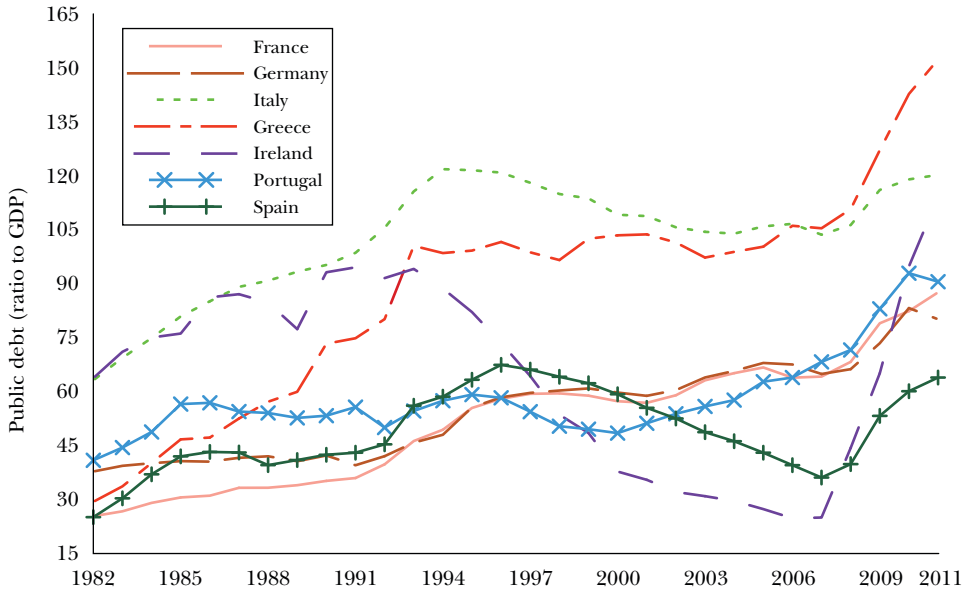
Pre-Crisis Risk Factors

Public debt for the aggregate euro area did not, at least at first glance, appear to be a looming problem in the mid 2000s. During the previous decade, the euro area and the United States shared broadly similar debt dynamics. For example, the ratio of gross public debt to GDP in 1995 was about 60 percent for the United States and 70 percent for the set of countries that would later form the euro area, based on my calculations with data from the IMF Public Debt Database. In both the United States and the euro area, the debt/GDP ratios declined in the late 1990s, but had returned to mid 1990s levels by 2007. The debt/GDP ratios then climbed during the crisis, growing more quickly for the United States than for the euro area.¹

However, the aggregate European data mask considerable variation at the individual country level. Figure 1 shows the evolution of public debt ratios for seven key euro area countries over 1982–2011. These countries were chosen because Germany, France, Italy, and Spain are the four largest member economies, while the fiscal crisis so far has been most severe in Greece, Ireland, and Portugal (of course, Italy

¹ For a detailed country-by-country breakdown of the evolution of public sector debt across these seven countries from 1992–2011, see the Appendix available online with this paper at (<http://ejep.org>).

Figure 1
The Evolution of Public Debt, 1982–2011



Source: Data from IMF Public Debt Database.

and Spain have also been flagged as fiscally vulnerable countries during the crisis). Clearly, these countries have quite different debt histories.

In one group, both Italy and Greece had debt/GDP ratios above 90 percent since the early 1990s; these countries never achieved the 60 percent debt/GDP limit specified in the European fiscal rules. Ireland, Portugal, and Spain each achieved significant declines in debt ratios in the second half of the 1990s, dipping below the 60 percent ceiling. While the Portuguese debt ratio began to climb from 2000 onwards, rapid output growth in Ireland and Spain contributed to sizable reductions in debt–output ratios up to 2007. Finally, France and Germany had stable debt/GDP ratios at around 60 percent in the decade prior to the onset of the crisis; indeed, their debt ratios were far above the corresponding values for Ireland and Spain during 2002–2007. Thus, circa 2007, sovereign debt levels were elevated for Greece and Italy, and the trend for Portugal was also worrisome, but the fiscal positions of Ireland and Spain looked relatively healthy. Moreover, the low spreads on sovereign debt also indicated that markets did not expect substantial default risk and certainly not a fiscal crisis of the scale that could engulf the euro system as a whole.

However, with the benefit of hindsight, 1999–2007 looks like a period in which good growth performance and a benign financial environment masked the accumulation of an array of macroeconomic, financial, and fiscal vulnerabilities (Wyplosz 2006; Caruana and Avdjiev 2012).

Table 1
Private Credit Dynamics

	<i>Loans to private sector from domestic banks and other credit institutions (percent of GDP)</i>		
	<i>1998</i>	<i>2002</i>	<i>2007</i>
Greece	31.8	56.5	84.4
Ireland	81.2	104.4	184.3
Portugal	92.1	136.5	159.8
Spain	80.8	100.1	168.5
Italy	55.7	77.3	96.5
Germany	112.2	116.7	105.1
France	81.0	85.6	99.3

Source: World Bank Financial Database.

Financial Imbalances and External Imbalances

A key predictor of a banking crisis is the scale of the preceding domestic credit boom (Gourinchas and Obstfeld 2012). Table 1 shows the evolution of credit/GDP ratios for the seven euro area countries. The European periphery experienced strong credit booms, in part because joining the euro zone meant that their banks could raise funds from international sources in their own currency—the euro—rather than their previous situation of borrowing in a currency not their own (say, U.S. dollars or German marks or British pounds) and then hoping that exchange rates would not move against them. In related fashion, lower interest rates and easier availability of credit stimulated consumption-related and property-related borrowing (Fagan and Gaspar 2007).

A related phenomenon was the increase in the dispersion and persistence of current account imbalances across the euro area. Table 2 shows that current account imbalances were quite small in the pre-euro 1993–1997 period. But, by the 2003–2007 period, Portugal (–9.2 percent of GDP), Greece (–9.1 percent), and Spain (–7.0 percent) were all running very large external deficits. Conversely, Germany ran very large external surpluses averaging 5.1 percent of GDP, while the overall euro area current account balance was close to zero.

To the extent that current account imbalances accelerated income convergence by reallocating resources from capital-abundant high-income countries to capital-scarce low-income countries, this would be a positive gain from monetary union (Blanchard and Giavazzi 2002). Similarly, current account deficits might have facilitated consumption smoothing by the catch-up countries to the extent that current income levels were perceived to be below future income levels. However, if capital inflows rather fueled investment in capital that had little effect on future productivity growth (such as real estate) and delayed adjustment to structural shocks (such as increasing competition from Central and Eastern Europe and emerging Asia in the production of low-margin goods),

Table 2
Current Account Balances
(percent of GDP)

	1993–1997	1998–2002	2003–2007	2008–2011
Greece	-2.0	-5.9	-9.1	-11.1
Ireland	3.4	-0.2	-2.6	-1.6
Italy	2.1	0.2	-1.8	-2.9
Portugal	-2.4	-9.0	-9.2	-10.5
Spain	-0.6	-3.1	-7.0	-5.8
France	1.1	2.0	-0.2	-1.9
Germany	-0.9	-0.3	5.1	5.7

Source: International Monetary Fund's World Economic Outlook database.

then the accumulation of external imbalances posed significant macroeconomic risks (Blanchard 2007; Giavazzi and Spaventa 2011; Chen, Milesi-Ferretti, and Tressel forthcoming).

For countries running large and sustained external deficits, Blanchard (2007) identifies several risk factors. In terms of medium-term growth performance, a current account deficit can be harmful if increased expenditure on nontradables squeezes the tradables sector by bidding up wages and drawing resources away from industries that have more scope for productivity growth. This is especially risky inside a currency union, because nominal rigidities mean that the downward wage adjustment required once the deficit episode is over can only be gradually attained through a persistent increase in unemployment.

In addition, a large current account deficit poses short-term risks, if there is a sudden stop in funding markets such that the deficit must be narrowed quickly. Large and sudden capital flow reversals have often proven costly in terms of output contractions, rising unemployment, and asset price declines (Freund and Warnock 2007). A reversal in capital flows is also associated with a greater risk of a banking crisis, especially if capital flows have been intermediated through the domestic banking system.

The 2003–2007 Boom

The most intense phase of the dispersion in credit growth and current account imbalances did not occur at the onset of the euro in 1999. Rather, there was a discrete increase during 2003–2007 (Lane and Pels 2012; Lane and McQuade 2012). A complete explanation for the timing of this second, more intense phase of current account deficits and credit booms is still lacking, but the simultaneous timing with the securitization boom in international financial markets, the U.S. subprime episode, and the decline in financial risk indices suggest that the answer may be found in the underlying dynamics of the global financial system and the unusually low long-term interest rates prevailing during this period.

The credit boom in this period was not primarily due to government borrowing. For Ireland and Spain, the government was not a net borrower during 2003–2007. Rather, households were the primary borrowers in Ireland and corporations in Spain, with the property boom fueling debt accumulation in both countries. In Portugal and Greece, the government and corporations were both significant borrowers, but these negative flows were partly offset during this period by significant net accumulation of financial assets by the household sector in these countries.

Failure to Tighten Fiscal Policy

Looking back, the failure of national governments to tighten fiscal policy substantially during the 2003–2007 was a missed opportunity, especially during a period in which the private sector was taking on more risk. In some countries (Ireland and Spain), the credit and housing booms directly generated extra tax revenues, since rising asset prices, high construction activity, and capital inflows boosted the take from capital gains taxes, asset transaction taxes, and expenditure taxes. Faster-growing euro member countries also had inflation rates above the euro area average, which also boosted tax revenues through the non-indexation of many tax categories. Finally, low interest rates meant that debt servicing costs were below historical averages. However, these large-scale revenue windfalls were only partially used to improve fiscal positions, with the balance paid out in terms of extra public spending or tax cuts. Overall, fiscal policy became less countercyclical after the creation of the euro, undoing an improvement in cyclical performance that had been evident in the 1990s (Benetrix and Lane 2012).

A contributory factor in the failure to tighten fiscal policy was the poor performance of the analytical frameworks used to assess the sustainability of fiscal positions. In evaluating the cyclical conduct of fiscal policy from 2002–2007, domestic authorities and international organizations such as the IMF, OECD, and European Commission primarily focused on point estimates of the output gap in order to estimate the “cyclically adjusted” budget balance, without taking into account the distribution of macroeconomic, financial, and fiscal risks associated with the expansion in external imbalances, credit growth, sectoral debt levels, and housing prices. A more prudential and forward-looking approach to risk management would have suggested more aggressive actions to accumulate buffers that might help if or when the boom ended in a sudden and disruptive fashion (Lane 2010).

For the euro periphery, the 2008 global financial crisis triggered a major reassessment among investors of the sustainability of rapid credit growth and large external deficits. In turn, this took the form of significant private sector capital outflows, the tightening of credit conditions, and a shuddering halt in construction activity, with national banking systems grappling with the twin problems of rising estimates of loan losses and a liquidity squeeze in funding markets. In turn, the combined impact of domestic recessions, banking-sector distress, and the decline in risk appetite among international investors would fuel the conditions for a sovereign debt crisis.

The Financial Crisis and the Sovereign Debt Crisis

August 2007 marked the first phase of the global financial crisis, with the initiation of liquidity operations by the European Central Bank. The high exposure of major European banks to losses in the U.S. market in asset-backed securities has been well documented, as has the dependence of these banks on U.S. money markets as a source of dollar finance (McGuire and von Peter 2009; Acharya and Schnabl 2010; Shin 2012). The global crisis entered a more acute phase in September 2008 with the collapse of Lehman Brothers. The severe global financial crisis in late 2008 and early 2009 shook Europe as much as the United States.

From Financial Shock to Sovereign Debt Crisis

Through 2008 and 2009, there was relatively little concern about European sovereign debt. Instead, the focus was on the actions of the European Central Bank to address the global financial shock. In tandem with the other major central banks, it slashed short-term interest rates, provided extensive euro-denominated liquidity, and entered into currency swap arrangements to facilitate access by European banks to dollar-denominated liquidity.

But the global financial shock had asymmetric effects across the euro area. Cross-border financial flows dried up in late 2008, with investors repatriating funds to home markets and reassessing their international exposure levels (Milesi-Ferretti and Tille 2011). This process disproportionately affected countries with the greatest reliance on external funding, especially international short-term debt markets. Inside the euro area, Ireland was the most striking example: the high dependence of Ireland's banking system on international short-term funding prompted its government at the end of September 2008 to provide an extensive two-year liability guarantee to its banks (Honohan 2010; Lane 2011).

More generally, the global financial crisis prompted a reassessment of asset prices and growth prospects, especially for those countries that displayed macro-economic imbalances. For instance, Lane and Milesi-Ferretti (2011) show that the pre-crisis current account deficit and rate of domestic credit expansion are significant correlates of the scale of the decline in output and expenditure between 2007 and 2009, while Lane and Milesi-Ferretti (forthcoming) show that "above-normal" current account deficits during 2005–2008 were associated with sharp current account reversals and expenditure reductions between 2008–2010. The cessation of the credit boom was especially troubling for Ireland and Spain, since the construction sectors in these countries had grown rapidly. The decline in construction was a major shock to domestic economic activity, while abandoned projects and falling property prices indicated large prospective losses for banks that had made too many property-backed loans.

Still, euro area sovereign debt markets remained relatively calm during 2008 and most of 2009. During this period, the main focus was on stability of the area-wide banking system, with country-specific fiscal risks remaining in the background. Furthermore, the relatively low pre-crisis public debt ratios of Ireland and Spain

gave some comfort that these countries could absorb the likely fiscal costs associated with a medium-size banking crisis. Demand for sovereign debt of euro area countries was also propped up by banks that valued government bonds as highly rated collateral in obtaining short-term loans from the European Central Bank (Buiter and Sibert 2006).

In late 2009, the European sovereign debt crisis entered a new phase. Late that year, a number of countries reported larger-than-expected increases in deficit/GDP ratios. For example, fiscal revenues in Ireland and Spain fell much more quickly than GDP, as a result of the high sensitivity of tax revenues to declines in construction activity and asset prices. In addition, the scale of the recession and rising estimates of prospective banking-sector losses on bad loans in a number of countries also had a negative indirect impact on sovereign bond values, since investors recognized that a deteriorating banking sector posed fiscal risks (Mody and Sandri 2012).

However, the most shocking news originated in Greece. After the general election in October 2009, the new government announced a revised 2009 budget deficit forecast of 12.7 percent of GDP—more than double the previous estimate of 6.0 percent.² In addition, the Greek fiscal accounts for previous years were also revised to show significantly larger deficits. This revelation of extreme violation of the euro's fiscal rules on the part of Greece also shaped an influential political narrative of the crisis, which laid the primary blame on the fiscal irresponsibility of the peripheral nations, even though the underlying financial and macroeconomic imbalances were more important factors.

These adverse developments were reflected in rising spreads on sovereign bonds. For example, the annual spread on ten-year sovereign bond yields between Germany and countries such as Greece, Ireland, Portugal, Spain, and Italy was close to zero before the crisis. Remember that sovereign debts from these countries are all denominated in a common currency, the euro, so differences in expected yield mainly represent perceived credit risks and differences in volatility.

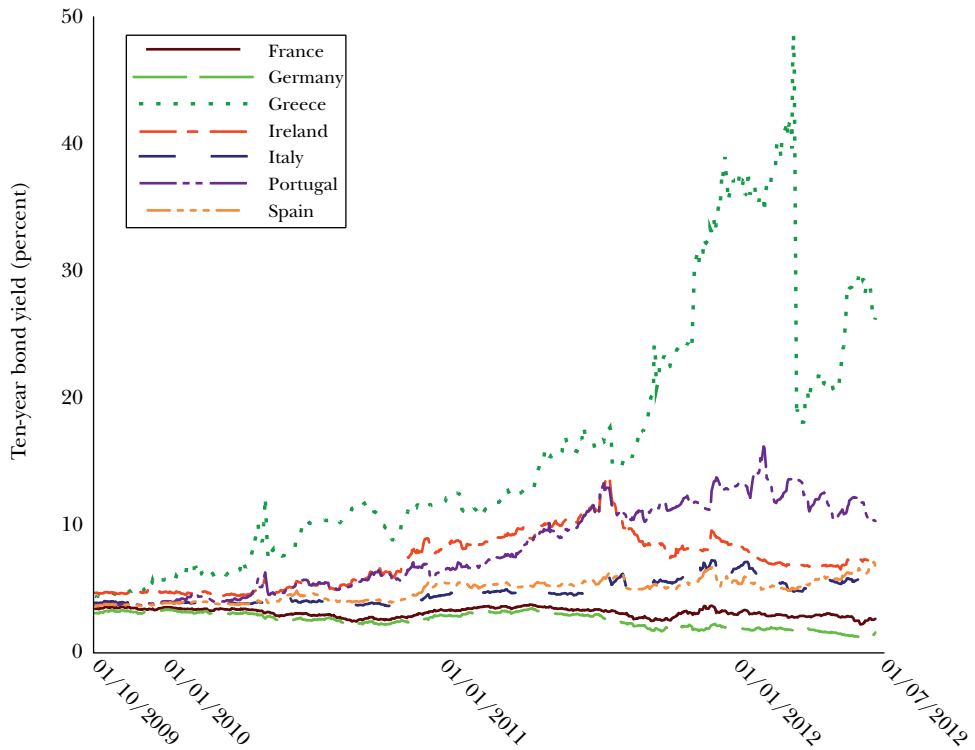
Figure 2 shows the behavior of country-level ten-year bond yields for seven euro area countries from October 2009 through June 2012. Three particularly problematic periods stand out. First, the Greek yield began to diverge from the group in early 2010, with Greece requiring official assistance in May 2010. Second, there was strong comovement between the Irish and Portuguese yields during 2010 and the first half of 2011 (Ireland was next to require a bailout in November 2010, with Portugal following in May 2011). Third, the yields on Italy and Spain have moved together, with these spreads at an intermediate level between the bailed out countries and the core countries of Germany and France. For Italy and Spain, the spread against Germany rose above 300 basis points in July 2011 and remained at elevated levels thereafter. In 2011, a visible spread also emerges between the French and

² See also Gibson, Hall, and Tavlás (2012). These authors also point out that the Greek announcement was coincidentally soon followed by the surprise request from Dubai World for a debt moratorium, such that the climate in international debt markets markedly deteriorated in October/November 2009.

Figure 2

Yields on Ten-Year Sovereign Bonds, October 2009 to June 2012

(percent)



Source: Author's calculations based on data from Datastream.

German yields, although the greater relative vulnerability of France is not pursued in this paper.

Cobbling Together a Response to the Sovereign Debt Crisis

Greece was the first country to be shut out of the bond market in May 2010, with Ireland following in November 2010, and Portugal in April 2011. (In June 2012, Spain and Cyprus also sought official funding. At the time of writing, it is unclear whether Spain will require only a limited form of official funding to help it recapitalize its banking system or a larger-scale bailout.)

In each of the three bailouts, joint European Union/IMF programs were established under which three-year funding would be provided on condition that the recipient countries implemented fiscal austerity packages and structural reforms to boost growth (especially important in Greece and Portugal) and recapitalized and deleveraged overextended banking systems (especially important in Ireland). The scale of required funding far exceeded normal IMF lending levels, so the European

Union was the major provider of funding. At that time, it was also decided to set up a temporary European Financial Stability Facility that could issue bonds on the basis of guarantees from the member states in order to provide official funding in any future crises. In addition, the pre-existing European Stability Mechanism, which had previously only been used for balance-of-payments foreign currency support for non-euro member countries, was adapted to also provide funding for euro member countries.

In principle, a temporary period of official funding can benefit all parties. For the borrower, it can provide an opportunity for a government to take the typically unpopular measures necessary to put public finances on a trajectory that converges on a sustainable medium-term path, while also implementing structural reforms that can boost the level of potential output. For the lender, avoiding default can benefit their creditor institutions (especially banks), while guarding against possible negative international spillovers from a default.

The details of the funding plans for Greece, Ireland, and Portugal largely copied standard IMF practices, but they faced a number of potential problems. Here are six issues, in no particular order.

