

The secular stagnation equilibrium

By [Gilles Le Garrec](#) et [Vincent Touzé](#)

The economic state of slow growth and underemployment, coupled with low inflation or even deflation, has recently been widely discussed, in particular by [Larry Summers](#), under the label of “secular stagnation”. The hypothesis of secular stagnation was expressed for the first time in 1938 in a speech by A. Hansen, which was finally [published in 1939](#). Hansen was worried about insufficient investment and a declining population in the United States, following a long period of strong economic and demographic growth.

In a [Note by the OFCE \(no. 57 dated 26 January 2016 \[in French\]\)](#), we studied the characteristics and dynamics of a secular stagnation equilibrium.

A state of secular stagnation results when an abundance of savings relative to demand for credit pushes the “natural” real interest rate (what is compatible with full employment) below zero. But if the real interest rate permanently remains above the natural rate, then the result is a chronic shortage of aggregate demand and investment, with a weakened growth potential.

To counter secular stagnation, the monetary authorities first reduced their policy rates, and then, having reached the zero lower bound (ZLB), they implemented non-conventional policies called quantitative easing. The central banks cannot really force interest rates to be very negative, otherwise private agents would have an interest in keeping their savings in the form of banknotes. Beyond quantitative easing, what other policies might potentially help pull the economy out of secular stagnation?

To answer this crucial question, the model developed by [Eggertsson and Mehrotra](#) in 2014 has the great merit of clarifying the mechanisms behind a fall into long-term stagnation, and it is helping macroeconomic analysis to update its understanding of the multiplicity of equilibria and the persistence of the crisis. Their model is based on the consumption and savings behaviour of agents with a finite lifespan in a context of a rationed credit market and nominal wage rigidity. As for the monetary policy conducted by the central bank, this is set at a nominal rate using a [Taylor rule](#).

According to this approach, secular stagnation was initiated by the 2008 economic and financial crisis. This crisis was linked to high household debt, which ultimately led to credit rationing. In this context, credit rationing leads to a fall in demand and excess savings. Consequently, the real interest rate falls. In a situation of full employment, if credit tightens sharply, the equilibrium interest rate becomes negative, which leaves conventional monetary policy toothless. In this case, the economy plunges into a lasting state of underemployment of labour, characterised by output that is below potential and by deflation.

In the model proposed by Eggertsson and Mehrotra, there is no capital accumulation. As a result, the underlying dynamic is characterized by adjustments without transition from one steady state to another (from full employment to secular stagnation if there's a credit crisis, and vice versa if credit doesn't tighten much).

To extend the analysis, we considered the accumulation of physical capital as a prerequisite to any productive activity ([Le Garrec and Touzé, 2015](#)). This highlights an asymmetry in the dynamics of secular stagnation. If the credit constraint is loosened, then capital converges on its pre-crisis level. However, exiting the crisis takes longer than entering it. This property suggests that economic policies used to fight

against secular stagnation must be undertaken as soon as possible.

There are a number of lessons offered by this approach:

- To avoid the ZLB, there is an urgent need to create inflation while avoiding speculative asset “bubbles”, which could require special regulation. The existence of a deflationary equilibrium thus raises the question of the appropriateness of monetary policy rules that are overly focused on inflation.
 - One should be wary of the deflationary effects of policies to boost potential output. The right policy mix is to support structural policies with a sufficiently accommodative monetary policy.
 - Cutting savings to raise the real interest rate (e.g. by facilitating debt) is an interesting possibility, but the negative impact on potential GDP should not be overlooked. There is a clear trade-off between exiting secular stagnation and depressing potential GDP. One interesting solution could be to finance infrastructure, education or R&D (higher productivity) through government borrowing (raising the real equilibrium interest rate). Indeed, an aggressive investment policy (public or private) funded so as to push up the natural interest rate can meet a dual objective: to support aggregate demand and to develop the productive potential.
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How do French people look at equality of opportunity?

By Michel Forsé (CNRS) and [Maxime Parodi](#)

Do the French people believe in equal opportunity? The Dynegal survey asked the question in 2013 to a representative sample of 4,000 individuals, whose responses were very mixed. In a [recent article in the *Revue de l'OFCE* \(no. 146, 2016 \[in French\]\)](#), we show that it is the middle classes who prove to be a little more convinced than others by the idea that schooling gives everyone a chance and that one's success in life does not depend on social origin. This result is in line with the thesis by Simmel that makes the middle-class the site of social mobility.

The survey also raises questions about the link between the belief in equal opportunity and social expectations in terms of recognition of merit and equality of results. As might be expected, the less one believes in equality of opportunity, the less one defends the recognition of merit, and the greater the demand for equality of results. On the other hand, French people who are perfectly convinced that everyone has the same chance of success defend not only the recognition of merit, but also equality of place. This unexpected result highlights, in fact, a risk inherent in a society that is conceived of as totally meritocratic: the risk of completely discrediting the losers and of not finding them a place in society.

