

# What do we know about the end of monetary unions?

By [Christophe Blot](#) and [Francesco Saraceno](#)

The European elections were marked by low turnouts and increasing support for Eurosceptic parties. These two elements reflect a wave of mistrust vis-à-vis European institutions, which can also be seen in confidence surveys and in the increasingly loud debate about a return to national currencies. The controversy over a country leaving the euro zone or even the breakup of the monetary union itself started with the Greek crisis in 2010. It then grew more strident as the euro zone sank into crisis. The issue of leaving the euro is no longer taboo. If the creation of the euro was unprecedented in monetary history, its collapse would be none the less so. Indeed, an analysis of historical precedents in this field shows that they cannot serve as a point of comparison for the euro zone.

Although there seem to be a number of cases where monetary unions split apart, few are comparable to the European Monetary Union. Between 1865 and 1927, the Latin Monetary Union laid the foundations for closer monetary cooperation among its member states. This monetary arrangement involved a gold standard regime that established a principle of monetary uniformity with a guarantee that the currencies set up by each member state could move freely within the area. Given the absence of a single currency created *ex nihilo* as is the case today with the euro, the dissolution of the Union that occurred in 1927 holds little interest for the current debate. In fact, experts in monetary unions instead characterise this type of experience as “areas of common standards”. A study in 2007 by Andrew Rose (see [here](#)) assesses 69 cases of exits from a currency union since the Second World War, which would indicate that there is nothing unique about the break-up of

the euro zone. However, this sample of countries that have left a currency union cannot really be used to draw meaningful lessons. A large number of these cases involve countries that gained their political independence in the process of decolonization. These were also small developing economies whose macroeconomic and financial situations are very different from those of France or Greece in 2014. The most recent experience was the break-up of the rouble zone, following the collapse of the USSR, and of Yugoslavia, both of which involved economies that were not very open commercially or financially to the rest of the world. In these circumstances, the impact on a country's competitiveness or financial stability of a return to the national currency and any subsequent exchange rate adjustments are not commensurate with what would happen in the case of a return to the franc, the peseta or the lira. The relatively untroubled separation of the Czech Republic and Slovakia in 1993 also involved economies that were not very open. Finally, the experience most like that of the EMU undoubtedly involves the Austro-Hungarian Union, which lasted from 1867 to 1918. It had a common central bank in charge of monetary control but no fiscal union [\[1\]](#), with each State enjoying full budgetary prerogatives except with regard to expenditure on defence and foreign policy. It should be added that this Union as such could not go into debt, as the common budget had to be balanced. While the Union established trade and financial relations with many other countries, it is important to note that its break-up occurred in the very specific context of the First World War. It was thus on the ruins of the Austro-Hungarian Empire that new nations and new currencies were formed.

It must therefore be concluded that monetary history does not tell us much about what happens at the end of a monetary union. Given this, attempts to evaluate a scenario involving an exit from the euro are subject to a level of uncertainty that we would call "radical". While it might be possible to

identify certain positive or negative results of exiting the euro, going beyond this to give specific calculations of the costs and benefits of a break-up comes closer to writing fiction than to robust scientific analysis. As for the positive side, it can always be argued that the effects on competitiveness of a devaluation can be quantified. [Eric Heyer and Bruno Ducoudré](#) have performed such an exercise for a possible fall in the euro. But who can say how much the franc would depreciate in the case of an exit from the euro zone? How would other countries react if France left the euro zone? Would Spain leave too? In which case, how much would the peseta fall in value? The number of these variables and their potential interactions lead to such a multiplicity of scenarios that no economist can foresee the result in good faith, let alone calculate it. The exchange rates between the new European currencies would once again be determined by the markets. This could result in a panic comparable to the currency crisis experienced by the countries in the European Monetary System (EMS) in 1992.