First, given the scale of macroeconomic, financial, and fiscal imbalances, the plausible time scale for macroeconomic adjustment was longer than the standard three-year term of such deals. In particular, fiscal austerity by individual member countries cannot be counterbalanced by a currency devaluation or an easing in monetary conditions, which is especially costly if a country has to simultaneously close both fiscal and external deficits. By June 2011, it was clear that Greece would need a second package, while it is also likely that Ireland and Portugal will not be able to obtain full market funding after the expiry of their current deals. The slow pace of adjustment was also recognized in Summer 2011 through the extension of the repayment period on the official debt from 7.5 years to 15–30 years.

Second, in related fashion, excessively rapid fiscal consolidation can exacerbate weaknesses in the banking system. Falling output and a rising tax burden shrinks household disposable income and corporate profits, increasing private sector default risk. This was identified as an especially strong risk in the Irish program in view of the scale of household debt.

Third, the fiscal targets were not conditional on the state of the wider European economy. As growth projections for the wider European economy declined throughout 2011, the country-specific targets looked unobtainable for external reasons.

Fourth, the original bailouts included a sizable penalty premium of 300 basis points built into the interest rate, which is standard IMF practice. A penalty rate discourages countries from the moral hazard of taking such loans when not really needed and also compensates the funders for the nontrivial default risk. However, it also makes repaying the loans harder and gives an appearance that the creditor EU countries are profiteering at the expense of the bailed-out countries. This penalty premium on the European component of the official loans was eliminated in July 2011, although the interest rate on the IMF-sourced component of the funds continued to include a penalty premium.

Fifth, the bailout funds have been used to recapitalize banking systems, in addition to covering the “regular” fiscal deficits. So far, this element has been most important in the Irish bailout, but it was also a feature of the Greek and Portuguese bailouts; it is also the primary element in the official funding requested by Spain in June 2012. While publicly funded recapitalization of troubled banks can ameliorate a banking crisis, this strategy is problematic if it raises public debt and sovereign risk to an excessive level (Acharya, Drechsler, and Schnabl 2010). Moreover, excessive levels of sovereign debt can amplify a banking crisis for several reasons: domestic banks typically hold domestic sovereign bonds; a sovereign debt crisis portends additional private sector loan losses for banks; and a highly indebted government is likely to lean on banks to provide additional funding (Reinhart and Sbrancia 2011). Furthermore, the generally poor health of major European banks and the cross-border nature of financial stability inside a monetary union means that national governments are under international pressure to rescue failing banks in order to avoid the cross-border contagion risks from imposing losses on bank creditors.³ Despite these international externalities, at least until mid 2012, the only type of European funding for bank rescues was plain-vanilla official loans to the national sovereign, with fixed repayment terms. Under this approach, the fates of national sovereigns and national banking systems remain closely intertwined.

The sixth issue involves a standard IMF principle that funding is only provided if the sovereign debt level is considered to be sustainable. If it is not sustainable, the traditional IMF practice has been to require private sector creditors to agree to a reduction in the present value of the debt owed to them. Under the joint EU–IMF programs, such “private sector involvement” was not initially deemed necessary in the three bailouts of 2010 and 2011.

The argument against requiring private sector involvement is that it can spook an already nervous sovereign debt market. For example, when the prospect of requiring private sector involvement was broached in October 2010 (in the Franco-German “Deauville Declaration”), interest rate spreads immediately increased, especially for Greece, Ireland, and Portugal. Ireland’s efforts to avoid a bailout came to a halt soon thereafter in early November 2010. European banks also had increased difficulties in raising funds, especially the local banks in the troubled periphery, in line with the increase in the perceived riskiness of their home governments.

The March 2012 agreement to provide Greece with a second bailout package did require that private sector creditors accept a haircut, which eventually turned out to be about 50 percent of value, which is equal to 47 percent of Greek GDP.⁴ But

³ The poor design of European bank resolution regimes has also increased the fiscal cost of rescuing banks, since it is difficult to shut down failing banks and impose losses on holders of the senior bonds issued by banks.

⁴ Although the plausibility of this projection has been disputed by many commentators, the second bailout package is officially projected to deliver a Greek debt/GDP ratio of 120 percent by 2020, which is a shade above the debt ratios of some of the other troubled euro member countries. See also Ardagna and Caselli (2012) for an account of the Greek crisis.

as this requirement was discussed during the course of 2011, it contributed to the sharp widening of the spreads on Spanish and Italian debt.

Listing some of the difficulties in this way may make the European response to its sovereign debt issues appear more coherent than it has actually been. Instead, it may be fair to characterize Europe's efforts to address its sovereign debt problem as makeshift and chaotic, at least through the middle of 2012.

Risks of Multiple Equilibria when Sovereign Debt is High

A significant factor during the crisis has been the increased volatility in euro area sovereign debt markets. A country with a high level of sovereign debt is vulnerable to increases in the interest rate it pays on its debt (Calvo 1988; Corsetti and Dedola 2011). This risk can give rise to self-fulfilling speculative attacks: an increase in perceptions of default risk induces investors to demand higher yields, which in turn makes default more likely. In contrast, if default risk is perceived to be low, interest rates remain low, and default does not occur. This multiple equilibria problem may have greater force in the context of a multicountry currency union, since a small adverse shift in the fundamentals of one individual country can trigger a large decline in demand for the sovereign debt of that country as investors "run for the exit" and switch to sovereign debt of other safer euro area countries.

What policies might encourage the "good" equilibrium? One option is to create a firewall through the availability of an official safety net. This would reduce the risk of the "bad" equilibrium arising because investors would not need to fear that a country will be pushed into involuntary default by an inability to rollover its debt. As of mid 2012, the available funding through the European Financial Stability Facility and its successor, the European Stability Mechanism, was only enough to address the bailouts of Greece, Ireland, and Portugal—and thus not nearly sufficient to offer substantial support to Spain and/or Italy. Proposals to create a large firewall fund are politically unpopular in creditor countries for many reasons, including fear of taking losses, and concerns that such a fund would tempt politicians in at-risk countries to postpone or avoid tough fiscal and structural reform decisions.

The European Central Bank's program to purchase sovereign bonds can also be viewed as a way to reduce the risk of the "bad" equilibrium. Between May 2010 and October 2010, about 65 billion euro of bonds were bought by the ECB; a further 125 billion euro were committed during the market turmoil between August 2011 and November 2011 such that the cumulative bond holdings grew to over 200 billion euros (about 2 percent of euro area GDP). The ECB has taken pains to emphasize that these purchases are not monetizing debt because liquidity created is canceled out through offsetting sterilization operations. Instead, the program seeks to provide liquidity and depth when certain sovereign debt markets are troubled. A useful analogy here is to the modern argument for currency market interventions. Such interventions do not try to fix asset values; instead, limited intervention by a central bank can be temporarily stabilizing by breaking momentum dynamics.

There have also been calls for the European Central Bank to take further steps to stabilize the sovereign debt market (for example, De Grauwe 2012). At

one level, it could increase the firepower of the European Stability Mechanism by allowing it to borrow from the ECB. Going further, the ECB could announce a ceiling to the interest rate it would tolerate on the sovereign debt of countries that meet certain fiscal criteria (such as taking credible steps to ensure debt declines to a safe level over the medium term), and guarantee to buy the debt at that price if needed.

Even more controversially, outright debt monetization might be viewed in some quarters as preferable to outright default by large member countries if it becomes clear that solvency concerns are so great that market funding will not be available for an extended period. While debt monetization exceeds the current legal mandate of the European Central Bank, debate over these proposals might heat up if a more acute and severe phase of the crisis were to take hold. At least for now, it is hard to envisage that such a change would be supported by all member countries of the euro area. However, it is also important to appreciate that the reserve capacity to monetize debt is commonly cited as the reason why highly indebted governments such as Japan, the United Kingdom, and the United States are still able to borrow at low interest rates.

Prospects for Post-Crisis Reduction in Sovereign Debt

The legacy of the euro area sovereign debt crisis is that a number of countries will have dangerously elevated public debt ratios, while others will have debt levels that are lower by comparison but still high relative to long-term normal values. Even if current austerity programs are sufficient to stabilize debt ratios, there remains the post-crisis adjustment challenge of gradually reducing government debt to safer levels. This medium-term challenge is viewed with trepidation in European circles. Consider four reasons why the underlying fundamentals for reducing the debt/GDP ratio are not promising.

First, growth in nominal GDP is likely to be low. Debt/GDP ratios are stickier in high-income countries than in emerging economies in part because there is less scope for rapid output growth in the former group of countries. There is nothing to suggest that real growth rates for advanced economies should exceed a long-term annual average of about 2 percent. Indeed, real annual growth of 2 percent may be optimistic given several factors: the erosion of human capital from the prolonged unemployment of the last few years (DeLong and Summers 2012); the likelihood of tax increases and reduced public investment; and the historical pattern that output growth can be compromised for a decade in the aftermath of a banking crisis (Reinhart and Rogoff 2010). For the most-indebted countries, nominal GDP is unlikely to grow much faster than real GDP. The European Central Bank has a 2 percent aggregate inflation target (approximately), and the most indebted member countries are likely to have average inflation substantially below that level in view of the correlation between domestic demand and the price level of nontradables (Lane and Milesi-Ferretti 2004).

Second, the political economy environment is likely to be challenging. The highly indebted countries will need to be led by governments that must impose spending cuts and tax increases with no short-term prospect of fiscal relaxation. Adjustment fatigue can set in, making it difficult to sustain long-term fiscal austerity.

Third, the possibilities for financing at least some of the sovereign debt through “financial repression” are limited. This approach uses tight regulations on domestic financial institutions—including banks, pension funds, and others—so that these institutions are pressured to put a greater portion of their assets than they would otherwise choose into sovereign debt (Reinhart and Sbrancia 2011). However, the principle of open capital markets across the European Union means that countries have fairly limited scope for financial repression in comparison to what was historically possible.

Fourth, risk premia will likely remain nontrivial for most indebted member countries. The large losses experienced by private sector investors in Greek sovereign debt underline that the sovereign debt of euro area member countries can no longer be categorized as risk-free investments. Indeed, the historical evidence suggests that further rounds of debt restructuring will form part of the adjustment process (see also the discussion by Reinhart, Reinhart, and Rogoff in this issue).

Accordingly, the medium-term outlook suggests that sovereign debt is likely to pose significant policy challenges for the euro area over the next few years. The next section outlines some possible reforms that could help to alleviate the situation and avoid a similar disaster in the future.

Reforms to Address Sovereign Debt Concerns

The high outstanding sovereign debt levels and the importance of avoiding future fiscal crises in the euro area have induced reforms to the fiscal rules for the euro area, with a new Fiscal Compact Treaty that is scheduled to go into effect at the start of 2013 (if it is ratified by 12 members of the euro area by then). The Fiscal Compact requires that the new fiscal principles be embedded in each country’s national legislation. These fiscal governance reforms are based on two principles: first, high public debt levels pose a threat to fiscal stability; and, second, the fiscal balance should be close to zero “over the cycle.”

The operation of the pre-crisis fiscal rules focused on the overall budget balance, with a maximum annual budget deficit set at 3 percent of GDP, while there was no strong pressure on highly indebted countries (such as Greece and Italy) to reduce debt levels below the specified 60 percent ceiling. Even on its own terms, this approach had two main defects: it did not adequately allow for cyclical variation in budget positions, and it did not provide much discipline for countries inside the limit.

In contrast, the new system focuses on the structural budget balance, thus stripping out cyclical effects and one-off items. A structural budget balance

target encourages a government to bank cyclical revenue gains during upturns in exchange for a greater slippage in the overall budget balance during recessions. Under the new system, there is a specified time frame for reducing public debt below the ceiling of 60 percent of GDP, with the excess above the ceiling eliminated at an average rate of “one twentieth” each year.

This new approach faces several implementation problems. For example, a fiscal framework based on structural budget balance faces knotty measurement problems because it requires macroeconomic forecasters to differentiate between cyclical fluctuations and trend fluctuations in output almost in real time. For this reason, the Fiscal Compact requires that governments enact a mechanism that requires adjustments if the forecast errors for the structural budget balance cumulate over several years to a significant level. In the German fiscal law, for example, a cumulative overshoot above 1.5 percent of GDP requires a gradual correction by running tighter structural budgets until the excess is eliminated (Bundesbank 2011).

Another potential issue is that, in contrast to the original Stability and Growth Pact, the primary source of fiscal discipline is intended to be national. The Fiscal Compact requires that the fiscal rules are written into domestic legislation and that national independent fiscal councils be created to monitor the compliance with the specified fiscal rules. The hope is that national-level discipline will be more effective, since it should have greater political legitimacy than external surveillance. However, external surveillance and the threat of external sanctions remain as a “second line of defense” against fiscal misbehavior.

In recognition that fiscal stability can be quickly undone by financial and macroeconomic shocks, the Fiscal Compact is accompanied by new European regulations that go beyond narrow fiscal governance in monitoring “excessive imbalances.” A wide range of risk indicators will be tracked, including credit growth, house price indices, and external imbalances. The intention is that a country experiencing severe imbalances should respond with policy interventions to mitigate crisis risks and improve resilience. However, it remains unclear whether national governments have the capacity to identify excessive imbalances accurately or to deploy policy instruments that can be effective in managing such risk factors.

Given the limited nature of these initiatives, more extensive reforms are also under discussion. A partial list of such proposals includes the following. First and foremost is the creation of a banking union, since the diabolic loop between national banking systems and national sovereigns has been central to the fiscal crisis. The ingredients of banking union are well-known and include European-level regulatory responsibility, deposit insurance, bank resolution policies, and a joint fiscal backstop in the event that fiscal resources were deemed necessary to stabilize the banking system (Allen, Beck, Carletti, Lane, Schoenmaker, and Wagner 2011; Brunnermeier et al. 2011; Marzinotto, Sapir, and Wolff 2011). A partial move in this direction was announced at the June 2012 European Council meeting, which also opened up the possibility of the European Stability Mechanism making direct equity injections into troubled banks. However, the details of these new plans have yet to be ironed out.

A second step is the introduction of common areawide “eurobonds,” with the goal of avoiding the disruptive impact of destabilizing speculative attacks on national sovereign debt markets inside the euro area (Favero and Missale 2012). Fiscally stronger member states might support eurobonds if it is cheaper than the alternatives for reducing default risk, for instance with bigger bailout funds. To prevent fiscally weaker member states from using eurobonds to overborrow, these could be restricted in various ways. One option is to limit eurobonds to short maturities, so that ill-disciplined countries could quickly be denied access to funding (Philippon and Hellwig 2011); another option is to limit eurobond funding only for sovereign debt up to 60 percent of GDP, with the excess still requiring funding through the issuance of national bonds (Delpla and Von Weizsäcker 2011); or eurobonds could be limited to countries that satisfy certain criteria for good macroeconomic and fiscal fundamentals (Muellbauer 2011).⁵

Alternatively, Brunnermeier et al. (2011) point out that many of the advantages of eurobonds can be obtained even if sovereign debt remains a national responsibility. In particular, a European Debt Agency could be established that would buy up large quantities of national sovereign bonds (up to a limit of 60 percent of GDP in each case). This agency would be funded by the issuance of two tranches of bonds—European Safe Bonds and European Junior Bonds—with the latter having the primary exposure in the event of defaults on the underlying portfolio of national sovereign bonds. Accordingly, the senior European Safe Bonds should be safe assets, which in turn should make them preferred collateral for central bank liquidity operations. Since this proposal does not require joint backing of sovereign debt issues, it avoids the moral hazard problems that plague the eurobond proposals.

Third, Europe might seek *a deeper level of fiscal union*, agreeing to share certain tax streams or spending programs in a way that would be delinked from fluctuations in national-level output. In related fashion, *enhanced coordination of national fiscal policies* would also be helpful, thereby enabling the collective fiscal position of the euro area to be appropriately calibrated in relation to the prevailing macroeconomic conditions.

Many of these policy proposals would require changes in the treaties governing the European Union and imply a transformative increase in the level of political integration. Paradoxically, the European crisis has generated severe political tensions across the member states, while at the same time prompting much discussion of the desirability of more extensive types of political union. In this debate, the parallels with the historical development of fiscal federalism in the United States have been well-flagged (Henning and Kessler 2012; Sargent 2012).

⁵ A temporary type of eurobond has been suggested by the German Council of Economic Experts (Bofinger, Feld, Franz, Schmidt, and Weder di Mauro 2011). Under this proposal, a jointly-backed Debt Redemption Fund would refinance the excess debt above 60 percent of GDP, thereby relieving the roll-over pressures facing highly-indebted countries. Once debt levels fall back to the 60 percent ceiling, the Debt Redemption Fund would be wound up.

In conclusion, the origin and propagation of the European sovereign debt crisis can be attributed to the flawed original design of the euro. In particular, there was an incomplete understanding of the fragility of a monetary union under crisis conditions, especially in the absence of banking union and other European-level buffer mechanisms. Moreover, the inherent messiness involved in proposing and implementing incremental multicountry crisis management responses on the fly has been an important destabilizing factor throughout the crisis.

The most benign perspective on the European sovereign debt crisis is that it provides an opportunity to implement reforms that are necessary for a stable monetary union but that would not have been politically feasible in its absence. A more modest hope is that the unfolding reform process will deliver a monetary union that can survive, even if it remains vulnerable to recurring crises. However, the alternative scenario in which the single European currency implodes is no longer unthinkable, even if it would unleash the “mother of all financial crises” (Eichengreen 2010). The stakes are high.

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References

- Acharya, Viral V., and Philipp Schnabl.** 2010. “Do Global Banks Spread Global Imbalances? The Case of Asset-Backed Commercial Paper during the Financial Crisis of 2007–09.” *IMF Economic Review* 58(1): 37–73.
- Acharya, Viral V., Itamar Drechsler, and Philipp Schnabl.** 2010. “A Pyrrhic Victory? Bank Bailouts and Sovereign Credit Risk.” *CEPR Discussion Paper* 8679.
- Allen, Franklin, Thorsten Beck, Elena Carletti, Philip R. Lane, Dirk Schoenmaker, and Wolf Wagner.** 2011. *Cross-Border Banking in Europe: Implications for Financial Stability and Macroeconomic Policies*. CEPR Report. Center for Economic Policy Research.
- Ardagna, Silvia, and Francesco Caselli.** 2012. “The Political Economy of the Greek Debt Crisis: A Tale of Two Bailouts.” Centre for Economic Performance Special Paper No. 25, London School of Economics.
- Beetsma, Roel, and Harald Uhlig.** 1999. “An Analysis of the Stability and Growth Pact.” *Economic Journal* 109(458): 546–71.
- Benetrix, Agustín, and Philip R. Lane.** 2012. “Fiscal Cyclicalities and EMU.” Unpublished paper, Trinity College Dublin.
- Blanchard, Olivier.** 2007. “Current Account Deficits in Rich Countries.” *IMF Staff Papers* 54(2): 191–219.
- Blanchard, Olivier, and Francesco Giavazzi.** 2002. “Current Account Deficits in the Euro Area: The End of the Feldstein–Horioka Puzzle?” *Brookings Papers on Economic Activity*, no. 2, pp. 147–86.
- Bofinger, Peter, Lars P. Feld, Wolfgang Franz, Christoph M. Schmidt, and Beatrice Weder di**

- Mauro.** 2011. "A European Redemption Pact." VoxEU, November 9.
- Brunnermeier, Markus, Luis Garicano, Philip R. Lane, Marco Pagano, Ricardo Reis, Tano Santos, David Thesmar, Stijn Van Neuwelburgh, and Dimitri Vayanos.** 2011. "European Safe Bonds (ESBies)." <http://euro-nomics.com/wp-content/uploads/2011/09/ESBiesWEBsept262011.pdf>.
- Buiter, Willem, Giancarlo Corsetti, and Nouriel Roubini.** 1993. "Excessive Deficits: Sense and Nonsense in the Treaty of Maastricht." *Economic Policy* 8(16): 57–100.
- Buiter, Willem, and Anne Sibert.** 2006. "How the Eurosystem's Treatment of Collateral in its Open Market Operations Weakens Fiscal Discipline in the Eurozone (and What to Do about It)." In *Fiscal Policy and the Road to the Euro*, 29–60. National Bank of Poland.
- Bundesbank.** 2011. "The Debt Brake in Germany: Key Aspects and Implementation." *Monthly Bulletin*, October, pp. 15–39.
- Caruana, Jaime, and Stefan Adjiev.** 2012. "Sovereign Creditworthiness and Financial Stability: An International Perspective." *Banque de France Financial Stability Review*, no. 16, April, pp. 71–85.
- Calvo, Guillermo.** 1988. "Servicing the Public Debt: The Role of Expectations." *American Economic Review* 78(4): 647–61.
- Chen, Ruo, Gian Maria Milesi-Ferretti, and Thierry Tresselt.** Forthcoming. "Euro Area Debtor Countries: External Imbalances in the Euro Area." *Economic Policy*.
- Corsetti, Giancarlo, and Luca Dedola.** 2011. "Fiscal Crises, Confidence and Default: A Bare-Bones Model with Lessons for the Euro Area." <https://sites.google.com/site/giancarlocorsetti/main/calvo-code.pdf?attredirects=0>.
- De Grauwe, Paul.** 2012. "Fragile Eurozone in Search of a Better Governance." *Economic and Social Review* 43(1): 1–30.
- DeLong, J. Bradford, and Lawrence H. Summers.** 2012. "Fiscal Policy in a Depressed Economy." *Brooking Papers on Economic Activity*, forthcoming.
- Delpla, Jacques, and Jakob Von Weizsäcker.** "Eurobonds: The Blue Bond Concept and Its Implications." Bruegel Policy Contribution 2011/02.
- Eichengreen, Barry.** 2010. "The Breakup of the Euro Area." In *Europe and the Euro*, edited by Alberto Alesina and Francesco Giavazzi, 11–56. University of Chicago Press.
- Fagan, Gabriel, and Vitor Gaspar.** 2007. "Adjusting to the Euro." *ECB Working Paper* 716.
- Favero, Carlo, and Alessandro Missale.** 2012. "Sovereign Spreads in the Euro Area: Which Prospects for a Eurobond?" *Economic Policy* 27(70): 231–73.
- Feldstein, Martin.** 1997. "The Political Economy of an European Economic and Monetary Union: Political Sources of an Economic Liability." *Journal of Economic Perspectives* 11(4): 23–42.
- Freund, Caroline, and Frank Warnock.** 2007. "Current Account Deficits in Industrial Countries: The Bigger They Are, The Harder They Fall?" In *G7 Current Account Imbalances: Sustainability and Adjustment*, edited by Richard Clarida, 133–68. University of Chicago Press.
- Gali, Jordi.** 2010. "Notes on the Euro Debt Crisis." <http://www.crei.cat/people/gali/debt%20crisis%2003%2006.pdf>.
- Gali, Jordi, and Tommaso Monacelli.** 2008. "Optimal Monetary and Fiscal Policy in a Currency Union." *Journal of International Economics* 76(1): 116–32.
- Giavazzi, Francesco, and Luigi Spaventa.** 2011. "Why the Current Account Matters in a Monetary Union." In *The Euro Area and The Financial Crisis*, edited by Miroslav Beblavy, David Cobham, and L'udovit Odor, 59–80. Cambridge University Press.
- Gibson, Heather D., Stephen G. Hall, and George S. Tavlas.** 2012. "The Greek Financial Crisis: Growing Imbalances and Sovereign Spreads." *Journal of International Money and Finance* 31(3): 498–516.
- Gourinchas, Pierre-Olivier, and Maurice Obstfeld.** 2012. "Stories of the Twentieth Century for the Twenty-First." *American Economic Journal: Macroeconomics* 4(1): 226–65.
- Henning, C. Randall, and Martin Kessler.** 2012. "Fiscal Federalism: US History for Architects of Europe's Fiscal Union." *Bruegel Essays and Lectures Series*, Brussels: Bruegel.
- Honohan, Patrick.** 2010. "The Irish Banking Crisis: Regulatory and Financial Stability Policy 2003–2008." Report for the Commission of Investigation into the Banking Sector in Ireland. Available at: http://www.bankinginquiry.gov.ie/Preliminary_Reports.aspx.
- Honohan, Patrick, and Daniela Klingebiel.** 2003. "The Fiscal Cost Implications of an Accommodating Approach to Banking Crises." *Journal of Banking and Finance* 27(8): 1539–60.
- Lane, Philip R.** 2006. "The Real Effects of European Monetary Union." *Journal of Economic Perspectives* 20(4): 47–66.
- Lane, Philip R.** 2010. "Some Lessons for Fiscal Policy from the Financial Crisis." *Nordic Economic Policy Review* 1(1): 13–34.
- Lane, Philip R.** 2011. "The Irish Crisis." In *The Euro Area and The Financial Crisis*, edited by Miroslav Beblavy, David Cobham, and L'udovit Odor, 59–80. Cambridge University Press.

- Lane, Philip R., and Gian Maria Milesi-Ferretti.** 2004. "The Transfer Problem Revisited: Real Exchange Rates and Net Foreign Assets." *Review of Economics and Statistics* 86(4): 841–57.
- Lane, Philip R., and Gian Maria Milesi-Ferretti.** 2007. "Europe and Global Imbalances." *Economic Policy* 22(51): 519–73.
- Lane, Philip R., and Gian Maria Milesi-Ferretti.** 2011. "The Cross-Country Incidence of the Global Crisis." *IMF Economic Review* 39(1): 77–110.
- Lane, Philip R., and Gian Maria Milesi-Ferretti.** Forthcoming. "External Adjustment and the Global Crisis." *Journal of International Economics*.
- Lane, Philip R., and Barbara Pels.** 2012. "Current Account Imbalances in Europe." *Moneda y Credito*, forthcoming.
- Lane, Philip R., and Peter McQuade.** 2012. "Domestic Credit Growth and International Capital Flows." Unpublished paper, Trinity College Dublin.
- Marzinotto, Benedicta, Andre Sapir, and Guntram B. Wolff.** 2011. "What Kind of Fiscal Union?" *Bruegel Policy Brief No. 2011/06*.
- McGuire, Patrick, and Goetz von Peter.** 2009. "The US Dollar Shortage in Global Banking and the International Policy Response." *BIS Working Paper No. 291*.
- Milesi-Ferretti, Gian Maria, and Cedric Tille.** 2011. "The Great Retrenchment: International Capital Flows during the Global Financial Crisis." *Economic Policy* 26(66): 285–342.
- Mody, Ashoka, and Damiano Sandri.** 2012. "The Eurozone Crisis: How Banks and Sovereigns Came to be Joined at the Hip." *Economic Policy* 27(70): 199–230.
- Muellbauer, John.** 2011. "Resolving the Eurozone Crisis: Time for Conditional Eurobonds." *CEPR Policy Insight No. 59*.
- Philippson, Thomas, and Christian Hellwig.** 2011/ "Eurobills, Not Eurobonds." VoxEU, December 2. <http://www.voxeu.org/article/eurobills-not-euro-bonds>.
- Reinhart, Carmen M., and Kenneth S. Rogoff.** 2009. *This Time Is Different: Eight Centuries of Financial Folly*. Princeton University Press.
- Reinhart, Carmen M., and Kenneth S. Rogoff.** 2010. "Growth in a Time of Debt." *American Economic Review* 100(2): 573–78.
- Reinhart, Carmen M., and M. Belen Sbrancia.** 2011. "The Liquidation of Government Debt." *NBER Working Paper 16893*.
- Sargent, Thomas J.** 2012. "United States Then, Europe Now." *Journal of Political Economy* 120(1): 1–40.
- Shambaugh, Jay.** 2012. "The Euro's Three Crises." *Brookings Papers on Economic Activity*, forthcoming.
- Shin, Hyun Song.** 2012. "Global Banking Glut and Loan Risk Premium." *IMF Economic Review*, forthcoming.
- Wyplosz, Charles.** 1997. "EMU: Why and How It Might Happen." *Journal of Economic Perspectives* 11(4): 3–22.
- Wyplosz, Charles.** 2006. "European Monetary Union: The Dark Sides of a Major Success." *Economic Policy* 21(46): 207–261.

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1. Ignacio Cervera, Isabel Figuerola-Ferretti. 2024. Credit risk and bubble behavior of credit default swaps in the corporate energy sector. *International Review of Economics & Finance* **89**, 702-731. [[Crossref](#)]
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3. Lithin B M, Suman Chakraborty, Vishwanathan Iyer, Nikhil M N, Sanket Ledwani. 2023. Modelling asymmetric sovereign bond yield volatility with univariate GARCH models: Evidence from India. *Cogent Economics & Finance* **11**:1. . [[Crossref](#)]
4. Diptes C. P. Bhimjee. 2023. The euro area sovereign debt crisis and the sovereign debt Laffer curve: a historic assessment for 1999–2014. *Humanities and Social Sciences Communications* **10**:1. . [[Crossref](#)]
5. George Alogoskoufis, Konstantinos Gravas, Laurent Jacque. 2023. Asymmetries in post-war monetary arrangements in Europe: From Bretton Woods to the Euro Area. *The Journal of Economic Asymmetries* **28**, e00320. [[Crossref](#)]
6. Kady Keita, Isabelle Rabaud, Camelia Turcu. 2023. Fiscal outcomes, current account imbalances, and institutions in Europe: Exploring nonlinearities. *International Economics* **175**, 121-134. [[Crossref](#)]
7. Rashad Hasanov, Prasad Sankar Bhattacharya. 2023. Political regimes and financial crises. *Scottish Journal of Political Economy* **70**:4, 285-318. [[Crossref](#)]
8. Laura Arenas, Anna María Gil-Lafuente, Josefa Boria Reverter. 2023. THE IMPACT OF DISRUPTIVE TECHNOLOGY ON BANKING UNDER SWITCHING VOLATILITY REGIMES. *Technological and Economic Development of Economy* **29**:4, 1264-1290. [[Crossref](#)]
9. Gonçalo Amado. 2023. Revisiting the debate on the Eurozone crisis: causes, clustering periphery and core, and the role of interest rate convergence. *International Review of Applied Economics* **108**, 1-25. [[Crossref](#)]
10. António Afonso, José Carlos Coelho. 2023. Twin deficits through the looking glass: time-varying analysis in the Euro area. *Economic Change and Restructuring* **56**:4, 2087-2110. [[Crossref](#)]
11. Alex Bizzarri, Silvio Cardinali. 2023. The state-of-the-art and future research directions in bequest fundraising by nonprofit organizations: A systematic literature review. *Journal of Philanthropy and Marketing* **28**:3. . [[Crossref](#)]
12. Nikos Chatzistamoulou, Kostas Kounetas. 2023. Tracing green growth through industrial resource efficiency patterns: The role of competitiveness and clean technologies. *Managerial and Decision Economics* **60**. . [[Crossref](#)]
13. Philipp Heimberger. 2023. This time truly is different: The cyclical behaviour of fiscal policy during the Covid-19 crisis. *Journal of Macroeconomics* **76**, 103522. [[Crossref](#)]
14. Kris James Mitchener, Christoph Trebesch. 2023. Sovereign Debt in the Twenty-first Century. *Journal of Economic Literature* **61**:2, 565-623. [[Abstract](#)] [[View PDF article](#)] [[PDF with links](#)]
15. Wen Hua Sharpe, Peter Carey, Hong Feng Zhang. 2023. Being private, Big 4 auditors, and debt raising. *Accounting & Finance* **63**:2, 2295-2345. [[Crossref](#)]
16. Simon Gilchrist, Raphael Schoenle, Jae Sim, Egon Zakrajšek. 2023. Financial heterogeneity and monetary union. *Journal of Monetary Economics* **144**. . [[Crossref](#)]
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18. Zachary R. Stangebye. 2023. Long-term sovereign debt: A steady state analysis. *Review of Economic Dynamics* **48**, 107-131. [[Crossref](#)]

19. Matthew Greenwood-Nimmo, Viet Hoang Nguyen, Yongcheol Shin. 2023. What is mine is yours: Sovereign risk transmission during the European debt crisis. *Journal of Financial Stability* **65**, 101103. [[Crossref](#)]
20. Haizhen Yang, Mengting Zhang, Yue Xiang, Yang Yang. 2023. The balance of payments stages hypothesis: Improvements and new discoveries. *International Review of Economics & Finance* **84**, 635-656. [[Crossref](#)]
21. Iain Begg. Completing a Genuine Economic and Monetary Union **28**, . [[Crossref](#)]
22. Kae-Yih Tzeng. 2023. Forecasting Volatilities of Asian Markets Using U.S. Macroeconomic Variables. *Emerging Markets Finance and Trade* **59**:3, 676-687. [[Crossref](#)]
23. Dimitrios Asteriou, Konstantinos Spanos, Emmanouil Trachanas. 2023. Financial development, economic growth and the role of fiscal policy during normal and stress times: Evidence for 26 EU countries. *International Journal of Finance & Economics* **120**. . [[Crossref](#)]
24. Emily C. Marshall, Paul Shea. 2023. Teaching an undergraduate elective on the Great Recession (and the COVID-19 recession too). *The Journal of Economic Education* **54**:1, 76-93. [[Crossref](#)]
25. Nino Papachashvili, Vasja Roblek, Maja Meško, Iztok Podbregar. 2023. Welfare state on the theoretical crossroads: analysis of the twenty-first-century studies. *International Review of Sociology* **33**:1, 23-38. [[Crossref](#)]
26. Michael Holmes, Kathryn Simpson. The Bonds that Tie: Crisis and Cooperation 79-99. [[Crossref](#)]
27. Si Guo, Yun Pei. 2023. The impact of sovereign defaults on lending countries. *Review of Quantitative Finance and Accounting* **60**:1, 345-374. [[Crossref](#)]
28. Walid Mensi, Mobeen Ur Rehman, Khamis Hamed Al-Yahyaee, Xuan Vinh Vo. 2023. Frequency dependence between oil futures and international stock markets and the role of gold, bonds, and uncertainty indices: Evidence from partial and multivariate wavelet approaches. *Resources Policy* **80**, 103161. [[Crossref](#)]
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36. Patroklos Patsoulis, Marios Psychalis, Georgios A. Deirmentzoglou. 2022. Stability and Growth Pact: Too Young to Die, Too Old to Rock 'n' Roll. *Journal of Risk and Financial Management* **15**:12, 608. [[Crossref](#)]
37. Fernanda Gonçalves, Giuliano Ferreira, Alex Ferreira, Pedro Scatimburgo. 2022. Currency returns and systematic risk. *The Manchester School* **90**:6, 609-647. [[Crossref](#)]

38. Doron Levit, Anton Tsoy. 2022. A Theory of One-Size-Fits-All Recommendations. *American Economic Journal: Microeconomics* 14:4, 318-347. [[Abstract](#)] [[View PDF article](#)] [[PDF with links](#)]
39. Dimitris Ballas, Ilias Thanis. 2022. Exploring the Geography of Subjective Happiness in Europe During the Years of the Economic Crisis: A Multilevel Modelling Approach. *Social Indicators Research* 164:1, 105-137. [[Crossref](#)]
40. Sérgio C. Lagoa, Emanuel R. Leão, Diptes P. Bhimjee. 2022. Dynamics of the public-debt-to-gdp ratio: can it explain the risk premium of treasury bonds?. *Empirica* 49:4, 1089-1122. [[Crossref](#)]
41. Diego Anzoategui. 2022. Sovereign spreads and the effects of fiscal austerity. *Journal of International Economics* 139, 103658. [[Crossref](#)]
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45. Atıla BEDİR. 2022. GELİŞME EKONOMİSİ POLİTİKALARINDA SON YÜZYILDA YAŞANAN DEĞİŞİM VE GÜNÜMÜZDE ÖNE ÇIKAN HUSUSLAR. *Elektronik Sosyal Bilimler Dergisi* 21:84, 2079-2102. [[Crossref](#)]
46. Paolo Di Caro, Ugo Fratesi. 2022. The role of Cohesion Policy for sustaining the resilience of European regional labour markets during different crises. *Regional Studies* 16, 1-17. [[Crossref](#)]
47. Johannes Tholl, Christoph Schwarzbach. 2022. The Greek sovereign debt crisis as an important chapter in the history of the European Monetary Union: empirical evidence and some thoughts on implications for investors and financial risk managers. *Zeitschrift für die gesamte Versicherungswissenschaft* 111:3, 361-378. [[Crossref](#)]
48. Ali Shaddady. 2022. Business environment, political risk, governance, Shariah compliance and efficiency in insurance companies in the MENA region. *The Geneva Papers on Risk and Insurance - Issues and Practice* 47:4, 861-904. [[Crossref](#)]
49. Nikos Chatzistamoulou, Kostas Kounetas, Kostas Tsekouras. 2022. Technological hierarchies and learning: Spillovers, complexity, relatedness, and the moderating role of absorptive capacity. *Technological Forecasting and Social Change* 183, 121925. [[Crossref](#)]
50. Simon Neaime, Isabelle Gaysset. 2022. Macroeconomic and monetary policy responses in selected highly indebted MENA countries post Covid 19: A structural VAR approach. *Research in International Business and Finance* 61, 101674. [[Crossref](#)]
51. Luigi Marattin, Simone Meraglia, Raoul Minetti. 2022. Sovereign bail-outs and fiscal rules in a banking union*. *The Scandinavian Journal of Economics* 124:4, 1024-1055. [[Crossref](#)]
52. Nane Aleksanyan. 2022. Mapping Political Populism in the European Post-Transitional Periphery. *Journal of Political Science: Bulletin of Yerevan University* 1:2, 73-91. [[Crossref](#)]
53. Federica Genovese, Héctor Hermida-Rivera. 2022. Government ideology and bailout conditionality in the European financial crisis. *International Interactions* 48:5, 897-935. [[Crossref](#)]
54. Sebastian Blesse, Massimo Bordignon, Pierre C Boyer, Piergiorgio Carapella, Friedrich Heinemann, Eckhard Janeba, Anasuya Raj. 2022. European fiscal reform preferences of parliamentarians in France, Germany and Italy. *European Union Politics* 23:3, 529-540. [[Crossref](#)]
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57. Nina Eichacker. 2022. Financialization, Structural Power, and the Global Financial Crisis for Europe's Core and Periphery. *International Journal of Political Economy* **51**:3, 246-264. [[Crossref](#)]
58. Sangjin Park, Jae-Suk Yang. 2022. Interpretable deep learning LSTM model for intelligent economic decision-making. *Knowledge-Based Systems* **248**, 108907. [[Crossref](#)]
59. Maike Rump. 2022. Voting for Eurosceptic Parties and Societal Polarization in the Aftermath of the European Sovereign Debt Crisis. *Statistics, Politics and Policy* **13**:2, 145-162. [[Crossref](#)]
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61. Taufeeque Ahmad Siddiqui, Mazia Fatima Khan, Mohammad Naushad, Abdul Malik Syed. 2022. Cross-Market Correlations and Financial Contagion from Developed to Emerging Economies: A Case of COVID-19 Pandemic. *Economies* **10**:6, 147. [[Crossref](#)]
62. Bogdan Căpraru, George Georgescu, Nicu Sprincean. 2022. Do independent fiscal institutions cause better fiscal outcomes in the European Union?. *Economic Systems* **46**:2, 100973. [[Crossref](#)]
63. Konstantinos Gkillas, Paraskevi Katsiampa, Dimitrios I. Vortelinos, Mark E. Wohar. 2022. Greek government-debt crisis events and European financial markets: News surprises on Greek bond yields and inter-relations of European financial markets. *International Journal of Finance & Economics* **26**. . [[Crossref](#)]
64. Emawtee Bissoondoyal-Bheenick, Robert Brooks, Hung Do. 2022. Asset allocation of Australian superannuation funds: a markov regime switching approach. *Annals of Operations Research* **234**. . [[Crossref](#)]
65. Beniamino Pisicoli. 2022. Banking diversity, financial complexity and resilience to financial shocks: evidence from Italian provinces. *International Review of Applied Economics* **36**:3, 338-402. [[Crossref](#)]
66. Onur Polat. 2022. On systemic risk contagion in the euro area: Evidence from frequency connectedness and the DY approaches. *Borsa Istanbul Review* **22**:3, 441-451. [[Crossref](#)]
67. Haoshen Hu, Jörg Prokop, Hans-Michael Trautwein. 2022. Transnational spillover effects of European sovereign rating signals on bank stock returns. *The Quarterly Review of Economics and Finance* **84**, 171-182. [[Crossref](#)]
68. Catarina Proença, Maria Neves, José Carlos Dias, Pedro Martins. 2022. Determinants of sovereign debt ratings in clusters of European countries – effects of the crisis. *Journal of Financial Economic Policy* **14**:3, 403-427. [[Crossref](#)]
69. Eliana Lauretta, Sajid M. Chaudhry, Daniel Santamaria. 2022. Unveiling the black swan of the finance-growth Nexus : Assumptions and preliminary evidence of virtuous and unvirtuous cycles. *International Journal of Finance & Economics* **15**. . [[Crossref](#)]
70. Léo Vigny. 2022. The Greek Sovereign Crisis: A Post-Keynesian Synthesis. *International Journal of Political Economy* **51**:2, 151-169. [[Crossref](#)]
71. Michael Berlemann, Marina Eurich, Erik Hausteijn. 2022. Inflation in Deutschland gewinnt an Fahrt. *Wirtschaftsdienst* **102**:4, 319-320. [[Crossref](#)]
72. Marta Postuła, Justyna Sobolewska, Jacek Tomkiewicz. 2022. CONVERGENCE PROGRAMMES AS AN ECONOMIC POLICY TOOL WITHIN THE EUROPEAN UNION. *Acta Scientiarum Polonorum. Oeconomia* **17**:4, 123-131. [[Crossref](#)]
73. Jay Cullen. 2022. "Economically inefficient and legally untenable": constitutional limitations on the introduction of central bank digital currencies in the EU. *Journal of Banking Regulation* **23**:1, 31-41. [[Crossref](#)]