And what about the debt of the private and public agents of the country (or countries) pulling out? The legal experts are divided about what share would be converted by force of law into the new currency (or currencies) and what would remain denominated in euros, which would add to agents' debt burden. So it is likely that an exit would be followed by a proliferation of litigation, with unpredictable outcomes. After the Mexican crisis in 1994, and again during the Asian crisis in 1998, both of which were followed by devaluations, there was an increase in agents' debt, including government debt. Devaluation could therefore increase the problems facing the public finances while also creating difficulties for the banking system, as a significant share of the debt of private agents is held abroad (see [Anne-Laure Delatte](#)). The risk of numerous private defaults could therefore be added to the risk of default on the public debt. How would one measure the magnitude of such impacts? Or the increase in the default

rate? What about the risk that all or part of the banking system might collapse? How would depositors respond to a bank panic? What if they seek to prop up the value of their assets by keeping deposits in euros and opening accounts in countries that they consider safer? A wave of runs on deposits would follow, threatening the very stability of the banking system. It might be argued that, upon regaining autonomy for our monetary policy, the central bank would implement an ultra-expansionary policy, the State would gain some financial leeway, put an end to austerity and protect the banking system and French industry, and capital controls would be re-established in order to avoid a bank run ... But once again, predicting how such a complex process would unfold amounts to astrology ... And if the example of Argentina [\[2\]](#) in late 2001 is cited to argue that it is possible to recover from a currency crisis, the context in which the end of the “currency board” took place there should not be forgotten[\[3\]](#): a deep financial, social and political crisis that does not really have a point of comparison, except perhaps Greece.

In these circumstances, we believe that attempting to assess the cost and benefits of leaving the euro leads to a sterile debate. The only question worth asking concerns the political and economic European project. The creation of the euro was a political choice – as would be its end. We must break with a sclerotic vision of a European debate that opposes proponents of leaving the euro to those who endlessly tout the success of European integration. There are many avenues open for reform, as has been demonstrated by some recent initiatives ([Manifesto for a euro political union](#)) as well as by the contributions collected in issue 134 of the *Revue de l'OFCE* entitled [“Réformer l'Europe”](#). It is urgent that all European institutions (the new European Commission, the European Council, the European Parliament, but also the Eurogroup) take up these questions and rekindle the debate about the European project.

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[1] For a more detailed analysis of comparisons that can be drawn between the European Monetary Union and Austro-Hungary, see Christophe Blot and Fabien Labondance (2013): “Réformer la zone euro: un retour d’expériences”, *Revue du Marché Commun et de l’Union européenne*, no. 566.

[2] Note that Argentina was not in a monetary union but rather under what was called a “currency board”. [See here](#) for a classification and description of various exchange rate regimes.

[3] See Jérôme Sgard (2002): “L’Argentine un an après: de la crise monétaire à la crise financière”, *Lettre du Cepii*, no. 218.

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## **Towards a better governance in the EU?**

By [Catherine Mathieu](#) and [Henri Sterdyniak](#)

The 10th EUROFRAME Conference on economic policy issues in the European Union was held on 24 May 2013 in Warsaw on the topic, “Towards a better governance in the EU?” Revised versions of twelve of the papers presented at the Conference are included in issue 132 of the “Debates and Policies” collection of the *Revue de l’OFCE* entitled “[Towards a better governance in the EU?](#)”. The papers are organized around four themes: fiscal governance, analysis of fiscal policy, bank governance, and macroeconomic issues.

The global financial crisis of 2007 and the sovereign debt crisis in the euro area that began in 2009 have highlighted shortcomings in EU governance. The intense debate that has been going on among economists over how to analyze these shortcomings and proposals for improved governance also marked the EUROFRAME Conference.

How can the Economic and Monetary Union be strengthened between countries that are still fundamentally different? How can we get out of the financial and economic crisis, the sovereign debt crisis, fiscal austerity and depression? Is it possible to develop a governance of the euro area that ensures the strength of the single currency, that avoids widening the disparities between Member States, and that gives the Members the flexibility needed, while forbidding non-cooperative policies, whether that means the excessive pursuit of competitiveness and trade surpluses or the irresponsible swelling of their public or foreign debt?