74. María García-Vega. 2022. R&D restructuring during the Great Recession and young firms. *International Journal of Industrial Organization* **81**, 102819. [[Crossref](#)]
75. Tjeerd Boonman, Ioannis Litsios, Keith Pilbeam, William Pouliot. 2022. Modelling the trade balance between the northern and southern eurozone using an intertemporal approach. *Journal of International Money and Finance* **121**, 102508. [[Crossref](#)]
76. Salvatore Perdichizzi, Matteo Cotugno, Giuseppe Torluccio. 2022. Is the ECB's conventional monetary policy state-dependent? An event study approach. *The Manchester School* **90**:2, 213-236. [[Crossref](#)]
77. Alin Marius Andrieş, Steven Ongena, Nicu Sprincean, Radu Tunaru. 2022. Risk spillovers and interconnectedness between systemically important institutions. *Journal of Financial Stability* **58**, 100963. [[Crossref](#)]
78. Tobias Tober, Marius R. Busemeyer. 2022. Breaking the link? How European integration shapes social policy demand and supply. *Journal of European Public Policy* **29**:2, 259-280. [[Crossref](#)]
79. VESA PURSIAINEN. 2022. Cultural Biases in Equity Analysis. *The Journal of Finance* **77**:1, 163-211. [[Crossref](#)]
80. Sebastian Dullien. 2022. Ten Years On, Two Crises Later: Evaluating EMU Institutional Reforms Since 2010. *International Journal of Political Economy* **51**:1, 5-17. [[Crossref](#)]
81. Laura Cyron, Rahul Mehrotra. 2022. Deeper crisis, higher skills demand? Impact of the European financial crisis on demand for German language skills. *Education Economics* **30**:1, 47-65. [[Crossref](#)]
82. Thomas Poufinas. Bonds and Crises 535-556. [[Crossref](#)]
83. Adam S. Iqbal. The Mundell-Fleming Model and the Impossible Trinity 163-187. [[Crossref](#)]
84. Walid Hejazi, Jianmin Tang, Weimin Wang. Incorporating Home and Host Country Economic Growth Rates in Predicting the Impact of MNEs' Strategic Flexibility on Local Economies 183-205. [[Crossref](#)]
85. Vera Fiador, Kannyiri Thadious Banyen, Mohammed Amidu, Victor Murinde. Current Issues in Global Banking and Implications for African Banks 555-577. [[Crossref](#)]
86. Tobias Lemke, Philippe Krahnhof, Alexander Zureck. Ereignisstudie und Text Mining: Untersuchung der Wirkung von Ad-hoc-Meldungen auf den Kapitalmarkt im Kontext der Behavioral Finance 117-139. [[Crossref](#)]
87. Noureddine Benlagha, Wael Hemrit. 2022. Does economic policy uncertainty matter to explain connectedness within the international sovereign bond yields?. *Journal of Economics and Finance* **46**:1, 1-21. [[Crossref](#)]
88. M. Nardo, E. Ossola, E. Papanagiotou. 2022. Financial integration in the EU28 equity markets: Measures and drivers. *Journal of Financial Markets* **57**, 100633. [[Crossref](#)]
89. Francesca Capo, Francesco Rullani. Being for Profit, Non-profit, or Both? The Risk Advantage of Social Enterprises in the Face of Shocks 187-214. [[Crossref](#)]
90. Peter McAdam. 2022. European Trade and Growth Imbalances: A Sign-Restriction GVAR Analysis. *SSRN Electronic Journal* **5**. . [[Crossref](#)]
91. Vlad Skovorodov, Rui Silva. 2022. The Impact of the Public Sector Purchasing Program on Lending Volumes and Credit Perceptions Among SMEs. *SSRN Electronic Journal* **17**. . [[Crossref](#)]
92. Matilde Ceron, Carlo Maria Palermo, Daniele Grechi. 2021. Covid-19 Response Models and Divergences Within the EU: A Health Dis-Union. *Statistics, Politics and Policy* **12**:2, 219-268. [[Crossref](#)]
93. Roland Füss, Daniel Ruf. 2021. Bank systemic risk exposure and office market interconnectedness. *Journal of Banking & Finance* **133**, 106311. [[Crossref](#)]

94. James R. Brown, Gustav Martinsson, Christian Thomann. 2021. Government lending in a crisis. *Journal of Corporate Finance* **71**, 102116. [[Crossref](#)]
95. Lidia Loban, José Luis Sarto, Luis Vicente. 2021. Determinants of non-compliant equity funds with EU portfolio concentration limits. *Journal of Multinational Financial Management* **62**, 100707. [[Crossref](#)]
96. Reena Aggarwal, Jennie Bai, Luc Laeven. 2021. Safe-Asset Shortages: Evidence from the European Government Bond Lending Market. *Journal of Financial and Quantitative Analysis* **56**:8, 2689-2719. [[Crossref](#)]
97. Songul Cinaroglu. 2021. Interaction Between Self-rated Health and Labour Force Participation: A Panel Data Probit Model with Survival Estimates. *Journal of Health Management* **23**:4, 594-613. [[Crossref](#)]
98. Irena Vodenska, Nima Dehmamy, Alexander P. Becker, Sergey V. Buldyrev, Shlomo Havlin. 2021. Systemic stress test model for shared portfolio networks. *Scientific Reports* **11**:1. . [[Crossref](#)]
99. Kenta Toyofuku. 2021. Unit of account, sovereign debt, and optimal currency area. *Journal of International Financial Markets, Institutions and Money* **75**, 101441. [[Crossref](#)]
100. Cherg G. Ding, Hung-Jui Wang, Meng-Che Lee, Wen-Chi Hung, Ten-Der Jane. 2021. Assessing the reversal of investor sentiment. *The North American Journal of Economics and Finance* **58**, 101547. [[Crossref](#)]
101. Zhi-Long Dong, Jiming Peng, Fengmin Xu, Yu-Hong Dai. 2021. On some extended mixed integer optimization models of the Eisenberg–Noe model in systemic risk management. *International Transactions in Operational Research* **28**:6, 3014-3037. [[Crossref](#)]
102. Ugo Albertazzi, Bo Becker, Miguel Boucinha. 2021. Portfolio rebalancing and the transmission of large-scale asset purchase programs: Evidence from the Euro area. *Journal of Financial Intermediation* **48**, 100896. [[Crossref](#)]
103. Tao Sun. 2021. Societal trust, risk avoidance and corporate risk taking: evidence from the global insurance industry. *The Geneva Papers on Risk and Insurance - Issues and Practice* **46**:4, 513-546. [[Crossref](#)]
104. Tomasz Piotr Wisniewski, Peter M. Jackson. 2021. Government debt expansion and stock returns. *International Journal of Finance & Economics* **26**:4, 5017-5030. [[Crossref](#)]
105. Dimitris Anastasiou, Panayotis Kapopoulos, Kalliopi-Maria Zekente. 2021. Sentimental Shocks and House Prices. *The Journal of Real Estate Finance and Economics* **56**. . [[Crossref](#)]
106. John V. Duca, John Muellbauer, Anthony Murphy. 2021. What Drives House Price Cycles? International Experience and Policy Issues. *Journal of Economic Literature* **59**:3, 773-864. [[Abstract](#)] [[View PDF article](#)] [[PDF with links](#)]
107. Nebojsa Dimic, Vanja Piljak, Laurens Swinkels, Milos Vulcanovic. 2021. The structure and degree of dependence in government bond markets. *Journal of International Financial Markets, Institutions and Money* **74**, 101385. [[Crossref](#)]
108. Elton Beqiraj, Valeria Patella, Massimiliano Tancioni. 2021. Fiscal stance and the sovereign risk pass-through. *Economic Modelling* **102**, 105573. [[Crossref](#)]
109. Jordan Becker. 2021. Rusty guns and buttery soldiers: unemployment and the domestic origins of defense spending. *European Political Science Review* **13**:3, 307-330. [[Crossref](#)]
110. Antonio Blanco-Oliver. 2021. Banking reforms and bank efficiency: Evidence for the collapse of Spanish savings banks. *International Review of Economics & Finance* **74**, 334-347. [[Crossref](#)]
111. Andrea Bonilla-Bolaños. 2021. A step further in the theory of regional integration: A look at the South American integration strategy. *Journal of International Development* **33**:5, 845-873. [[Crossref](#)]

112. Kannyiri Banyen, Nicholas Biekpe. 2021. Financial integration and bank profitability in five regional economic communities in Africa. *International Journal of Emerging Markets* 16:3, 468-491. [[Crossref](#)]
113. Demetrio Lacava, Luca Scaffidi Domianello. 2021. The Incidence of Spillover Effects during the Unconventional Monetary Policies Era. *Journal of Risk and Financial Management* 14:6, 242. [[Crossref](#)]
114. JOHN KANDRAC, BERND SCHLUSCHE. 2021. Quantitative Easing and Bank Risk Taking: Evidence from Lending. *Journal of Money, Credit and Banking* 53:4, 635-676. [[Crossref](#)]
115. Roy Havemann. 2021. The South African small banks' crisis of 2002/3. *Economic History of Developing Regions* 36:2, 313-338. [[Crossref](#)]
116. Philip R. Lane. 2021. The Resilience of the Euro. *Journal of Economic Perspectives* 35:2, 3-22. [[Abstract](#)] [[View PDF article](#)] [[PDF with links](#)]
117. Santiago José Pérez-Balsobre, Carlos Llano-Verduras. 2021. Modelling sovereign debt ratings for sub-national governments: the case of Spain before and after the crisis. *Empirica* 48:2, 373-395. [[Crossref](#)]
118. Anastasios Demertzidis, Vahidin Jeleskovic. 2021. Empirical Estimation of Intraday Yield Curves on the Italian Interbank Credit Market e-MID. *Journal of Risk and Financial Management* 14:5, 212. [[Crossref](#)]
119. Julio Revuelta. 2021. The Effects of the Economic Adjustment Programmes for Greece: A Quasi-Experimental Approach. *Sustainability* 13:9, 4970. [[Crossref](#)]
120. Luca Macedoni. 2021. Has the Euro Shrunk the Band? Relative Purchasing Power Parity Convergence in a Currency Union*. *The Scandinavian Journal of Economics* 123:2, 593-620. [[Crossref](#)]
121. Janusz Miśkiewicz. 2021. Network Analysis of Cross-Correlations on Forex Market during Crises. Globalisation on Forex Market. *Entropy* 23:3, 352. [[Crossref](#)]
122. Samira Meier, Miguel Rodriguez Gonzalez, Frederik Kunze. 2021. The global financial crisis, the EMU sovereign debt crisis and international financial regulation: lessons from a systematic literature review. *International Review of Law and Economics* 65, 105945. [[Crossref](#)]
123. Konstantinos Gkillas, Christoforos Konstantatos, Christos Floros, Athanasios Tsagkanos. 2021. Realized volatility spillovers between US spot and futures during ECB news: Evidence from the European sovereign debt crisis. *International Review of Financial Analysis* 74, 101706. [[Crossref](#)]
124. Merih Uctum, Remzi Uctum, Chu-Ping C. Vijverberg. 2021. The European growth synchronization through crises and structural changes. *Studies in Nonlinear Dynamics & Econometrics* 25:1. . [[Crossref](#)]
125. Katarzyna Mroczek-Dąbrowska, Anna Matysek-Jędrzych. 2021. "To fear or not to fear?" The nature of the EU-27 countries' vulnerability to Brexit. *European Planning Studies* 29:2, 277-290. [[Crossref](#)]
126. Catarina Soares, Adelaide Figueiredo, Fernanda Figueiredo. 2021. The Subprime Crisis and Its Influence on Public, Private and Financial Sectors in European Countries. *Journal of East-West Business* 27:1, 92-108. [[Crossref](#)]
127. Marcus Wortmann, René Geissler. Global Crisis, Local Impact: A Comparative Approach to the Financial Crisis' Impacts on European Local Levels 249-266. [[Crossref](#)]
128. Mehmet Sait Akman, Semih Emre Çekin. The EU as an Anchor for Turkey's Macroeconomic and Trade Policy 295-322. [[Crossref](#)]
129. Xuan Wang. 2021. Bankruptcy Codes and Risk Sharing of Currency Unions. *SSRN Electronic Journal* 22. . [[Crossref](#)]
130. Pietro Grandi, Jean Belin, Elisa Darriet, Marianne Guille. 2021. Sovereign Risk, Credit Shocks and R&D. *SSRN Electronic Journal* 124. . [[Crossref](#)]

131. George Alogoskoufis. 2021. Greece Before and After the Euro: Macroeconomics, Politics and the Quest for Reforms. *SSRN Electronic Journal* 10. . [[Crossref](#)]
132. Espen D. H. Olsen, Guri Rosén. The EU's Response to the Financial Crisis 381-400. [[Crossref](#)]
133. Giovanni Battista Pittaluga, Elena Seghezza. Critical Issues in the Current International Monetary System and Future Prospects 223-265. [[Crossref](#)]
134. Kai Enno Lehmann. The Crisis: Its Management and Impact on Equity and Democracy in Portugal and Possible Consequences for the EU 161-171. [[Crossref](#)]
135. Nebojsa Dimic, Vanja Piljak, Laurens Swinkels, Milos Vulcanovic. 2021. The Structure and Degree of Dependence in Government Bond Markets. *SSRN Electronic Journal* 20. . [[Crossref](#)]
136. Beniamino Pisicoli. 2021. Banking Diversity, Financial Complexity and Resilience to Financial Shocks: Evidence from Italian Provinces. *SSRN Electronic Journal* 7. . [[Crossref](#)]
137. Joao Ricardo Faria, Peter McAdam, J. Orrillo. 2021. Serial Sovereign Default: The Role of Shocks and Fiscal Habits. *SSRN Electronic Journal* 11. . [[Crossref](#)]
138. Nikolaos Antonakakis, Ioannis Chatziantoniou, David Gabauer. 2021. The impact of Euro through time: Exchange rate dynamics under different regimes. *International Journal of Finance & Economics* 26:1, 1375-1408. [[Crossref](#)]
139. Irfan Ahmed, Claudio Soggi, Ali Medabesh, Francesca Severini, Jacopo Zotti. 2021. Economic impact of monetary policy: Focus on real estate sector in Italy. *International Journal of Finance & Economics* 26:1, 1256-1269. [[Crossref](#)]
140. Alice Albonico, Patrizio Tirelli. 2020. Financial crises and sudden stops: Was the European monetary union crisis different?. *Economic Modelling* 93, 13-26. [[Crossref](#)]
141. A. Burietz, L. Ureche-Rangau. 2020. Better the devil you know: Home and sectoral biases in bank lending. *International Economics* 164, 69-85. [[Crossref](#)]
142. Jaime Luque. 2020. Cross-Border Residential Lending: Theory and Evidence from the European Sovereign Debt Crisis. *Real Estate Economics* 48:4, 1136-1167. [[Crossref](#)]
143. Mario R. Englert, Christopher Koch, Jens Wüstemann. 2020. The Effects of Financial Crisis on the Organizational Reputation of Banks: An Empirical Analysis of Newspaper Articles. *Business & Society* 59:8, 1519-1553. [[Crossref](#)]
144. Davide la Torre, Simone Marsiglio. 2020. A NOTE ON OPTIMAL DEBT REDUCTION POLICIES. *Macroeconomic Dynamics* 24:7, 1850-1860. [[Crossref](#)]
145. Maja Savevska. 2020. Centralization of rule-making versus embeddedness in the Eurozone. *Journal of Contemporary European Studies* 28:4, 449-463. [[Crossref](#)]
146. ORKUN SAKA. 2020. Domestic Banks As Lightning Rods? Home Bias and Information during the Eurozone Crisis. *Journal of Money, Credit and Banking* 52:S1, 273-305. [[Crossref](#)]
147. Markus W. Gehring. Europe's Second Constitution 55, . [[Crossref](#)]
148. Nicola Acocella. The European Monetary Union 10, . [[Crossref](#)]
149. Alessio Terzi. 2020. Macroeconomic adjustment in the euro area. *European Economic Review* 128, 103516. [[Crossref](#)]
150. Margherita Bottero, Simone Lenzu, Filippo Mezzanotti. 2020. Sovereign debt exposure and the bank lending channel: Impact on credit supply and the real economy. *Journal of International Economics* 126, 103328. [[Crossref](#)]
151. Konstantinos Mamais, Kleantith Karvelas. 2020. Feeling good, as a guide to performance: the impact of economic sentiment in financial market performance for Germany. *Applied Economics* 52:41, 4529-4541. [[Crossref](#)]

152. Nils Redeker, Stefanie Walter. 2020. We'd rather pay than change the politics of German non-adjustment in the Eurozone crisis. *The Review of International Organizations* 15:3, 573-599. [[Crossref](#)]
153. Anastasios G. Malliaris, Mary Malliaris. 2020. The impact of the twin financial crises. *Journal of Policy Modeling* 42:4, 878-892. [[Crossref](#)]
154. Giovanni Sandoval Paucar. 2020. Efectos de propagación de los mercados financieros estadounidenses en los colombianos. *Cuadernos de Economía* 39:81, 667-702. [[Crossref](#)]
155. Danbee Park, Taeyoon Sung. 2020. Foreign debt, global liquidity, and fiscal sustainability. *Japan and the World Economy* 54, 101008. [[Crossref](#)]
156. Luc Laeven, Fabian Valencia. 2020. Systemic Banking Crises Database II. *IMF Economic Review* 68:2, 307-361. [[Crossref](#)]
157. Marie-Helene Gagnon, Celine Gimet. 2020. Unconventional economic policies and sentiment: An international assessment. *The World Economy* 43:6, 1544-1591. [[Crossref](#)]
158. Florian Kiy, Theresa Zick. 2020. Effects of declining bank health on borrowers' earnings quality: evidence from the European sovereign debt crisis. *Journal of Business Economics* 90:4, 615-673. [[Crossref](#)]
159. Naib ALAKBAROV, Utku UTKULU. 2020. Asymmetries and Macroeconomic Shocks: The Pre-Crisis Period and Evidence for Europe. *Sosyoekonomi* 28:44, 283-317. [[Crossref](#)]
160. Engelbert Stockhammer, Collin Constantine, Severin Reissl. 2020. Explaining the Euro crisis: current account imbalances, credit booms and economic policy in different economic paradigms. *Journal of Post Keynesian Economics* 43:2, 231-266. [[Crossref](#)]
161. Ricardo Manuel Brito Barros. 2020. Monitoring the financial evolution of Portuguese regional health administrations during adjustment that followed the European sovereign debt crisis. *International Journal of Healthcare Management* 13:2, 122-131. [[Crossref](#)]
162. Malte Rengel. 2020. Sustainability of European fiscal balances: Just a statistical artifact?. *Empirical Economics* 58:4, 1681-1712. [[Crossref](#)]
163. Tiago Gonçalves, Cristina Gaio, Carlos Lélis. 2020. Accrual mispricing: Evidence from European sovereign debt crisis. *Research in International Business and Finance* 52, 101111. [[Crossref](#)]
164. Cédric Durand, Sébastien Villemot. 2020. Balance sheets after the EMU: an assessment of the redenomination risk. *Socio-Economic Review* 18:2, 367-394. [[Crossref](#)]
165. Chrysovalantis Amountzias. 2020. Pricing decisions, competition and liquidity constraints. *Journal of Economic Studies* 47:2, 366-385. [[Crossref](#)]
166. Andreas Chatzidakis. 2020. Chronotopic dilemmas: Space-time in consumer movements of the Greek crisis. *Environment and Planning D: Society and Space* 38:2, 325-344. [[Crossref](#)]
167. Michael Menrad. 2020. TARGET2 imbalances: causes, assessments and consequences. *Banks and Bank Systems* 15:1, 107-117. [[Crossref](#)]
168. Sunil Poshakwale, Daniel Aghanya, Vineet Agarwal. 2020. The impact of regulations on compliance costs, risk-taking, and reporting quality of the EU banks. *International Review of Financial Analysis* 68, 101431. [[Crossref](#)]
169. Seung Jung Lee, Kelly E. Posenau, Viktors Stebunovs. 2020. The anatomy of financial vulnerabilities and banking crises. *Journal of Banking & Finance* 112, 105334. [[Crossref](#)]
170. Marco Tronzano. 2020. Safe-Haven Assets, Financial Crises, and Macroeconomic Variables: Evidence from the Last Two Decades (2000-2018). *Journal of Risk and Financial Management* 13:3, 40. [[Crossref](#)]
171. MIKLOS VARI. 2020. Monetary Policy Transmission with Interbank Market Fragmentation. *Journal of Money, Credit and Banking* 52:2-3, 409-440. [[Crossref](#)]

172. Sebastian Blesse, Annika Havlik, Friedrich Heinemann. 2020. Euro area reform preferences of Central and Eastern European economic experts. *Empirica* 144. . [[Crossref](#)]
173. Philipp Heimberger. 2020. The dynamic effects of fiscal consolidation episodes on income inequality: evidence for 17 OECD countries over 1978–2013. *Empirica* 47:1, 53-81. [[Crossref](#)]
174. Ulla Pape, Taco Brandsen, Joachim Benedikt Pahl, Bartosz Pielíński, Danijel Baturina, Nadia Brookes, Rafael Chaves-Ávila, Jeremy Kendall, Jelena Matančević, Francesca Petrella, Christina Rentzsch, Nadine Richez-Battesti, Teresa Savall-Morera, Ruth Simsa, Annette Zimmer. 2020. Changing Policy Environments in Europe and the Resilience of the Third Sector. *VOLUNTAS: International Journal of Voluntary and Nonprofit Organizations* 31:1, 238-249. [[Crossref](#)]
175. Tulio Chiarini, Thiago Caliar, Pablo Felipe Bittencourt, Marcia Siqueira Rapini. 2020. U.S. R&D internationalization in less-developed countries: Determinants and insights from Brazil, China, and India. *Review of Development Economics* 24:1, 288-315. [[Crossref](#)]
176. Simon Bauer. The Euro Crisis: Decoding the Multidimensional and Heterogeneous Phenomenon 97-151. [[Crossref](#)]
177. Cecilia Emma Sottilotta. Vincolo esterno or Muddling Through? Italy 85-107. [[Crossref](#)]
178. Mark Laurence Jackson, Mark Hanlen. Sub-prime 113-172. [[Crossref](#)]
179. Thomas Theobald, Silke Tober. 2020. Euro area sovereign yield spreads as determinants of private sector borrowing costs. *Economic Modelling* 84, 27-37. [[Crossref](#)]
180. Haoshen Hu, Jörg Prokop, Yukun Shi, Hans-Michael Trautwein. 2020. The rating spillover from banks to sovereigns: An empirical investigation across the European Union. *Journal of International Financial Markets, Institutions and Money* 64, 101161. [[Crossref](#)]
181. Miloš Pjanić, Nada Milenković, Jelena Andrašić, Branimir Kalaš, Vera Mirović. 2020. Public debt's predictors in EU: evidence from members and non-members of European Monetary Union. *Economic Research-Ekonomska Istraživanja* 33:1, 3562-3579. [[Crossref](#)]
182. Matilde Ceron, Carlo Maria Palermo. 2020. COVID-19, National Responses and NGEU: Uniting a Divided Europe?. *SSRN Electronic Journal* 15. . [[Crossref](#)]
183. Zacharias Bragoudakis, Dimitrios Anastasiou, Stelios Giannoulakis. 2020. Perceived vs Actual Financial Crisis and Bank Credit Standards: Is There Any Indication of Self-Fulfilling Prophecy?. *SSRN Electronic Journal* 104. . [[Crossref](#)]
184. Andrei-Bogdan Sterescu. 2020. The Political Economy of Economic and Monetary Union Reform. *SSRN Electronic Journal* 25. . [[Crossref](#)]
185. Muhammad Jufri Marzuki, Graeme Newell, Stanley McGreal. 2019. The development and initial performance analysis of REITs in Ireland. *Journal of Property Investment & Finance* 38:1, 56-70. [[Crossref](#)]
186. Kim Abildgren. 2019. Banking regulation - burden or blessing?. *Journal of Financial Economic Policy* 11:4, 548-562. [[Crossref](#)]
187. Z. Sun, P. A. Hamill, Y. Li, Y. C. Yang, S. A. Vigne. 2019. Did long-memory of liquidity signal the European sovereign debt crisis?. *Annals of Operations Research* 282:1-2, 355-377. [[Crossref](#)]
188. Łukasz Mach. 2019. MEASURING AND ASSESSING THE IMPACT OF THE GLOBAL ECONOMIC CRISIS ON EUROPEAN REAL PROPERTY MARKET. *Journal of Business Economics and Management* 20:6, 1189-1209. [[Crossref](#)]
189. Pietro Grandi. 2019. Sovereign stress and heterogeneous monetary transmission to bank lending in the euro area. *European Economic Review* 119, 251-273. [[Crossref](#)]
190. Petar Sorić, Ivana Lolić, Oscar Claveria, Enric Monte, Salvador Torra. 2019. Unemployment expectations: A socio-demographic analysis of the effect of news. *Labour Economics* 60, 64-74. [[Crossref](#)]

191. Laurent Bernhard, Hanspeter Kriesi. 2019. Populism in election times: a comparative analysis of 11 countries in Western Europe. *West European Politics* 42:6, 1188-1208. [[Crossref](#)]
192. Reinout Arthur van der Veer, Markus Haverland. 2019. The politics of (de-)politicization and venue choice: A scoping review and research agenda on EU financial regulation and economic governance. *Journal of European Public Policy* 26:9, 1395-1416. [[Crossref](#)]
193. Chrysovalantis Amountzias. 2019. Pricing Decisions and Competitive Conduct Across Manufacturing Sectors: Evidence from 19 European Union Manufacturing Industries. *Journal of Industry, Competition and Trade* 19:3, 413-440. [[Crossref](#)]
194. Ilias Kyriopoulos, Zlatko Nikoloski, Elias Mossialos. 2019. Does economic recession impact newborn health? Evidence from Greece. *Social Science & Medicine* 237, 112451. [[Crossref](#)]
195. Mathias Hoffmann, Egor Maslov, Bent E. Sørensen, Iryna Stewen. 2019. Channels of Risk Sharing in the Eurozone: What Can Banking and Capital Market Union Achieve?. *IMF Economic Review* 67:3, 443-495. [[Crossref](#)]
196. Philip R. Lane. 2019. Macrofinancial Stability and the Euro. *IMF Economic Review* 67:3, 424-442. [[Crossref](#)]
197. Monika Banaszewska. 2019. Stock-Flow Adjustment – Only a Residual Value? Evidence from European Union Countries. *e-Finanse* 15:3, 10-20. [[Crossref](#)]
198. Massimiliano Caporin, Gisle J. Natvik, Francesco Ravazzolo, Paolo Santucci de Magistris. 2019. The bank-sovereign nexus: Evidence from a non-bailout episode. *Journal of Empirical Finance* 53, 181-196. [[Crossref](#)]
199. Joost Roettger. 2019. Discretionary monetary and fiscal policy with endogenous sovereign risk. *Journal of Economic Dynamics and Control* 105, 44-66. [[Crossref](#)]
200. . References 169-192. [[Crossref](#)]
201. Emawtee Bissoondoyal-Bheenick, Robert Brooks, Hung Xuan Do. 2019. Asymmetric relationship between order imbalance and realized volatility: Evidence from the Australian market. *International Review of Economics & Finance* 62, 309-320. [[Crossref](#)]
202. Simon Weschle. 2019. The Impact of Economic Crises on Political Representation in Public Communication: Evidence from the Eurozone. *British Journal of Political Science* 49:3, 1097-1116. [[Crossref](#)]
203. Aein Khabazian, Jiming Peng. 2019. Vulnerability Analysis of the Financial Network. *Management Science* 65:7, 3302-3321. [[Crossref](#)]
204. . European Party Politics in Times of Crisis 7, . [[Crossref](#)]
205. Augustin Ignatov. 2019. ANALYSIS OF THE DYNAMICS OF THE EUROPEAN ECONOMIC SECURITY IN THE CONDITIONS OF A CHANGING SOCIO-ECONOMIC ENVIRONMENT. *New Medit* 18:2, 15-38. [[Crossref](#)]
206. Sven Steinkamp. 2019. Wie dezentral sind Geldpolitik und Bankenaufsicht in Europa?. *Perspektiven der Wirtschaftspolitik* 20:1, 70-94. [[Crossref](#)]
207. Jane Suiter, David M. Farrell, Clodagh Harris, Eoin O'Malley, Xavier Blandin. 2019. La première Convention constitutionnelle irlandaise (2013-2014) : un dispositif délibératif à forte légitimité ?. *Participations* N° 23:1, 123-146. [[Crossref](#)]
208. Jamus Jerome Lim. 2019. Growth in the shadow of debt. *Journal of Banking & Finance* 103, 98-112. [[Crossref](#)]
209. ANNALISA FERRANDO, ALEXANDER POPOV, GREGORY F. UDELL. 2019. Do SMEs Benefit from Unconventional Monetary Policy and How? Microevidence from the Eurozone. *Journal of Money, Credit and Banking* 51:4, 895-928. [[Crossref](#)]

210. Inês Prates Pereira, Sérgio Lagoa. 2019. Flight-to-quality and contagion in the European sovereign debt crisis. *Journal of Financial Economic Policy* 11:2, 193-217. [[Crossref](#)]
211. . Debating Unemployment Policy 56, . [[Crossref](#)]
212. Yanfang Zhang, Mushang Lee. 2019. A Hybrid Model for Addressing the Relationship between Financial Performance and Sustainable Development. *Sustainability* 11:10, 2899. [[Crossref](#)]
213. Jonas da Silva Oliveira, Graça Maria do Carmo Azevedo, Maria José Pires Carvalho Silva. 2019. Institutional and economic determinants of corporate social responsibility disclosure by banks. *Meditari Accountancy Research* 27:2, 196-227. [[Crossref](#)]
214. Areti Gkypali, Kostas Kounetas, Kostas Tsekouras. 2019. European countries' competitiveness and productive performance evolution: unraveling the complexity in a heterogeneity context. *Journal of Evolutionary Economics* 29:2, 665-695. [[Crossref](#)]
215. Christian Kalhoefer, Guenter Lang. 2019. The More the Merrier? Detecting Impacts of Bank Regulation After the Global Financial Crisis. *Credit and Capital Markets – Kredit und Kapital* 52:2, 191-212. [[Crossref](#)]
216. Timo Mitze. 2019. The migration response to local labour market shocks: Evidence from EU regions during the global economic crisis. *Oxford Bulletin of Economics and Statistics* 81:2, 271-298. [[Crossref](#)]
217. Raymond Adu, Ioannis Litsios, Mark Baimbridge. 2019. Real exchange rate and asymmetric shocks in the West African Monetary Zone (WAMZ). *Journal of International Financial Markets, Institutions and Money* 59, 232-249. [[Crossref](#)]
218. Sylvain Weber. 2019. Consumers' preferences on the Swiss car market: A revealed preference approach. *Transport Policy* 75, 109-118. [[Crossref](#)]
219. Christina Koehler, Mathias Weber, Oliver Quiring. 2019. I Want a Savior, Not a Victim. The Impact of Media Representations of the EU and Economic Shocks on Citizens' Supportive Attitudes on the European Integration. *International Journal of Public Opinion Research* 31:1, 45-69. [[Crossref](#)]
220. Costas Lapavitsas. 2019. Political Economy of the Greek Crisis. *Review of Radical Political Economics* 51:1, 31-51. [[Crossref](#)]
221. Fabio Wasserfallen, Dirk Leuffen, Zdenek Kudrna, Hanno Degner. 2019. Analysing European Union decision-making during the Eurozone crisis with new data. *European Union Politics* 20:1, 3-23. [[Crossref](#)]
222. Claudia M. Buch, Benjamin Weigert. 2019. Macroprudential policy in a currency union. *Review of World Economics* 155:1, 23-33. [[Crossref](#)]
223. Neil Dooley. 2019. Who's Afraid of the Big Bad Wolf? Rethinking the Core and Periphery in the Eurozone Crisis. *New Political Economy* 24:1, 62-88. [[Crossref](#)]
224. Samuel Meng. A New Theory on Business Cycle and Economic Growth 317-480. [[Crossref](#)]
225. Chandana Ghosh, Ambar Nath Ghosh. The Greek Crisis 207-231. [[Crossref](#)]
226. Christoph Wegener, Robinson Kruse, Tobias Basse. 2019. The walking debt crisis. *Journal of Economic Behavior & Organization* 157, 382-402. [[Crossref](#)]
227. Asena Temizsoy, Gabriel Montes-Rojas. 2019. Measuring the effect of monetary shocks on European sovereign country risk: an application of GVAR models. *Journal of Applied Economics* 22:1, 484-503. [[Crossref](#)]
228. Danny Busch, Mirik Rijn, Marije Louisse. 2019. How Single is the Single Resolution Mechanism?. *SSRN Electronic Journal* . [[Crossref](#)]
229. John Taskinsoy. 2019. Stress Testing Made Easy: No More US Banks Stumbling and Facing Public Embarrassment Due to the Federal Reserve's Qualitative Objection. *SSRN Electronic Journal* . [[Crossref](#)]

230. John Taskinsoy. 2019. Pure Gold for Economic Freedom: A Supranational Medium of Exchange to End American Monetary Hegemony as the World's Main Reserve Currency. *SSRN Electronic Journal* . [[Crossref](#)]
231. John Taskinsoy. 2019. Asian Miracle, Asian Tiger, or Asian Myth? Financial Sector and Risk Assessment through FSAP Experience: Enhancing Bank Supervision in Thailand. *SSRN Electronic Journal* . [[Crossref](#)]
232. Omid M. Ardakani, N. Kundan Kishor, Suyong Song. 2019. Examining the Effects of the European Monetary Union Using Propensity Score Matching. *SSRN Electronic Journal* . [[Crossref](#)]
233. Xuan Wang. 2019. When Do Currency Unions Benefit from Default?. *SSRN Electronic Journal* . [[Crossref](#)]
234. Elisabeth T. Pereira. The Restructuring of the Financial System in the 21st century 30-51. [[Crossref](#)]
235. Jérôme Creel. European Imbalances: The Sound and the Fury 73-88. [[Crossref](#)]
236. Priyank Gandhi, George Issa, Elvis Jarnecic. 2019. International Shock Transmission: Does Bank Organizational Structure Matter?. *SSRN Electronic Journal* **121**. . [[Crossref](#)]
237. Simone Lenzu, David Rivers, Joris Tielens. 2019. Financial Shocks and Productivity: Pricing Response and the TFPR-TFPQ Bifurcation. *SSRN Electronic Journal* **31**. . [[Crossref](#)]
238. Luciana Barbosa, Diana Bonfim, Sónia Costa, Mary Everett. 2018. Cross-border spillovers of monetary policy: What changes during a financial crisis?. *Journal of International Money and Finance* **89**, 154-174. [[Crossref](#)]
239. Stefano Neri, Stefano Siviero. 2018. The Non-Standard Monetary Policy Measures of the ECB: Motivations, Effectiveness and Risks. *Credit and Capital Markets – Kredit und Kapital* **51**:4, 513-560. [[Crossref](#)]
240. César Sosa-Padilla. 2018. Sovereign defaults and banking crises. *Journal of Monetary Economics* **99**, 88-105. [[Crossref](#)]
241. Nikolaos Grigorakis, Christos Floros, Haritini Tsangari, Evangelos Tsoukatos. 2018. Macroeconomic and financing determinants of out of pocket payments in health care: Evidence from selected OECD countries. *Journal of Policy Modeling* **40**:6, 1290-1312. [[Crossref](#)]
242. Stelios Bekiros, Shawkat Hammoudeh, Rania Jammazi, Duc Khuong Nguyen. 2018. Sovereign bond market dependencies and crisis transmission around the eurozone debt crisis: a dynamic copula approach. *Applied Economics* **50**:47, 5031-5049. [[Crossref](#)]
243. Tie-Ying Liu, Chien-Chiang Lee. 2018. Testing explosive behavior of public debt in OECD countries. *The Journal of International Trade & Economic Development* **27**:7, 761-791. [[Crossref](#)]
244. Luis Porcuna. 2018. El impacto de la última gran crisis financiera sobre el comportamiento procíclico de los bancos Europeos: un punto de inflexión. *Spanish Journal of Finance and Accounting / Revista Española de Financiación y Contabilidad* **47**:4, 533-578. [[Crossref](#)]
245. Jochen Roose, Moritz Sommer, Kostas Kanellopoulos, Dimitris Papanikolopoulos, Maria Kousis, Franziska Scholl, Angelos Loukakis. 2018. New Rage, New Perspectives?. *KZfSS Kölner Zeitschrift für Soziologie und Sozialpsychologie* **70**:S1, 461-493. [[Crossref](#)]
246. Luca Fornaro. 2018. International Debt Deleveraging. *Journal of the European Economic Association* **16**:5, 1394-1432. [[Crossref](#)]
247. John R. Birge, Aein Khabazian, Jiming Peng. Optimization Modeling and Techniques for Systemic Risk Assessment and Control in Financial Networks 64-84. [[Crossref](#)]
248. Václav Brož, Evžen Kočenda. 2018. Dynamics and factors of inflation convergence in the European union. *Journal of International Money and Finance* **86**, 93-111. [[Crossref](#)]