The articles in this issue provide readers with various viewpoints on possible pathways that Europe could take:

– Some authors think that we should stick to the original Treaty, abolish solidarity mechanisms, prohibit the Central Bank from buying the debt of member countries, and make it compulsory for them to find financing on the financial markets, which, stung by the Greek experience, will now be more vigilant and impose risk premiums on countries they consider lax. But is this compatible with the single currency? Are the markets really competent in macroeconomic matters? And will the euro zone members accept being reduced to the rank of countries without monetary sovereignty, whose public debt is considered risky and who do not control their interest rates?

– Other authors believe that we should gradually move towards a federal Europe, where the European authorities would be responsible for the fiscal policy of each Member State; this would need to be accompanied by a

democratization of EU institutions, perhaps including even some form of political union. But can there be centralized management of countries in different economic circumstances with different economic and social structures, and which thus need differentiated strategies? Isn't the euro zone just too heterogeneous for this? Would every country agree to submit its social and economic choices to European trade-offs?

– Other authors believe that such heterogeneous countries cannot share a single currency; that the Northern countries will refuse to give an unconditional guarantee of public debt, even though this is a prerequisite for maintaining the euro zone's unity; that Europe is incapable of organizing a common but differentiated strategy; and that the differentials accumulated in terms of competitiveness require large exchange rate adjustments in Europe. Exchange rates need to be allowed to reflect the Members' different situations, *i.e.* sharp exchange rate falls in the Southern countries, and sharp rises in the Northern countries, by returning to the European Monetary System, or even to flexible exchange rates. Each country would then have to face up to its responsibilities: the Northern countries will have to boost domestic demand, while the Southern ones will have to use their gains in competitiveness to rebuild their export sectors. But no country is demanding this leap into the unknown – the financial consequences could be terrible.

– Finally, some authors, including ourselves, believe that public debts should once again be risk-free assets, guaranteed by the ECB, as part of a process of genuine coordination of economic policy by the Member States, while explicitly targeting full employment and the coordinated reduction of imbalances in the zone. But isn't such coordination a myth? Is a country going to agree to change its economic policy objectives to help the situation of its partners? Don't the European countries today mistrust each other too much to agree to guarantee the public debt of their

partners?

These are the questions addressed in this issue, which, as the European elections draw near, we hope will make a useful contribution to the debate on EU governance.

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[1] [EUROFRAME](#) is a network of European economic institutes, which includes: the DIW and IFW (Germany), WIFO (Austria), ETLA (Finland), OFCE (France), ESRI (Ireland), PROMETEIA (Italy), CPB (Netherlands), CASE (Poland) and NIESR (United Kingdom).

[2] This issue is published in English.

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# Shocks, unemployment and adjustment – the limits of the European union

By [Christophe Blot](#)

In an article published in 2013 in *Open Economies Review* [\[1\]](#), C. A. E. Goodhart and D. J. Lee compare the mechanisms for recovering from the crisis in the United States and Europe. Based on a comparison of the situation of three states (Arizona, Spain and Latvia) faced with a property crash and recession, the authors explore the reasons for the growing divergence observed among the euro zone countries, a divergence that is not found in the United States. Their analysis is based on the criteria for optimum currency areas,



which enable the members of a monetary union to adjust to adverse shocks and to avoid a lasting difference in their unemployment rates during an economic slowdown or downturn. While Latvia is not formally part of a monetary union [\[2\]](#), its currency nevertheless has remained firmly anchored to the euro during the crisis. Thus none of the countries studied by Goodhart and Lee resorted to a nominal devaluation to absorb the financial and real shocks that they faced. The authors conclude that while Arizona dealt with the shocks better than Spain, this was due both to the greater fiscal solidarity that exists between the states of the United States and to the greater integration of the US banking system, which helps to absorb shocks specific to each state.

In addition to *de jure* or *de facto* membership in a monetary union, Arizona, Spain and Latvia also all went through a real estate boom in the 2000s, followed by a correction that began in 2006 in Arizona and Latvia, and a year later in Spain (Figure 1). The real estate crisis was accompanied by a recession, with the same time lag persisting between Spain and the other two states. Latvia recorded the sharpest downturn in activity (-21% between 2007 and 2010). However, the downturns experienced by Arizona (-5.5% since 2007) and Spain (5% since 2008) were comparable. While the downward adjustment of the property market stopped in Arizona (recovery is underway in the US state), the recession is continuing in Spain. Overall, this difference in adjustment is reflected in a continuing increase in unemployment in Spain, whereas it has fallen by 2.8 percentage points in Arizona from the peak in the first quarter of 2010 (Figure 2).

Spain's inability to pull out of the recession along with the increasing divergence of the economies in the euro zone raises the question of the capacity of the euro zone countries to adjust to a negative shock. The theory of optimum currency areas, originally developed by Mundell in 1961 [\[3\]](#), can help to evaluate the conditions in which a country may have an

interest in joining a monetary union. The optimality of this choice depends on the country's ability to absorb shocks without resorting to currency devaluation. Different adjustment mechanisms are involved. These consist mainly of the following: [4] the flexibility of prices and in particular of wages; labour mobility; the existence of fiscal transfers between the countries in the monetary union; and financial integration. Price flexibility corresponds to an internal devaluation mechanism. As for depreciation, the point is to become more competitive – by lowering relative labour costs – to stimulate exports and growth during a negative shock. However, this type of adjustment generally takes much longer and is more costly, as is suggested by the recent examples of Iceland and Ireland. [5] Labour mobility makes for an adjustment whenever the recession leads people to migrate from a state with high unemployment to one where it is lower. The implementation of fiscal transfers occurs when various mechanisms in states where growth is slowing make it possible to benefit from stabilizing transfers from other states in the union or from a higher level of government. Finally, Goodhart and Lee also consider the stabilizing role of the local banking system. In this case, in the euro zone, the less the local banking system has been weakened by the real estate crisis or the public debt crisis, the greater is its capacity to absorb the shock.

The authors analyzed the adjustment of the economies in question in the light of these four criteria. They studied in particular the degree of price flexibility and labour mobility as a function of unemployment in the three states. Then they evaluated the importance of fiscal transfers and the architecture of the banking landscape. Their findings were as follows:

1. Price flexibility has played only a marginal role in adjustment, except in Latvia where rising unemployment has led to a decline in unit labor costs. These costs

did not on the other hand react significantly to the rise in unemployment in Spain and Arizona.