249. Reinout A van der Veer, Markus Haverland. 2018. Bread and butter or bread and circuses? Politicisation and the European Commission in the European Semester. *European Union Politics* 19:3, 524-545. [[Crossref](#)]
250. Raquel R. da Costa, Sérgio Lagoa. 2018. The eurozone target-system from the perspective of Portugal. *Acta Oeconomica* 68:3, 353-376. [[Crossref](#)]
251. Inês Pinto, Winnie Ng Picoto. 2018. Earnings and capital management in European banks – Combining a multivariate regression with a qualitative comparative analysis. *Journal of Business Research* 89, 258-264. [[Crossref](#)]
252. Mario Quaranta. 2018. Repertoires of political participation: Macroeconomic conditions, socioeconomic resources, and participation gaps in Europe. *International Journal of Comparative Sociology* 59:4, 319-342. [[Crossref](#)]
253. Pablo Duarte. 2018. Monetary Policy, Privileges and Economic Development: Ordoliberal Lessons for the EMU. *ORDO* 69:1, 135-152. [[Crossref](#)]
254. Fabian Ochsenfeld. 2018. Mercantilist dualization: the introduction of the euro, redistribution of industry rents, and wage inequality in Germany, 1993–2008. *Socio-Economic Review* 16:3, 499-522. [[Crossref](#)]
255. Chrysovalantis Amountzias. 2018. The Effects of Competition, Liquidity and Exports on Markups: Evidence from the UK Food and Beverages Sector. *Journal of Industry, Competition and Trade* 18:2, 187-208. [[Crossref](#)]
256. Danny Busch, Mirik B. J. van Rijn. 2018. Towards Single Supervision and Resolution of Systemically Important Non-Bank Financial Institutions in the European Union. *European Business Organization Law Review* 19:2, 301-363. [[Crossref](#)]
257. Simon Gilchrist, Raphael Schoenle, Jae Sim, Egon Zakrajsek. 2018. Financial Heterogeneity and Monetary Union. *Finance and Economics Discussion Series* 2018:043. . [[Crossref](#)]
258. Alyssa Schneebaum, Miriam Rehm, Katharina Mader, Katarina Hollan. 2018. The Gender Wealth Gap Across European Countries. *Review of Income and Wealth* 64:2, 295-331. [[Crossref](#)]
259. Devin Singh. 2018. Sovereign Debt. *Journal of Religious Ethics* 46:2, 239-266. [[Crossref](#)]
260. Jonas Oliveira, Rogério Serrasqueiro, Sara Nunes Mota. 2018. Determinants of risk reporting by Portuguese and Spanish non-finance companies. *European Business Review* 30:3, 311-339. [[Crossref](#)]
261. Kai Enno Lehmann. 2018. The Crisis of the European Union as a Complex Adaptive System. *JCMS: Journal of Common Market Studies* 56:4, 971-988. [[Crossref](#)]
262. José Luis Casanova. 2018. Crisis and Cultural Change: The Countries with Adjustment Programmes in the European Union. *Comparative Sociology* 17:2, 187-220. [[Crossref](#)]
263. Raphael Fischer, Gunther Schnabl. 2018. Regional heterogeneity, the rise of public debt and monetary policy in post-bubble Japan: lessons for the EMU. *International Economics and Economic Policy* 15:2, 405-428. [[Crossref](#)]
264. Brunella Bruno, Enrico Onali, Klaus Schaeck. 2018. Market Reaction to Bank Liquidity Regulation. *Journal of Financial and Quantitative Analysis* 53:2, 899-935. [[Crossref](#)]
265. Jack Blumenau, Benjamin E. Lauderdale. 2018. Never Let a Good Crisis Go to Waste: Agenda Setting and Legislative Voting in Response to the EU Crisis. *The Journal of Politics* 80:2, 462-478. [[Crossref](#)]
266. Douglas Marcos Ferreira, Leonardo Bornacki de Mattos. 2018. Estresses financeiros na economia brasileira durante o regime de metas para inflação*. *Economia e Sociedade* 27:1, 233-263. [[Crossref](#)]
267. Daniela Castro-Camilo, Miguel de Carvalho, Jennifer Wadsworth. 2018. Time-varying extreme value dependence with application to leading European stock markets. *The Annals of Applied Statistics* 12:1. . [[Crossref](#)]

268. António Afonso, Jorge Silva. 2018. Debt crisis and 10-year sovereign yields in Ireland and in Portugal. *Applied Economics Letters* **25**:4, 217-222. [[Crossref](#)]
269. Oliver Landmann. 2018. On the Logic of Fiscal Policy Coordination in a Monetary Union. *Open Economies Review* **29**:1, 69-87. [[Crossref](#)]
270. Meher Manzur. 2018. Exchange rate economics is always and everywhere controversial. *Applied Economics* **50**:3, 216-232. [[Crossref](#)]
271. Stephanie Bergbauer. The Relevance of a Common European Identity Among the Citizens of Europe 1-13. [[Crossref](#)]
272. Dóra Györfffy. Understanding Success and Failure in Financial Crisis Management 1-24. [[Crossref](#)]
273. Dóra Györfffy. A Bird's-Eye View of Crisis Management in the Euro-Zone 25-49. [[Crossref](#)]
274. Dóra Györfffy. The Collapse and Reform of the Mediterranean Social Model in Cyprus, Portugal, and Spain 113-146. [[Crossref](#)]
275. Neil Dooley. Portugal's Economic Crisis: Overheating Without Accelerating 73-91. [[Crossref](#)]
276. Elzbieta Majewska, Joanna Olbrys. Measuring Dynamics of Financial Integration on the Euro Area Stock Markets, 2000–2016 129-142. [[Crossref](#)]
277. Oscar Fitch-Roy, Jenny Fairbrass. The Politics Stream 87-97. [[Crossref](#)]
278. Vassili Joannidès de Lautour. Strategic Planning and Forecasting 133-215. [[Crossref](#)]
279. Vassili Joannidès de Lautour. Management Accounting in the Public Sector 157-242. [[Crossref](#)]
280. Ray Kinsella, Maurice Kinsella. A Critical Inflection Point for the EU 17-34. [[Crossref](#)]
281. Ray Kinsella, Maurice Kinsella. European Monetary Union and the Challenge of Economic Integration 59-81. [[Crossref](#)]
282. Ray Kinsella, Maurice Kinsella. Troikanomics: Legacy and Lessons 197-214. [[Crossref](#)]
283. Chandana Ghosh, Ambar Ghosh. Capitalism, Crisis and the Common Man 67-85. [[Crossref](#)]
284. Niels Anthonisen. 2018. Sticky prices in a dynamic network economy: A family of counterexamples. *Journal of Mathematical Economics* **74**, 1-20. [[Crossref](#)]
285. Simon Neaime, Isabelle Gaysset, Nasser Badra. 2018. The eurozone debt crisis: A structural VAR approach. *Research in International Business and Finance* **43**, 22-33. [[Crossref](#)]
286. Iain Begg. Genuine Economic and Monetary Union 5216-5228. [[Crossref](#)]
287. Stefan A. Schirm. 2018. Societal foundations of governmental preference formation in the Eurozone crisis. *European Politics and Society* **19**:1, 63-78. [[Crossref](#)]
288. Swen Hutter, Hanspeter Kriesi, Guillem Vidal. 2018. Old versus new politics. *Party Politics* **24**:1, 10-22. [[Crossref](#)]
289. Maja Mihelja Žaja, Ana Sović Kržić, David Habek. 2018. Forecasting fiscal variables in selected European economies using least absolute deviation method. *International Journal of Engineering Business Management* **10**, 184797901775148. [[Crossref](#)]
290. Alexei Alexandrov, Daniel Grodzicki, zlem Bedre-Defolie. 2018. Consumer Demand for Credit Card Services. *SSRN Electronic Journal* . [[Crossref](#)]
291. Roberto Casarin, Michele Costola, Erdem Yenerdag. 2018. Financial Bridges and Network Communities. *SSRN Electronic Journal* . [[Crossref](#)]
292. Tomasz Piotr Wisniewski, Peter M. Jackson. 2018. Government Debt Expansion and Stock Returns. *SSRN Electronic Journal* **34**. . [[Crossref](#)]
293. Mario Rudolf Englert, Christopher Koch, Jens Wüstemann. 2018. The Effects of the Financial Crisis on the Organizational Reputation of Banks: An Empirical Analysis of Newspaper Articles. *SSRN Electronic Journal* . [[Crossref](#)]

294. Pietro Grandi. 2018. Sovereign Risk and Cross-Country Heterogeneity in the Transmission of Monetary Policy to Bank Lending in the Euro Area. *SSRN Electronic Journal* 46. . [[Crossref](#)]
295. Doron Levit, Anton Tsoy. 2018. A Theory of Blanket Recommendations. *SSRN Electronic Journal* 23. . [[Crossref](#)]
296. Roland Ffss, Daniel Ruf. 2018. Office Market Interconnectedness and Systemic Risk Exposure. *SSRN Electronic Journal* 102. . [[Crossref](#)]
297. Po-Chin Wu, Chia-Jui Chang. 2017. Nonlinear impacts of debt ratio and term spread on inward FDI performance persistence. *Economia Politica* 34:3, 369-388. [[Crossref](#)]
298. Januj Juneja. 2017. How Germany benefits the most from its Eurozone membership. *Research in International Business and Finance* 42, 1074-1088. [[Crossref](#)]
299. PAMI DUA, DIVYA TUTEJA. 2017. IMPACT OF EUROZONE SOVEREIGN DEBT CRISIS ON CHINA AND INDIA. *The Singapore Economic Review* 62:05, 1137-1164. [[Crossref](#)]
300. John Kandrac, Bernd Schlusche. 2017. Quantitative Easing and Bank Risk taking: Evidence from Lending. *Finance and Economics Discussion Series* 2017:125. . [[Crossref](#)]
301. Neil Dooley. 2017. Divergence via Europeanisation: rethinking the origins of the Portuguese debt crisis. *Third World Thematics: A TWQ Journal* 2:6, 783-804. [[Crossref](#)]
302. Kostas Tsekouras, Nikos Chatzistamoulou, Kostas Kounetas. 2017. Productive performance, technology heterogeneity and hierarchies: Who to compare with whom. *International Journal of Production Economics* 193, 465-478. [[Crossref](#)]
303. Zeno Adams, Roland Füss, Thorsten Glück. 2017. Are correlations constant? Empirical and theoretical results on popular correlation models in finance. *Journal of Banking & Finance* 84, 9-24. [[Crossref](#)]
304. Jannik Jäger, Theodor Grigoriadis. 2017. The effectiveness of the ECB's unconventional monetary policy: Comparative evidence from crisis and non-crisis Euro-area countries. *Journal of International Money and Finance* 78, 21-43. [[Crossref](#)]
305. Harald Kinateder, Niklas Wagner. 2017. Quantitative easing and the pricing of EMU sovereign debt. *The Quarterly Review of Economics and Finance* 66, 1-12. [[Crossref](#)]
306. Ansgar Belke, Jens Klose. 2017. Equilibrium Real Interest Rates and Secular Stagnation: An Empirical Analysis for Euro Area Member Countries. *JCMS: Journal of Common Market Studies* 55:6, 1221-1238. [[Crossref](#)]
307. Martin Gächter, Alexander Gruber, Aleksandra Riedl. 2017. Wage Divergence, Business Cycle Co-Movement and the Currency Union Effect. *JCMS: Journal of Common Market Studies* 55:6, 1322-1342. [[Crossref](#)]
308. Tiago Cardao-Pito. Are They All the Same? Banking and Financial Crises in Debt-Ridden Euroarea Countries 305-331. [[Crossref](#)]
309. Julius Horvath, Alfredo Hernandez Sanchez. Sovereign Debt Crisis: Euro-Reality 417-433. [[Crossref](#)]
310. L. M. Rosalino, C. Gheler-Costa, G. Santos, M. T. Gonçalves, C. Fonseca, A. I. Leal. 2017. Conservation priorities for elementary school students: Neotropical and European perspectives. *Biodiversity and Conservation* 26:11, 2675-2697. [[Crossref](#)]
311. Philipp Heimberger, Jakob Kapeller. 2017. The performativity of potential output: pro-cyclicality and path dependency in coordinating European fiscal policies. *Review of International Political Economy* 24:5, 904-928. [[Crossref](#)]
312. Raul Caruso, Marco Di Domizio. 2017. Military spending and budget deficits: the impact of US military spending on public debt in Europe (1988-2013). *Defence and Peace Economics* 28:5, 534-549. [[Crossref](#)]

313. Ilias S. Kevork, Jenny Pange, Panayiotis Tzeremes, Nickolaos G. Tzeremes. 2017. Estimating Malmquist productivity indexes using probabilistic directional distances: An application to the European banking sector. *European Journal of Operational Research* **261**:3, 1125-1140. [[Crossref](#)]
314. João Dias. 2017. Unemployment and sovereign debt crisis in the Eurozone: A k -means- r analysis. *Physica A: Statistical Mechanics and its Applications* **482**, 108-117. [[Crossref](#)]
315. Miguel Rodriguez Gonzalez, Frederik Kunze, Christoph Schwarzbach, Christoph Dieng. 2017. Asset liability management and the euro crisis. *The Journal of Risk Finance* **18**:4, 466-483. [[Crossref](#)]
316. Haoshen Hu. 2017. The impact of sovereign rating events on bank stock returns. *The Journal of Risk Finance* **18**:4, 338-367. [[Crossref](#)]
317. Mirosław Dusza. 2017. Chaos finansowy. *Problemy Zarzadzania* **15**:2 (68), 169-189. [[Crossref](#)]
318. Annalisa Ferrando, Alexander Popov, Gregory F. Udell. 2017. Sovereign stress and SMEs' access to finance: Evidence from the ECB's SAFE survey. *Journal of Banking & Finance* **81**, 65-80. [[Crossref](#)]
319. Philippe Martin, Thomas Philippon. 2017. Inspecting the Mechanism: Leverage and the Great Recession in the Eurozone. *American Economic Review* **107**:7, 1904-1937. [[Abstract](#)] [[View PDF article](#)] [[PDF with links](#)]
320. Simona Piattoni. 2017. The European Union between Intergovernmentalism and 'Shared and Responsible Sovereignty': The Haptic Potential of EMU's Institutional Architecture (The Government and Opposition /Leonard Schapiro Lecture, 2016). *Government and Opposition* **52**:3, 385-411. [[Crossref](#)]
321. Mario Coccia. 2017. Asymmetric paths of public debts and of general government deficits across countries within and outside the European monetary unification and economic policy of debt dissolution. *The Journal of Economic Asymmetries* **15**, 17-31. [[Crossref](#)]
322. David Beckworth. 2017. The monetary policy origins of the eurozone crisis. *International Finance* **20**:2, 114-134. [[Crossref](#)]
323. Jeffry Frieden, Stefanie Walter. 2017. Understanding the Political Economy of the Eurozone Crisis. *Annual Review of Political Science* **20**:1, 371-390. [[Crossref](#)]
324. Priscila Ferreira, George Saridakis. 2017. Firm Shutdown During the Financial and the Sovereign Debt Crises: Empirical Evidence from Portugal. *International Journal of the Economics of Business* **24**:2, 153-179. [[Crossref](#)]
325. Sérgio Lagoa. 2017. Determinants of Inflation Differentials in the Euro Area: Is the New Keynesian Phillips Curve Enough?. *Journal of Applied Economics* **20**:1, 75-103. [[Crossref](#)]
326. Martin Eling, Philipp Schaper. 2017. Under pressure: how the business environment affects productivity and efficiency of European life insurance companies. *European Journal of Operational Research* **258**:3, 1082-1094. [[Crossref](#)]
327. Massimo Guidolin, Manuela Pedio. 2017. Identifying and measuring the contagion channels at work in the European financial crises. *Journal of International Financial Markets, Institutions and Money* **48**, 117-134. [[Crossref](#)]
328. Andrea Bonilla Bolaños. 2017. Initiative for Infrastructure Integration in South America: Way Toward Regional Convergence. *International Economic Journal* **31**:2, 326-354. [[Crossref](#)]
329. Tiago Cardao-Pito, Diogo Baptista. 2017. Portugal's banking and financial crises: unexpected consequences of monetary integration?. *Journal of Economic Policy Reform* **20**:2, 165-191. [[Crossref](#)]
330. Myeong Hyeon Kim, Lingxia Sun. 2017. Dynamic conditional correlations between Chinese sector returns and the S&P 500 index: An interpretation based on investment shocks. *International Review of Economics & Finance* **48**, 309-325. [[Crossref](#)]
331. Gráinne McKeever, Mark Simpson. 2017. Worlds of welfare collide. *European Journal of Social Security* **19**:1, 21-44. [[Crossref](#)]

332. David Matesanz Gomez, Hernan J. Ferrari, Benno Torgler, Guillermo J. Ortega. 2017. Synchronization and diversity in business cycles: a network analysis of the European Union. *Applied Economics* **49**:10, 972-986. [[Crossref](#)]
333. Marta Degl'Innocenti, Stavros A. Kourtzidis, Zeljko Sevic, Nickolaos G. Tzeremes. 2017. Bank productivity growth and convergence in the European Union during the financial crisis. *Journal of Banking & Finance* **75**, 184-199. [[Crossref](#)]
334. Tero Kuusi. 2017. Does the Structural Budget Balance Guide Fiscal Policy Pro-Cyclically? Evidence from the Finnish Great Depression of the 1990s. *National Institute Economic Review* **239**, R14-R31. [[Crossref](#)]
335. Pierre Aldama. Fiscal Sustainability and Fiscal Rules in a Monetary Union: Theory and Practice in Europe 43-68. [[Crossref](#)]
336. Elzbieta Majewska, Joanna Olbrys. Formal Identification of Crises on the Euro Area Stock Markets, 2004-2015 167-180. [[Crossref](#)]
337. Leonardo Morlino, Francesco Raniolo. Introduction 1-6. [[Crossref](#)]
338. Leonardo Morlino, Francesco Raniolo. How to Analyse the Impact of the Economic Crisis on Democracies 7-24. [[Crossref](#)]
339. Sascha Bützer. (Monetary) Policy Options for the Euro Area: A Compendium to the Crisis 125-162. [[Crossref](#)]
340. Christopher Tsoukis, Ioannis Bournakis, Dimitris K. Christopoulos, Theodore Palivos. Introduction 3-40. [[Crossref](#)]
341. Christopher Tsoukis. The Limits of Austerity: The Fiscal Multiplier and the 'Debt Laffer Curve' 223-247. [[Crossref](#)]
342. Yunong Zhang, Zhongxian Xue, Mengling Xiao, Yingbiao Ling, Chengxu Ye. Ten-Quarter Projection for Spanish Central Government Debt via WASD Neuronet 893-902. [[Crossref](#)]
343. Leonardo Morlino. Wirtschaftskrise und Demokratie: Eine Wirkungsanalyse 447-465. [[Crossref](#)]
344. Akriki Andreou, Andreas Andrikopoulos, Christos Nastopoulos. Debt Markets, Financial Crises, and Public Finance in the Eurozone: Action, Structure, and Experience in Greece 3-28. [[Crossref](#)]
345. Jin Cheng, Meixing Dai, Frédéric Dufourt. 2017. Banking and sovereign debt crises in a monetary union without central bank intervention. *Journal of Mathematical Economics* **68**, 142-151. [[Crossref](#)]
346. Raouf Boucekkine, Kazuo Nishimura, Alain Venditti. 2017. Introduction to international financial markets and banking systems crises. *Journal of Mathematical Economics* **68**, 87-91. [[Crossref](#)]
347. Janet Morrison. The Global Economic Environment 114-154. [[Crossref](#)]
348. Yusuf Temur, Halit Çiçek, İlhan Eroğlu, Cumhur Erdem. 2017. Identifying relationship between macroeconomic and fiscal policy variables for EU countries and Turkey. *Economic Research-Ekonomiska Istraživanja* **30**:1, 125-139. [[Crossref](#)]
349. Zeno Adams, Roland FFss, Thorsten W. Gluck. 2017. Are Correlations Constant? Empirical and Theoretical Results on Popular Correlation Models in Finance. *SSRN Electronic Journal* . [[Crossref](#)]
350. Danny Busch, Mirik van Rijn. 2017. Towards Single Resolution and Single Supervision of Systemically Important Financial Institutions in the European Union?. *SSRN Electronic Journal* . [[Crossref](#)]
351. Eduardo Bandrrs, Maria Dolores Gadea Rivas, Ana GGmez-Loscos. 2017. Regional Business Cycles Across Europe. *SSRN Electronic Journal* . [[Crossref](#)]
352. Samar Zlitni, Ahmed Ghorbel, Walid Khoufi. 2017. What Relationships between Commodities and CDS Indices? Evidence from Archimedean Copulas. *SSRN Electronic Journal* . [[Crossref](#)]