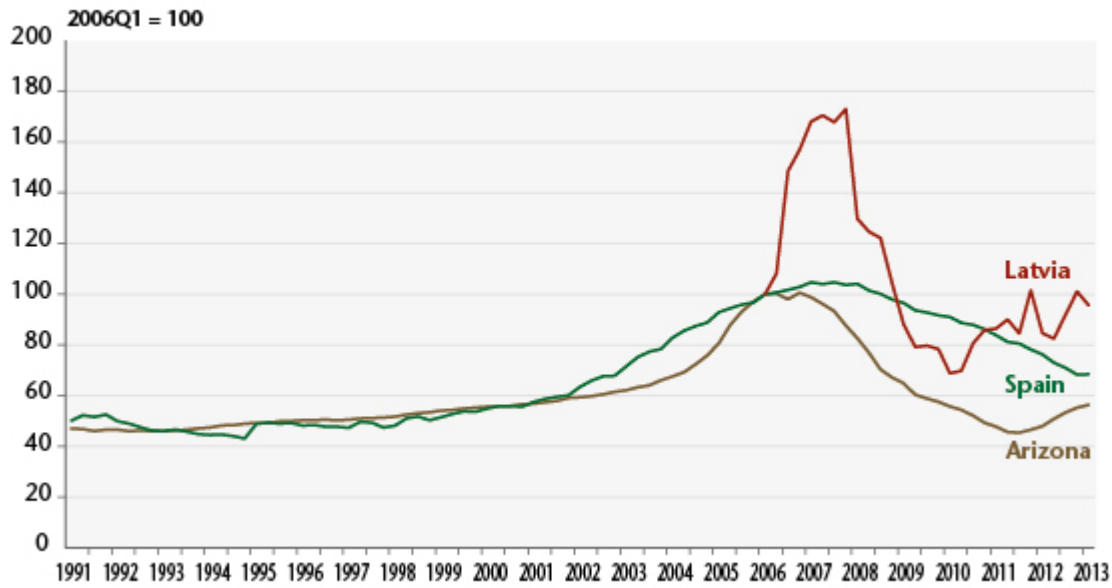
2. Though migration is more marked in the United States than in Europe, the differences are still not able to explain the gap in the adjustment of unemployment rates. However, it appears that the role of migration as an adjustment mechanism has strengthened in Europe. Nevertheless, this is still insufficient to ensure the convergence of unemployment rates.
3. In 2009 and 2010, Arizona received substantial transfers from the federal government, whereas at the European level there is no automatic mechanism for transfers between states. Even so, Latvia received assistance from the IMF in 2009, while the euro zone countries came to the aid of Spain's banks. Nevertheless, in the absence of a more substantial EU budget, the European countries can benefit only from emergency assistance, which, while able to meet a specific need for funds, is not sufficient to play the role of an economic stabilizer.
4. Finally, the authors emphasize that the financial amplification of the shocks was on a lesser scale in Arizona in so far as the bulk of the banking business is conducted by national banks that are consequently less sensitive to local macroeconomic and financial conditions. The risk of credit rationing is thus lessened, which helps to better absorb the initial shock. In Spain, with the exception of a few banks with international operations, which enables them to diversify their risks, banking depends on local banks, which are therefore more vulnerable. This increased fragility pushes the banks to restrict access to credit, which reinforces the initial shock. Latvia is in an alternative position in that its financial activity is carried out mainly by foreign banks. The nature of risk thus differs, because local financial activity is disconnected from Latvia's macroeconomic situation and depends instead on the situation in the country where

these banks conduct their principal activity (*i.e.* Sweden, to a great extent).

The crisis in the euro zone thus has an institutional dimension. From the moment the countries freely consented to surrender their monetary sovereignty, they in effect also abandoned the use of a currency devaluation to cushion recessions. However, it is essential that alternative adjustment mechanisms are operative in order to ensure the “sustainability” of monetary unification. In this respect, the article written by Goodhart and Lee is a reminder that such mechanisms are still lacking in the euro zone. Negotiations over the EU budget have not offered any prospect for the implementation of fiscal transfers to stabilize shocks at the European level. The discussion on Eurobonds has stalled. Although the European Stability Mechanism (ESM) acts as a tool for solidarity between Member States, it meets a different need, because it involves only emergency financial assistance and is not a mechanism for automatic stabilization. Banking integration could also help dampen fluctuations. However, the crisis has led to greater fragmentation of European banking markets. The latest report on financial integration in Europe, published by the ECB, shows a 30% decrease in cross-border bank flows in the recent period. Similarly, despite the common monetary policy, the interest rates charged by European banks have recently diverged [\[6\]](#) (Figure 3). Thus, despite the European banking passport created by the European Directive of 15 December 1989 on the mutual recognition of authorizations of credit institutions, cross-border banking in Europe is still relatively undeveloped. The retail banking model is based on the existence of long-term relationships between the bank and its clients, which undoubtedly explains why the integration process is taking much longer than for the stocks, bonds and currency markets. It is nevertheless still the case that a banking union could be a further step in this difficult process of integration. This would promote the development of transnational activity, which would also help to de-link the

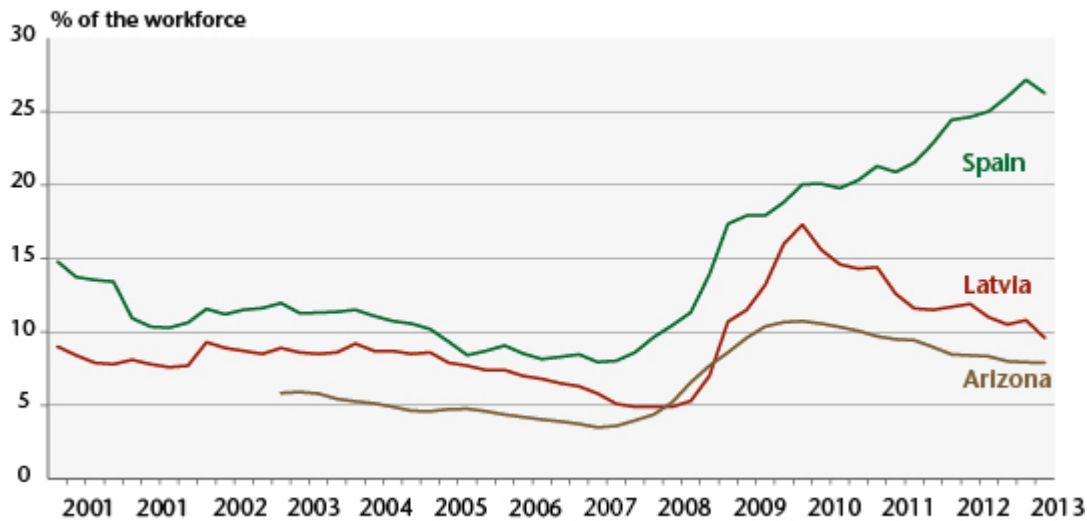
problem of bank solvency and liquidity from the problem of financing the public debt.

**Figure 1 : Changes in real estate prices in real terms**



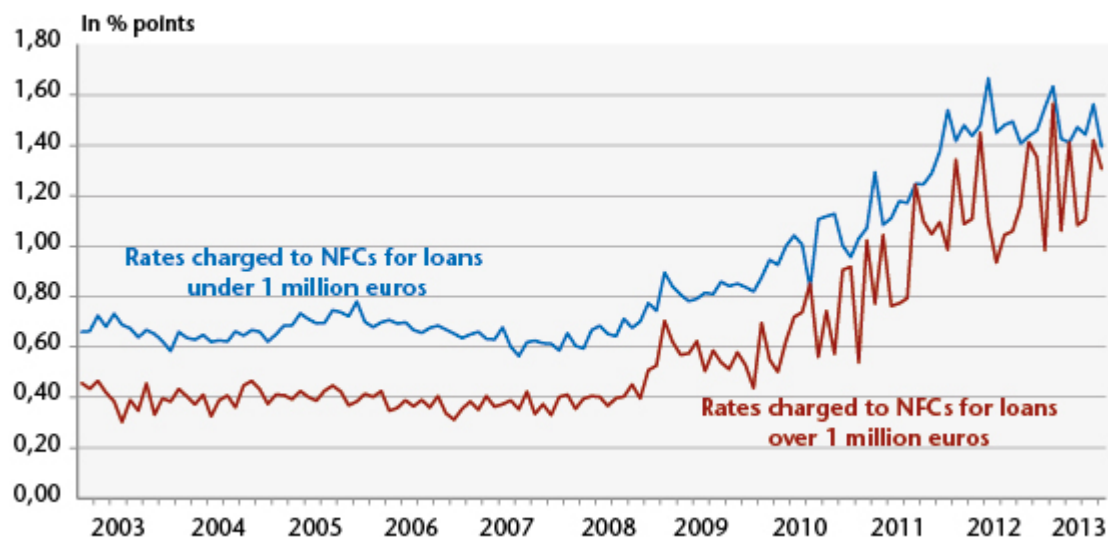
Source : Bank of International Settlements, Federal Housing Finance Agency.

**Figure 2 : Unemployment rates**



Sources : Bureau of Labor Statistics, Instituto Nacional de Estadísticas, Agence nationale pour l'emploi (Latvia).

Figure 3 : Dispersion of rates charged by banks in the euro zone



Source : European Central Bank. NFC = Non-financial corporation.