353. Mario Coccia. 2017. The Deteriorating Dynamics of Public Debts Across Countries within the European Monetary Unification in Comparison with Countries Outside the European Monetary. *SSRN Electronic Journal* 25. . [[Crossref](#)]
354. Matthew Greenwood-Nimmo, Viet Hoang Nguyen, Yongcheol Shin. 2017. What's Mine Is Yours: Sovereign Risk Transmission during the European Debt Crisis. *SSRN Electronic Journal* . [[Crossref](#)]
355. Antonio Afonso, Jorge Daniel Faria Silva. 2017. Effects of Euro Area Monetary Policy on Institutional Sectors: The Case of Portugal. *SSRN Electronic Journal* . [[Crossref](#)]
356. Gabriel Amobila Aboyadana, Lucy Boachie-Mensah Aboyadana. 2017. Monetary Policy, Bank Regulation and Risk-Taking. *SSRN Electronic Journal* . [[Crossref](#)]
357. Samar Zlitni, Ahmed Ghorbel, Walid Khoufi. 2017. What Relationships Between Commodities and CDS Indices? Evidence From Archimedean Copulas. *SSRN Electronic Journal* 105. . [[Crossref](#)]
358. Christis Katsouris. 2017. Sequential Break-Point Detection in Stationary Time Series: An Application to Monitoring Economic Indicators. *SSRN Electronic Journal* 98. . [[Crossref](#)]
359. Matias Cabrera, Gerald P. Dwyer, Margarita Samartín-Saéñz. 2016. Government finances and bank bailouts: Evidence from European stock markets. *Journal of Empirical Finance* 39, 169-179. [[Crossref](#)]
360. Alice Albonico, Alessia Paccagnini, Patrizio Tirelli. 2016. In search of the Euro area fiscal stance. *Journal of Empirical Finance* 39, 254-264. [[Crossref](#)]
361. Bodo Herzog. 2016. Modelling Monetary and Fiscal Governance in the Wake of the Sovereign Debt Crisis in Europe. *Economies* 4:4, 9. [[Crossref](#)]
362. Param Silvapulle, Jean Pierre Fenech, Alice Thomas, Rob Brooks. 2016. Determinants of sovereign bond yield spreads and contagion in the peripheral EU countries. *Economic Modelling* 58, 83-92. [[Crossref](#)]
363. Monica Billio, Roberto Casarin, Michele Costola, Andrea Pasqualini. 2016. An entropy-based early warning indicator for systemic risk. *Journal of International Financial Markets, Institutions and Money* 45, 42-59. [[Crossref](#)]
364. Petre Caraiani. 2016. Business Cycle Accounting for Peripheral European Economies. *Scottish Journal of Political Economy* 63:5, 468-496. [[Crossref](#)]
365. Leonardo Morlino, Mario Quaranta. 2016. What is the impact of the economic crisis on democracy? Evidence from Europe. *International Political Science Review* 37:5, 618-633. [[Crossref](#)]
366. Hyeonmi Ahn, ###. 2016. Impact of Sectoral Debt and House Price on Consumption: Evidence from OECD countries. *Review of International Money and Finance* 6:2, 49-67. [[Crossref](#)]
367. Kae-Yih Tzeng, Joseph Chang Pyng Shieh. 2016. The transmission from equity markets to commodity markets in crises periods. *Applied Economics* 48:48, 4666-4689. [[Crossref](#)]
368. Stefano Sacchi, Jungho Roh. 2016. Conditionality, austerity and welfare: Financial crisis and its impact on welfare in Italy and Korea. *Journal of European Social Policy* 26:4, 358-373. [[Crossref](#)]
369. Roberto Censolo, Caterina Colombo. 2016. The impact of the crisis on fiscal convergence in the EU: the early signs. *Journal of European Integration* 38:6, 703-717. [[Crossref](#)]
370. David Hope. 2016. Estimating the effect of the EMU on current account balances: A synthetic control approach. *European Journal of Political Economy* 44, 20-40. [[Crossref](#)]
371. Andrew Glencross. 2016. The European Council and the legitimacy paradox of new intergovernmentalism: constitutional agency meets politicisation. *Journal of European Integration* 38:5, 497-509. [[Crossref](#)]
372. Ulla Pape, Rafael Chaves-Ávila, Joachim Benedikt Pahl, Francesca Petrella, Bartosz Pielniński, Teresa Savall-Morera. 2016. Working under pressure: economic recession and third sector development in Europe. *International Journal of Sociology and Social Policy* 36:7/8, 547-566. [[Crossref](#)]

373. Benedetta Bianchi. 2016. Sovereign Risk Premia and the International Balance Sheet: Lessons from the European Crisis. *Open Economies Review* 27:3, 471-493. [[Crossref](#)]
374. George S. Atsalakis, Eftychios E. Protopapadakis, Kimon P. Valavanis. 2016. Stock trend forecasting in turbulent market periods using neuro-fuzzy systems. *Operational Research* 16:2, 245-269. [[Crossref](#)]
375. Paul A. Grout, Anna Zalewska. 2016. Stock market risk in the financial crisis. *International Review of Financial Analysis* 46, 326-345. [[Crossref](#)]
376. Kim Abildgren. 2016. Household micro-data, regulation and financial stability: the case of Denmark in the 1950s. *Studies in Economics and Finance* 33:2, 320-335. [[Crossref](#)]
377. Ivo J.M. Arnold, Beau Soederhuizen. 2016. Internal or external devaluation? What does the EC Consumer Survey tell us about macroeconomic adjustment in the Euro area?. *Journal of International Money and Finance* 64, 88-103. [[Crossref](#)]
378. Mark Copelovitch, Jeffrey Frieden, Stefanie Walter. 2016. The Political Economy of the Euro Crisis. *Comparative Political Studies* 49:7, 811-840. [[Crossref](#)]
379. Torben Iversen, David Soskice, David Hope. 2016. The Eurozone and Political Economic Institutions. *Annual Review of Political Science* 19:1, 163-185. [[Crossref](#)]
380. Anna Ruščáková, Jozefína Semančíková. 2016. The European Debt Crisis: A Brief Discussion of its Causes and Possible Solutions. *Procedia - Social and Behavioral Sciences* 220, 399-406. [[Crossref](#)]
381. Nikolaos Artavanis, Adair Morse, Margarita Tsoutsoura. 2016. Measuring Income Tax Evasion Using Bank Credit: Evidence from Greece *. *The Quarterly Journal of Economics* 131:2, 739-798. [[Crossref](#)]
382. GIULIA M. DOTTI SANI, BEATRICE MAGISTRO. 2016. Increasingly unequal? The economic crisis, social inequalities and trust in the European Parliament in 20 European countries. *European Journal of Political Research* 55:2, 246-264. [[Crossref](#)]
383. Klaus Grobys. 2016. Another look at momentum crashes: momentum in the European Monetary Union. *Applied Economics* 48:19, 1759-1766. [[Crossref](#)]
384. Guido Baldi, Karsten Staehr. 2016. The European debt crisis and fiscal reactions in Europe 2000–2014. *International Economics and Economic Policy* 13:2, 297-317. [[Crossref](#)]
385. Alison Johnston, Aidan Regan. 2016. European Monetary Integration and the Incompatibility of National Varieties of Capitalism. *JCMS: Journal of Common Market Studies* 54:2, 318-336. [[Crossref](#)]
386. Carla Fernandes, Paulo M. Gama, Elisabete Vieira. 2016. Does local and Euro area sentiment matter for sovereign debt markets? Evidence from a bailout country. *Applied Economics* 48:9, 816-834. [[Crossref](#)]
387. Daniel Buncic, Gion Donat Piras. 2016. Heterogeneous agents, the financial crisis and exchange rate predictability. *Journal of International Money and Finance* 60, 313-359. [[Crossref](#)]
388. J. Scott Davis, Adrienne Mack, Wesley Phoa, Anne Vandenaabeele. 2016. Credit booms, banking crises, and the current account. *Journal of International Money and Finance* 60, 360-377. [[Crossref](#)]
389. Juan Gabriel Brida, David Matesanz, Maria Nela Seijas. 2016. Network analysis of returns and volume trading in stock markets: The Euro Stoxx case. *Physica A: Statistical Mechanics and its Applications* 444, 751-764. [[Crossref](#)]
390. Filippo Brutti, Philip Sauré. 2016. REPATRIATION OF DEBT IN THE EURO CRISIS. *Journal of the European Economic Association* 14:1, 145-174. [[Crossref](#)]
391. Mouhamadou Sy. 2016. Overborrowing and Balance of Payments Imbalances in a Monetary Union. *Review of International Economics* 24:1, 67-98. [[Crossref](#)]
392. Sascha Engel. 2016. An Alternative Approach to the Institutional Economics of the Eurozone Crisis. *Journal of Economic Issues* 50:1, 145-164. [[Crossref](#)]
393. Servaas Storm, C.W.M. Naastepad. 2016. Myths, Mix-ups, and Mishandlings: Understanding the Eurozone Crisis. *International Journal of Political Economy* 45:1, 46-71. [[Crossref](#)]

394. Nicolò Conti, Vincenzo Memoli. The Context of Opposition to and Support for the EU in the Member States 85-95. [[Crossref](#)]
395. Stavros Degiannakis, David Duffy, George Filis, Alexandra Livada. 2016. Business cycle synchronisation in EMU: Can fiscal policy bring member-countries closer?. *Economic Modelling* **52**, 551-563. [[Crossref](#)]
396. Caroline Bradley. Changing Perceptions of Systemic Risk in Financial Regulation 75-106. [[Crossref](#)]
397. Richard Barwell. When Bond Markets Attack 377-401. [[Crossref](#)]
398. Riens Galema, Michael Koetter. European Bank Efficiency and Performance: The Effects of Supranational Versus National Bank Supervision 257-292. [[Crossref](#)]
399. Robert Kissack. The Global Financial Crisis and Emerging Economies: EU Accommodation and Entrenchment in the IMF 157-177. [[Crossref](#)]
400. Jonathan Luckhurst. Strategic Economic Effects of the GFC 23-61. [[Crossref](#)]
401. John Peterson. Introduction: Where Things Stand and What Happens Next 1-18. [[Crossref](#)]
402. Servaas Storm, C. W. M. Naastepad. Structural Divergence and Crisis in the Eurozone: The Role of NAIRU Economics 101-128. [[Crossref](#)]
403. Beata Szetela, Grzegorz Mentel, Jacek Brożyna. 2016. In search of insolvency among European countries. *Economic Research-Ekonomska Istraživanja* **29**:1, 839-856. [[Crossref](#)]
404. Barry Eichengreen, Ugo Panizza. 2016. A surplus of ambition: can Europe rely on large primary surpluses to solve its debt problem?. *Economic Policy* **31**:85, 5-49. [[Crossref](#)]
405. Atif Ansar, Bent Flyvbjerg, Alexander Budzier, Daniel Lunn. 2016. Does infrastructure investment lead to economic growth or economic fragility? Evidence from China. *Oxford Review of Economic Policy* **32**:3, 360-390. [[Crossref](#)]
406. Mohammadhussein Rafieisakhaei, Babak Barazandeh. Modeling dynamics of a market-based emission control system: Efficacy analysis 213-218. [[Crossref](#)]
407. Tatiana Covalschi, Sebastian Lazăr. 2016. The Sustainability of Public Finances in Republic of Moldova Under EU Fiscal Rules. *Scientific Annals of Economics and Business* **63**:2, 149-159. [[Crossref](#)]
408. Matias Daniel Cabrera, Gerald P. Dwyer, Margarita Samarttn SSenz. 2016. Government Finances, Banks Bailouts and Moral Hazard: Evidence from European Stock Markets. *SSRN Electronic Journal* . [[Crossref](#)]
409. Alice Albonico, Alessia Paccagnini, Patrizio Tirelli. 2016. In Search of the Euro Area Fiscal Stance. *SSRN Electronic Journal* **286**. . [[Crossref](#)]
410. Aein Khabazian, Jiming Peng. 2016. Vulnerability Analysis of the Financial Network. *SSRN Electronic Journal* . [[Crossref](#)]
411. Alice Albonico, Alessia Paccagnini, Patrizio Tirelli. 2016. PIIGS in the Euro Area. An Empirical DSGE Model. *SSRN Electronic Journal* **286**. . [[Crossref](#)]
412. Luigi Marattin, Simone Meraglia. 2016. Potential Output and Fiscal Rules in a Monetary Union Under Asymmetric Information 2nd Ed. *SSRN Electronic Journal* . [[Crossref](#)]
413. Andrea Gabriela Bonilla Bolao. 2016. A Step Further in the Theory of Regional Integration: A Look at the Unasur's Integration Strategy. *SSRN Electronic Journal* . [[Crossref](#)]
414. Elena Andreou, Snezana Eminidou, Marios Zachariadis. 2016. Inflation Expectations and Monetary Policy in Europe. *SSRN Electronic Journal* . [[Crossref](#)]
415. Yair Listokin. 2016. Law and Macroeconomics: The Law and Economics of Recessions. *SSRN Electronic Journal* . [[Crossref](#)]
416. Istvvn Deddk, kos Dombi. 2016. The Burden of Public Debt in Neoclassical Growth Models: Do We Have to Worry About it?. *SSRN Electronic Journal* **24**. . [[Crossref](#)]

417. Dana Zordova. 2016. European Welfare State Models and the Impact of the 2008 Financial Crisis. *SSRN Electronic Journal* . [[Crossref](#)]
418. Dana Zordova. 2016. The Finnish Welfare State and the Prolonged 2008 Crisis. *SSRN Electronic Journal* . [[Crossref](#)]
419. Orkun Saka. 2016. Domestic Banks As Lightning Rods? Home Bias During Eurozone Crisis. *SSRN Electronic Journal* . [[Crossref](#)]
420. Philipp Heimberger, Jakob Kapeller. 2016. The Performativity of Potential Output: Pro-Cyclicality and Path Dependency in Coordinating European Fiscal Policies. *SSRN Electronic Journal* . [[Crossref](#)]
421. Ergis Sefa. 2016. Survival of the Selfless: The EU Sovereign Debt Crisis and Its Effect of Relationships between Member States. *SSRN Electronic Journal* . [[Crossref](#)]
422. . Références bibliographiques 227-236. [[Crossref](#)]
423. Stephanos Papadamou, Eleftherios Spyromitros. The Twin Deficit as an Early Warning Sign in Avoiding Crises 310-331. [[Crossref](#)]
424. Jaroslav Mysiak, C. Dionisio Pérez-Blanco. 2016. Partnerships for disaster risk insurance in the EU. *Natural Hazards and Earth System Sciences* **16**:11, 2403-2419. [[Crossref](#)]
425. Johannes-Jörg Riegler, Tobias Basse, Christoph Wegener. Staatsschuldenkrise und europäisches Bankensystem: Deutschland vs. Spanien 93-103. [[Crossref](#)]
426. Nikos Paltalidis, Dimitrios Gounopoulos, Renatas Kizys, Yiannis Koutelidakis. 2015. Transmission channels of systemic risk and contagion in the European financial network. *Journal of Banking & Finance* **61**, S36-S52. [[Crossref](#)]
427. Michael Olabisi, Howard Stein. 2015. Sovereign bond issues: Do African countries pay more to borrow?. *Journal of African Trade* **2**:1-2, 87-109. [[Crossref](#)]
428. Servaas Storm, C.W.M. Naastepad. 2015. NAIRU economics and the Eurozone crisis. *International Review of Applied Economics* **29**:6, 843-877. [[Crossref](#)]
429. Piotr Ciżkowicz, Andrzej Rzońca, Rafał Trzeciakowski. 2015. Windfall of Low Interest Payments and Fiscal Sustainability in the Euro Area: Analysis through Panel Fiscal Reaction Functions. *Kyklos* **68**:4, 475-510. [[Crossref](#)]
430. Víctor Manuel Cuevas Ahumada. 2015. La arquitectura de la eurozona y la crisis de su periferia. *Contaduría y Administración* **60**, 24-53. [[Crossref](#)]
431. Hung Xuan Do, Robert Brooks, Sirimon Treepongkaruna. 2015. Realized spill-over effects between stock and foreign exchange market: Evidence from regional analysis. *Global Finance Journal* **28**, 24-37. [[Crossref](#)]
432. Jędrzej Biłkowski, Martin T. Bohl, Patrick M. Stephan, Tomasz P. Wisniewski. 2015. The gold price in times of crisis. *International Review of Financial Analysis* **41**, 329-339. [[Crossref](#)]
433. David Matesanz, Guillermo J. Ortega. 2015. Sovereign public debt crisis in Europe. A network analysis. *Physica A: Statistical Mechanics and its Applications* **436**, 756-766. [[Crossref](#)]
434. John Phelan. 2015. The Road Not Taken: A Comparison Between the Hard ECU and the Euro. *Economic Affairs* **35**:3, 397-415. [[Crossref](#)]
435. Herbert Brücker. 2015. Migration und Finanzkrise. *KZfjSS Kölner Zeitschrift für Soziologie und Sozialpsychologie* **67**:S1, 165-191. [[Crossref](#)]
436. Jørgen Bølstad, Christoph Elhardt. 2015. To bail out or not to bail out? Crisis politics, credibility, and default risk in the Eurozone. *European Union Politics* **16**:3, 325-346. [[Crossref](#)]
437. Yu Hsing. 2015. Determinants of the Government Bond Yield in Spain: A Loanable Funds Model. *International Journal of Financial Studies* **3**:3, 342-350. [[Crossref](#)]

438. Yoichi Tsuchiya. 2015. Simple Analytics of the Dynamic Laffer Curve Under Alternative Financing Schemes. *Applied Economics Quarterly* **61**:3, 199-227. [[Crossref](#)]
439. Brigitte Granville, Dominik Nagly. 2015. Conflicting Incentives for Public Support for EMU. *The Manchester School* **83**:S2, 142-157. [[Crossref](#)]
440. Berend van der Kolk, Henk J. ter Bogt, Paula M.G. van Veen-Dirks. 2015. Constraining and facilitating management control in times of austerity. *Accounting, Auditing & Accountability Journal* **28**:6, 934-965. [[Crossref](#)]
441. Christian Keuschnigg, Klaus Weyerstrass. 2015. Macroeconomic Adjustment and Institutional Reforms in the Euro Area. *International Advances in Economic Research* **21**:3, 275-285. [[Crossref](#)]
442. Òscar Jordà, Moritz Schularick, Alan M. Taylor. 2015. Betting the house. *Journal of International Economics* **96**, S2-S18. [[Crossref](#)]
443. Christoph S. Weber. 2015. The Euro crisis. Causes and Symptoms. *Estudios Fronterizos* **16**:32, 247-282. [[Crossref](#)]
444. Udechukwu Ojiako, Thanos Papadopoulos, Teta Stamati, Dimosthenis Anagnostopoulos, Alasdair Marshall. 2015. Collaborative governance in Greek infrastructure projects. *Proceedings of the Institution of Civil Engineers - Management, Procurement and Law* **168**:3, 135-145. [[Crossref](#)]
445. Gilles Ivaldi, Andrej Zaslove. 2015. L'Europe des populismes : confluences et diversité. *Revue européenne des sciences sociales* :53-1, 121-155. [[Crossref](#)]
446. Jeffrey Frankel. 2015. The euro crisis: Where to from here?. *Journal of Policy Modeling* **37**:3, 428-444. [[Crossref](#)]
447. Pier Domenico Tortola. 2015. Coming Full Circle: The Euro Crisis, Integration Theory and the Future of the EU. *The International Spectator* **50**:2, 125-140. [[Crossref](#)]
448. Agustín S. Bénétrix, Philip R. Lane. 2015. International Differences in Fiscal Outcomes during the Global Crisis. *Fiscal Studies* **36**:1, 1-27. [[Crossref](#)]
449. Sascha Engel. 2015. "Germany", Asset Class Contagion, and Contagious Stability*. *New Perspectives* **23**:1, 45-70. [[Crossref](#)]
450. Umberto Muratori. 2015. Contagion in the Euro Area Sovereign Bond Market. *Social Sciences* **4**:1, 66-82. [[Crossref](#)]
451. Wasim Ahmad, N. R. Bhanumurthy, Sanjay Sehgal. 2015. Regime dependent dynamics and European stock markets: Is asset allocation really possible?. *Empirica* **42**:1, 77-107. [[Crossref](#)]
452. Daniel E. Nolle. 2015. Who's in Charge of Fixing the World's Financial System? The Un[?]der-Appreciated Lead Role of the G20 and the FSB. *Financial Markets, Institutions & Instruments* **24**:1, 1-82. [[Crossref](#)]
453. Andrea Cipollini, Jerry Coakley, Hyunchul Lee. 2015. The European sovereign debt market: from integration to segmentation. *The European Journal of Finance* **21**:2, 111-128. [[Crossref](#)]
454. . References 337-340. [[Crossref](#)]
455. Hafiz Hoque, Dimitris Andriosopoulos, Kostas Andriosopoulos, Raphael Douady. 2015. Bank regulation, risk and return: Evidence from the credit and sovereign debt crises. *Journal of Banking & Finance* **50**, 455-474. [[Crossref](#)]
456. Michael G. Arghyrou. From the Euro-Crisis to a New European Economic Architecture 308-328. [[Crossref](#)]
457. Cindy Moons, Kevin Hellinckx. 2015. Did Monetary Policy Fuel the Housing Bubble in Ireland?. *SSRN Electronic Journal* . [[Crossref](#)]
458. Stefan A. Schirm. 2015. Societal Foundations of European Policy Divergence in Financial Governance. *SSRN Electronic Journal* . [[Crossref](#)]

459. Stefano Neri, Tiziano Ropele. 2015. The Macroeconomic Effects of the Sovereign Debt Crisis in the Euro Area. *SSRN Electronic Journal* . [[Crossref](#)]
460. Monica Billio, Roberto Casarin, Michele Costola, Andrea Pasqualini. 2015. An Entropy-Based Early Warning Indicator for Systemic Risk. *SSRN Electronic Journal* . [[Crossref](#)]
461. Juan Gabriel Brida, David Matesanz GGmez, Maria Nela Seijas. 2015. Network Analysis of Returns and Volume Trading in Stock Markets: The Euro Stoxx Case. *SSRN Electronic Journal* . [[Crossref](#)]
462. Platon Monokroussos, Theodoros G. Stamatiou, Stylianos Gogos. 2015. GRexit and Why It Will Not Happen: Catastrophic for Greece and Destabilizing for the Euro. *SSRN Electronic Journal* . [[Crossref](#)]
463. Piotr Cizkowicz, Andrzej Rzonca, Rafal Trzeciakowski. 2015. Membership in the Euro Area and Fiscal Sustainability. Analysis Through Panel Fiscal Reaction Functions. *SSRN Electronic Journal* . [[Crossref](#)]
464. Andrea Gabriela Bonilla Bolao. 2015. Initiative for Infrastructure Integration in South America: Way Toward Regional Convergence. *SSRN Electronic Journal* . [[Crossref](#)]
465. Harald Kinader, Niklas Wagner. 2015. Quantitative Easing, Unobservables, and Fundamentals in the Pricing of EMU Sovereign Debt. *SSRN Electronic Journal* . [[Crossref](#)]
466. Marcus Wortmann, Markus Stahl. 2015. Die MIP-Indikatoren zur Analyse von Kern-Peripherie-Strukturen in der EU (The MIP Indicators to Analyse Core-Periphery Structures in the EU). *SSRN Electronic Journal* . [[Crossref](#)]
467. Jordan M. Becker. 2015. The Effect of Unemployment on Personnel Expenditures Among NATO and EU Member States. *SSRN Electronic Journal* **1001** . [[Crossref](#)]
468. Andrin BBgli, Felix Fattinger. 2015. European Puttable Bonds: An Alternative Instrument for Managing the Sovereign Debt Crisis. *SSRN Electronic Journal* **19** . [[Crossref](#)]
469. John Kandrac, Bernd Schlusche. 2015. Quantitative Easing and Bank Risk Taking: Evidence from Lending. *SSRN Electronic Journal* . [[Crossref](#)]
470. Marcello Pericoli, Marco Taboga. 2015. Decomposing Euro Area Sovereign Spreads: Credit, Liquidity and Convenience. *SSRN Electronic Journal* . [[Crossref](#)]
471. Reena Aggarwal, Jennie Bai, Luc Laeven. 2015. Sovereign Debt, Securities Lending, and Financing During Crisis. *SSRN Electronic Journal* . [[Crossref](#)]
472. Serkan Cura. The Impact of Sovereign Debt Crisis on the EU Economy 1-11. [[Crossref](#)]
473. Carmen Reinhart, M. Belen Sbrancia. 2015. The Liquidation of Government Debt. *IMF Working Papers* **15:7**, 1. [[Crossref](#)]
474. Simon H. Kwan, T. C. Wong, C. H. Hui. 2015. The International Transmission of Shocks: Foreign Bank Branches in Hong Kong During Crises. *SSRN Electronic Journal* **22** . [[Crossref](#)]
475. Arturo Bris, Yrjö Koskinen, Mattias Nilsson. 2014. The euro and corporate financing before the crisis. *Journal of Financial Economics* **114:3**, 554-575. [[Crossref](#)]
476. Gernot J. Müller. 2014. The Debate Over Austerity. *International Finance* **17:3**, 403-418. [[Crossref](#)]
477. Yonatan Berman, Yoash Shapira, Eshel Ben-Jacob. 2014. Unraveling Hidden Order in the Dynamics of Developed and Emerging Markets. *PLoS ONE* **9:11**, e112427. [[Crossref](#)]
478. Mark A. Johnson, Douglas J. Lamdin. 2014. Investment and saving and the euro crisis: A new look at Feldstein–Horioka. *Journal of Economics and Business* **76**, 101-114. [[Crossref](#)]
479. Alison Johnston, Bob Hancké, Suman Pant. 2014. Comparative Institutional Advantage in the European Sovereign Debt Crisis. *Comparative Political Studies* **47:13**, 1771-1800. [[Crossref](#)]
480. Christopher Holmes. 2014. 'Whatever it takes': Polanyian perspectives on the eurozone crisis and the gold standard. *Economy and Society* **43:4**, 582-602. [[Crossref](#)]

481. Silvia Ardagna, Francesco Caselli. 2014. The Political Economy of the Greek Debt Crisis: A Tale of Two Bailouts. *American Economic Journal: Macroeconomics* 6:4, 291-323. [[Abstract](#)] [[View PDF article](#)] [[PDF with links](#)]
482. Leo de Haan, Jeroen Hessel, Jan Willem van den End. 2014. Are European sovereign bonds fairly priced? The role of modelling uncertainty. *Journal of International Money and Finance* 47, 239-267. [[Crossref](#)]
483. Jonathan A. Batten, Niklas F. Wagner. Introduction to Risk Management Post Financial Crisis: A Period of Monetary Easing 3-13. [[Crossref](#)]
484. Alexander Michaelides. 2014. Cyprus: from boom to bail-in. *Economic Policy* 29:80, 639-689. [[Crossref](#)]
485. Christiane Lübke, Marcel Erlinghagen. 2014. Self-perceived job insecurity across Europe over time: Does changing context matter?. *Journal of European Social Policy* 24:4, 319-336. [[Crossref](#)]
486. Soodabeh Sarafrazi, Shawkat Hammoudeh, Paulo AraújoSantos. 2014. Downside risk, portfolio diversification and the financial crisis in the euro-zone. *Journal of International Financial Markets, Institutions and Money* 32, 368-396. [[Crossref](#)]
487. Akira Yakita. 2014. Involuntary unemployment and sustainability of bond-financed fiscal deficit. *Journal of Macroeconomics* 41, 79-93. [[Crossref](#)]
488. Christian Schweiger. 2014. The EU-25 Fiscal Compact : Differentiated Spillover Effects under Crisis Conditions. *Perspectives on European Politics and Society* 15:3, 293-304. [[Crossref](#)]
489. Juan Carlos Cuestas, Luis A. Gil-Alana, Karsten Staehr. 2014. Government debt dynamics and the global financial crisis: Has anything changed in the EA12?. *Economics Letters* 124:1, 64-66. [[Crossref](#)]
490. Roel Beetsma, Kostas Mavromatis. 2014. An analysis of eurobonds. *Journal of International Money and Finance* 45, 91-111. [[Crossref](#)]
491. Selin Sayek, Fatma Taskin. 2014. Financial crises: lessons from history for today. *Economic Policy* 29:79, 447-493. [[Crossref](#)]
492. Sven Steinkamp, Frank Westermann. 2014. The role of creditor seniority in Europe's sovereign debt crisis. *Economic Policy* 29:79, 495-552. [[Crossref](#)]
493. Kai Lehmann. 2014. Crisis?: What (Type) of Crisis? The overlapping problems of the European Union. *Revista de Sociologia e Política* 22:50, 33-48. [[Crossref](#)]
494. Jan Hanousek, Evžen Kočenda, Jan Novotný. 2014. Price jumps on European stock markets. *Borsa Istanbul Review* 14:1, 10-22. [[Crossref](#)]
495. Jens Klose, Benjamin Weigert. 2014. Sovereign Yield Spreads During the Euro Crisis: Fundamental Factors Versus Redenomination Risk. *International Finance* 17:1, 25-50. [[Crossref](#)]
496. Karl Farmer. 2014. Financial Integration and EMU's External Imbalances in a Two-Country OLG Model. *International Advances in Economic Research* 20:1, 1-21. [[Crossref](#)]
497. David E. Allen, Petko S. Kalev, Michael J. McAleer, Abhay K. Singh. Nonparametric Multiple Change-Point Analysis of the Responses of Asian Markets to the Global Financial Crisis 267-284. [[Crossref](#)]
498. Abderrazak Elkhaldi, Tarek Chebbi, Kamel Naoui. 2014. Measuring Contagious Effects on Euro Area Debt Crisis Using Daily CDS Spreads Changes. *Procedia Economics and Finance* 13, 14-29. [[Crossref](#)]
499. Giancarlo Corsetti, Keith Kuester, André Meier, Gernot J. Müller. 2014. Sovereign risk and belief-driven fluctuations in the euro area. *Journal of Monetary Economics* 61, 53-73. [[Crossref](#)]
500. Fernando Broner, Aitor Erce, Alberto Martin, Jaume Ventura. 2014. Sovereign debt markets in turbulent times: Creditor discrimination and crowding-out effects. *Journal of Monetary Economics* 61, 114-142. [[Crossref](#)]

501. Paolo Angelini, Giuseppe Grande, Fabio Panetta. 2014. The Negative Feedback Loop between Banks and Sovereigns. *SSRN Electronic Journal* . [[Crossref](#)]
502. Alexander Michaelides. 2014. What Happened in Cyprus?. *SSRN Electronic Journal* . [[Crossref](#)]
503. Nikos Paltalidis, Dimitrios Gounopoulos, Renatas Kizys, Yiannis Koutelidakis. 2014. Transmission Channels of Systemic Risk and Contagion in the European Financial Network. *SSRN Electronic Journal* . [[Crossref](#)]
504. Jakob de Haan, Jeroen Hessel, Niels D. Gilbert. 2014. Reforming the Architecture of EMU: Ensuring Stability in Europe. *SSRN Electronic Journal* . [[Crossref](#)]
505. John Phelan. 2014. The Road Not Taken The Hard ECU; Britain's Alternative to the Euro. *SSRN Electronic Journal* . [[Crossref](#)]
506. Miklos Vari. 2014. Implementing Monetary Policy in a Fragmented Monetary Union. *SSRN Electronic Journal* . [[Crossref](#)]
507. Matthias Haerri, Stefan Morkoetter, Simone Westerfeld. 2014. Sovereign Risk and the Pricing of Corporate Credit Default Swaps. *SSRN Electronic Journal* . [[Crossref](#)]
508. Luigi Bonatti, Andrea Fracasso. Crisis in the Eurozone: Some Popular Fallacies and a Few Unpleasant Remarks 125-144. [[Crossref](#)]
509. Iain Begg. Genuine Economic and Monetary Union 1-12. [[Crossref](#)]
510. scar Jorddd, Moritz Schularick, Alan M. Taylor. 2014. Betting the House. *SSRN Electronic Journal* 34. . [[Crossref](#)]
511. Martina Krásnická. 2013. Legal and economic aspects of deeper EU integration in the Czech Republic. *Acta Universitatis Agriculturae et Silviculturae Mendelianae Brunensis* 61:7, 2351-2355. [[Crossref](#)]
512. Hafiz Hoque. 2013. From the credit crisis to the sovereign debt crisis: Determinants of share price performance of global banks. *International Review of Financial Analysis* 30, 334-350. [[Crossref](#)]
513. Inna Cábélková, Wadim Strielkowski. 2013. Is the level of taxation a product of culture? A cultural economics approach. *Society and Economy* 35:4, 513-529. [[Crossref](#)]
514. Jean Messiha, Bruno-Laurent Moschetto, Frédéric Teulon. 2013. Pouvait-on éteindre la crise financière chypriote sans affaiblir durablement l'Europe ?. *Revue d'économie financière* N° 112:4, 299-316. [[Crossref](#)]
515. Eleftherios Goulas, Athina Zervoyianni. 2013. Growth, deficits and uncertainty: Theoretical aspects and empirical evidence from a panel of 27 countries. *The Quarterly Review of Economics and Finance* 53:4, 380-392. [[Crossref](#)]
516. Luigi Bonatti, Andrea Fracasso. 2013. The German Model and the European Crisis. *JCMS: Journal of Common Market Studies* 51:6, 1023-1039. [[Crossref](#)]
517. Nik Hynek. 2013. Coping with U.S. and EU's challenges? Strategic confusion in the Czech foreign and security policy. *Communist and Post-Communist Studies* 46:3, 373-385. [[Crossref](#)]
518. László Fikó. 2013. Crisis Management: What can the European periphery learn from Asia?. *Társadalomkutatás* 31:3, 305-316. [[Crossref](#)]
519. Gonzalo Caballero. 2013. Effects of Fiscal and Monetary Policy in the Great Recession. *Economies* 1:2, 15-18. [[Crossref](#)]
520. Paolo Angelini, Giuseppe Grande, Fabio Panetta. 2013. Les interactions négatives entre banques et États. *Revue d'économie financière* N° 111:3, 19-62. [[Crossref](#)]
521. David Peón, Fernando Rey. 2013. Playing with Fire: Internal Devaluation for the GIPSI Countries. *ISRN Economics* 2013, 1-20. [[Crossref](#)]
522. Enrico Spolaore. 2013. What Is European Integration Really About? A Political Guide for Economists. *Journal of Economic Perspectives* 27:3, 125-144. [[Abstract](#)] [[View PDF article](#)] [[PDF with links](#)]

523. Jesús Fernández-Villaverde,, Luis Garicano,, Tano Santos. 2013. Political Credit Cycles: The Case of the Eurozone. *Journal of Economic Perspectives* 27:3, 145-166. [[Abstract](#)] [[View PDF article](#)] [[PDF with links](#)]
524. Christoph M. Schmidt, Benjamin Weigert. 2013. Weathering the crisis and beyond: perspectives for the Euro area. *International Tax and Public Finance* 20:4, 564-595. [[Crossref](#)]
525. Philip R. Lane. 2013. Financial Globalisation and the Crisis. *Open Economies Review* 24:3, 555-580. [[Crossref](#)]
526. Jeromin Zettelmeyer, Christoph Trebesch, Mitu Gulati. 2013. The Greek debt restructuring: an autopsy. *Economic Policy* 28:75, 513-563. [[Crossref](#)]
527. Catalin Dragomirescu-Gaina, Dionisis Philippas. 2013. Is the EMU government bond market a playground for asymmetries?. *The Journal of Economic Asymmetries* 10:1, 21-31. [[Crossref](#)]
528. Stephen Kinsella, G. Tiou-Tagba Aliti. 2013. Modeling Moments of Crisis: The Case of Ireland. *Journal of Economic Issues* 47:2, 561-566. [[Crossref](#)]
529. Agustín S. Bénétrix, Philip R. Lane. 2013. Fiscal cyclicity and EMU. *Journal of International Money and Finance* 34, 164-176. [[Crossref](#)]
530. . 499-571. [[Crossref](#)]
531. Stephen Kinsella, Gnanonobodom Tiou-Tagba Aliti. 2013. Modeling Moments of Crisis: The Case of Ireland. *SSRN Electronic Journal* . [[Crossref](#)]
532. Christiaan van der Kwaak, Sweder van Wijnbergen. 2013. Long Term Government Debt, Financial Fragility and Sovereign Default Risk. *SSRN Electronic Journal* . [[Crossref](#)]
533. Niels D. Gilbert, Jeroen Hessel, Silvie Verkaart. 2013. Towards a Stable Monetary Union: What Role for Eurobonds?. *SSRN Electronic Journal* . [[Crossref](#)]
534. Stijn Claessens, M. Ayhan Kose. 2013. Financial Crises: Explanations, Types and Implications. *SSRN Electronic Journal* . [[Crossref](#)]
535. Dionisis Philippas. 2013. Is the EMU Government Bond Market a Playground for Asymmetries?. *SSRN Electronic Journal* . [[Crossref](#)]
536. Jeromin Zettelmeyer, Christoph Trebesch, Mitu Gulati. 2013. The Greek Debt Restructuring: An Autopsy. *SSRN Electronic Journal* . [[Crossref](#)]
537. Alison Johnston, Bob Hancke, Suman Pant. 2013. Comparative Institutional Advantage in the European Sovereign Debt Crisis. *SSRN Electronic Journal* . [[Crossref](#)]
538. Jeffrey A. Frankel. 2013. The Future of the Currency Union. *SSRN Electronic Journal* . [[Crossref](#)]
539. Brigitte Granville. 2013. The Current Eurozone - An Impediment to Critical French Reform. *SSRN Electronic Journal* . [[Crossref](#)]
540. Paulo F. Pereira Alves, Paulo Francisco. 2013. The Impact of Institutional Environment in Firms' Capital Structure During the Recent Financial Crises. *SSRN Electronic Journal* . [[Crossref](#)]
541. Leo de Haan, Jeroen Hessel, Jan Willem van den End. 2013. Are European Sovereign Bonds Fairly Priced? The Role of Modeling Uncertainty. *SSRN Electronic Journal* . [[Crossref](#)]
542. Lee C. Buchheit, Anna Gelpern, G. Mitu Gulati, Ugo Panizza, Beatrice Weder, Jeromin Zettelmeyer. 2013. Revisiting Sovereign Bankruptcy. *SSRN Electronic Journal* 19. . [[Crossref](#)]
543. Giancarlo Corsetti, Keith Kuester, André Meier, Gernot J. Mueller. 2013. Sovereign Risk and Belief-Driven Fluctuations in the Euro Area. *IMF Working Papers* 13:322, 1. [[Crossref](#)]
544. Stijn Claessens, M. Ayhan Kose. 2013. Financial Crises Explanations, Types, and Implications. *IMF Working Papers* 13:28, 1. [[Crossref](#)]

545. Fernando Broner, Aitor Erce, Alberto Martin, Jaume Ventura. 2013. Sovereign Debt Markets in Turbulent Times: Creditor Discrimination and Crowding-Out. *IMF Working Papers* 13:270, 1. [[Crossref](#)]
546. Michael Berleemann. Trust in the European Central Bank Throughout the Worldwide Financial Crisis and the European Debt Crisis 25-48. [[Crossref](#)]
547. Bastien Drut. 2012. Répression financière : une tentation pour « liquider » la dette publique ?. *Revue française d'économie* Volume XXVII:3, 127-143. [[Crossref](#)]
548. Jungsuk Han, James Dow. 2012. Should We Commit to Bailing Out?. *SSRN Electronic Journal* . [[Crossref](#)]
549. Nikolaos Artavanis, Adair Morse, Margarita Tsoutsoura. 2012. Tax Evasion Across Industries: Soft Credit Evidence from Greece. *SSRN Electronic Journal* . [[Crossref](#)]
550. Jeromin Zettelmeyer, Christoph Trebesch, G. Mitu Gulati. 2012. The Greek Debt Exchange: An Autopsy. *SSRN Electronic Journal* . [[Crossref](#)]
551. Jędrzej Paweł Białkowski, Martin T. Bohl, Patrick M. Stephan, Tomasz Piotr Wisniewski. 2011. Is There a Speculative Bubble in the Price of Gold?. *SSRN Electronic Journal* . [[Crossref](#)]
552. Arturo Bris, Yrjö Koskinen, Mattias Nilsson. 2011. The Euro and Corporate Financing. *SSRN Electronic Journal* . [[Crossref](#)]