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[1] “Adjustment mechanisms in a currency area”, *Open Economies Review*, January 2013. A preliminary version of this article can be downloaded at: <http://www.lse.ac.uk/fmg/workingPapers/specialPapers/PDF/SP212.pdf>

[2] Latvia has been part of the European currency mechanism since 2005 and is to adopt the euro on 1 January 2014.

[3] “A theory of optimum currency areas”, *American Economic Review*, vol. 51, 1961.

[4] One could also add the level of an economy’s openness or the degree of diversification of production. Mongelli (2002) offers a detailed review of these various criteria. See: [“New views on the optimum currency area theory: what is EMU telling us?”](#), *ECB Working Paper*, no. 138.

[5] See [Blot and Antonin \(2013\)](#) for a comparative analysis of the cases of Ireland and Iceland.

[6] C. Blot and F. Labondance (2013) offer an analysis of the transmission of currency policy to the rates charged by the banks to non-financial companies ([see here](#)) and to real estate

loans ([see here](#)).

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# Would returning to the drachma be an overwhelming tragedy?

by [Céline Antonin](#)

Following the vote in the Greek parliamentary elections on 17 June 2012, the spectre of the country leaving the euro zone has been brushed aside, at least for a while. However, the idea is not completely buried, and it is still being evoked in Greece and by various political forces around the euro zone. This continues to pose the question of the cost of a total default by Greece for its creditors, foremost among them France. The analysis published in the latest [OFCE Note \(No. 20, 19 June 2012\)](#) shows that, despite the magnitude of the potential losses, several factors could mitigate the consequences for the euro zone countries of a default by the Greek state.

The withdrawal of Greece from the euro zone, which is not covered in the Treaties, would cause a major legal headache, as it would involve managing the country's removal from the Eurosystem [\[1\]](#). In case of a return to a new drachma, which would depreciate sharply against the euro [\[2\]](#), the burden of the public debt still outstanding would be greatly increased, as would private debt, which would still be denominated in euros. Many financial and nonfinancial firms would go to the wall. Legally, Greece could not unilaterally convert its debt into new drachmas. Since the country's public debt is not very sustainable and it is denominated almost exclusively in euros,

Greece would certainly default (at least partially) on its public debt, including its foreign debt [\[3\]](#). Given that the main holders of Greek debt are euro zone countries, what would be the magnitude of the shock in the case of a Greek default?

While more detail about this can be found in the [OFCE Note \(No. 20, 19 June 2012\)](#), the focus here is on providing a breakdown of the exposure of the euro zone countries (in particular France) to Greek public and private debt. Exposure to Greek public debt involves three main channels:

- 1) The two aid packages of May 2010 and March 2012;
- 2) Participation in the Eurosystem;
- 3) The exposure of the commercial banks.

An analysis of these channels shows that the main source of exposure of the euro zone countries to losses is the two support plans. The maximum exposure of the euro zone countries through this channel is 160 billion euros (46 billion euros for Germany and 35 billion euros for France). Euro zone countries are also exposed to Greek government debt through their participation in the Eurosystem: indeed, the Eurosystem's balance sheet swelled dramatically to support the vulnerable countries in the euro zone, notably Greece. However, given the Eurosystem's capacity to absorb losses (over 3,000 billion euros), we believe that the potential losses for the countries of the euro zone are not likely to be realized if Greece were to default unilaterally on its public debt. Finally, the euro zone's banking system is exposed to 4.5 billion euros in Greek sovereign risk and up to 45 billion euros from the Greek private sector [\[4\]](#).

The cumulative exposure of the euro zone to Greek debt, excluding the Eurosystem, amounts to a maximum of 199 billion euros (2.3% of the euro zone's GDP, cf. Table), including 52 billion euros for Germany (2% of GDP) and 65 billion euros for France (3.3% of GDP). If we include exposure to the



Eurosystem, the cumulative exposure of the euro zone to Greek debt comes to 342 billion euros (4% of euro zone GDP), including 92 billion for Germany (3.6% of GDP) and 95 billion (4.8%) for France. France is the most heavily exposed euro zone country, due to the exposure of its banks to Greek private debt through subsidiaries in Greece. If we consider only Greek government debt, however, it is Germany that appears to be the country most exposed to a Greek default.

### Summary of the exposure of different countries to Greek debt

In billion euros

	1) Support plans		2) Eurosystem		3) Commercial banks		Total	Total excl. Eurosystem
	1st plan	2e plan	SMP	TARGET2	Public debt	Private debt		
Germany	14.7	31.4	12.5	27.3	1.3	5.1	92.3	52.5
Austria	1.5	3.2	1.3	2.8	NC*	NC*	8.8	4.7
Belgium	1.9	4.0	1.6	3.5	0.1	0.0	11.1	6.0
Cyprus	0.1	0.2	0.1	0.2	NC	NC	0.6	0.3
Spain	6.5	13.8	5.5	12.0	0.1	0.5	38.4	20.9
Estonia	0.0	0.3	0.1	0.3	NC	NC	0.7	0.3
Finland	1.0	2.1	0.8	1.8	NC	NC	5.7	3.1
France	11.1	23.6	9.4	20.5	1.3	29.1	95.0	65.1
Ireland	0.9	0.0	0.7	1.6	NC	NC	3.2	0.9
Italy	9.7	20.7	8.3	18.0	0.2	1.1	58.0	31.7
Luxembourg	0.1	0.3	0.1	0.3	NC	NC	0.8	0.4
Malta	0.1	0.1	0.0	0.1	NC	NC	0.3	0.2
Netherlands	3.1	6.6	2.6	5.7	NC	NC	18.0	9.7
Portugal	1.4	0.0	1.2	2.5	NC	NC	5.1	1.4
Slovakia	0.5	1.1	0.5	1.0	NC	NC	3.1	1.6
Slovenia	0.3	0.6	0.2	0.5	NC	NC	1,6	0.9
<b>Total EZ</b>	<b>52.9</b>	<b>107.7</b>	<b>45.0</b>	<b>98.0</b>	<b>2.9</b>	<b>35.8</b>	<b>342.3</b>	<b>199.3</b>

[NC => NA]

NA: Not available, as the BIS gives only the exposures of Germany, Belgium, France, Italy and Spain. The totals are thus calculated without taking into account the second tier banks, except for Germany, Belgium, France, Italy and Spain and the Euro Zone Total.

Sources: "The Economic Adjustment Programme for Greece – First review summer 2010", ECB, EFSF, BIS *Quarterly Review* (June 2012), Bank of Greece, author's calculations.

These amounts constitute an upper bound: they represent the maximum potential losses in the worst case scenario, namely the complete default of Greece on its public and private debt. Furthermore, it is impossible to predict with certainty all the chain reactions associated with a Greek exit from the euro

zone: everything depends on whether the exit is coordinated or not, whether a debt rescheduling plan is implemented, the magnitude of the depreciation of the drachma against the euro, and so on.

The "reassuring" element in this analysis is the magnitude of the potential losses (Table): the shock of a Greek exit would be absorbable, even if it would generate a shock on each member country and widen its deficit, undermining the members' efforts to restore balanced budgets. However, this analysis also points out how intertwined the economies of the euro zone are, even if only through the monetary union, not to mention the mechanisms of the solidarity budget. A Greek exit from the euro zone could therefore open a Pandora's Box – and if other countries were tempted to imitate the Greek example, it is the euro zone as a whole that could go under.

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[1] The Eurosystem is the European institution that groups the European Central Bank and the central banks of the countries in the euro zone.

[2] On this point, see [A. Delatte, What risks face the Greeks if they return to the drachma?, OFCE blog, 11 June 2012.](#)

[3] The foreign debt designates all the [debt](#) that is owed by all a country's public and private debtors to foreign lenders.

[4] This refers to a textbook case, where the drachma's depreciation would be so great that the currency would no longer be worth anything.