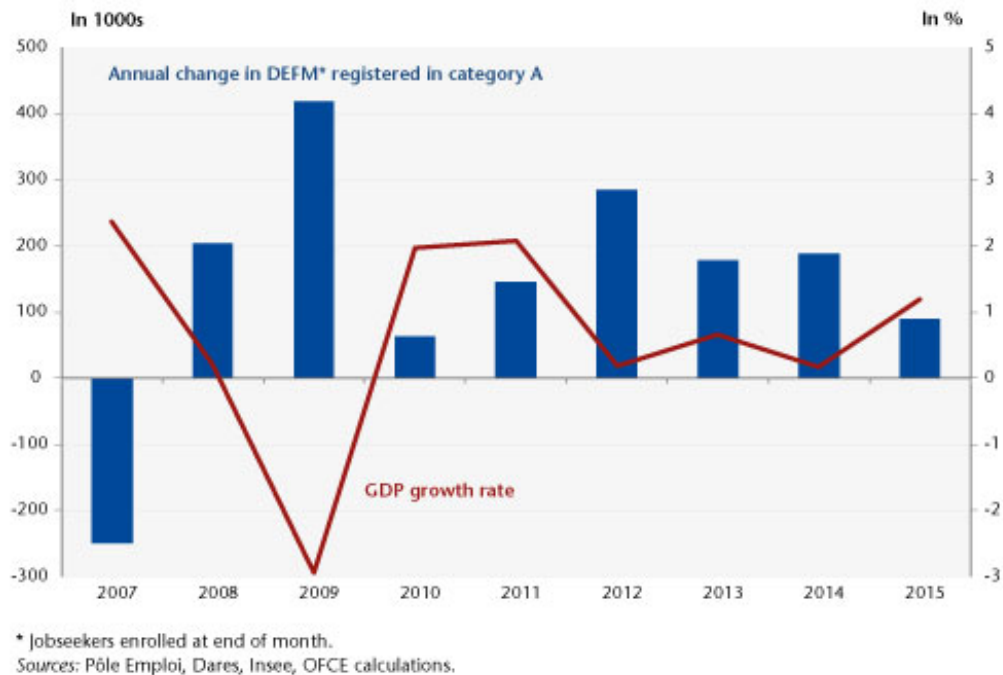
2015: An eighth year of rising unemployment in France

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Since June 2015, the number of job seekers at the end of the month (the number of “DEFM”, in French) in Category A registered with Pôle Emploi has swung from month to month, rising and falling. This high volatility, which reflects a sluggish labour market in which there is insufficient job creation to make a long-term reduction in unemployment, is directly related to the sluggish growth in the French economy overall. So after a relatively favourable November 2015 (15,000 DEFM fewer in category A), December once again saw an increase in the number of unemployed (+15,800), offsetting the previous month's fall. In addition, for the first time since May 2015, all age groups experienced an increase in the number of category A DEFM in December.

Ultimately, the number of jobseekers registered in category A with the Pôle Emploi job center increased for the eighth consecutive year in metropolitan France. With the return of higher growth, this increase has nevertheless been less than in previous years: +90,000 in 2015, versus +200,000 on average between 2011 and 2014. The increase has massively affected job seekers aged 50 and over (+69,000 in 2015), while the numbers under age 25 were down (22,000 fewer in 2015).

Annual change in the number of jobseekers registered in category A and annual GDP growth



The implementation of successive pension reforms (2003, 2010), coupled with the elimination of exemptions on job-seeking by seniors, has led to a longer duration of economic activity and to putting off the age of retirement. In a context of weak growth, the rise in the employment rate for seniors has been insufficient to absorb the increase in the workforce for that age group, with a consequent increase in unemployment of those over age 50.

The decreasing number of unemployed young people is due to two main factors. First, the employment policies enacted since 2013 have targeted youth in particular through the Jobs of the future (*emplois d'avenir*) programme. Second, the low job creation in the market sector is mainly taking the form of temporary jobs (fixed-term CDD contracts, temping), a type of employment in which young people are heavily represented (34.2% of young people in employment are on CDD contracts or temping versus 8.4% for other age groups). This development can be compared to the observed increase in categories B and C (+170,000 in 2015 against 97,000 on average between 2011 and 2014). Thus, while some return to work has been observed, this has not resulted in exits from unemployment as measured by the

job center, and has not led to halting the continuing rise in the number of long-term unemployed (+9.5% in a year).

The year 2015 therefore did not see a reversal in the unemployment curve. Recall that it takes a GDP growth rate of over 1.4% to create enough jobs to begin to roll back unemployment, and only an extended return to growth over that threshold would be sufficient to lead to a sustained drop in the number of category A jobseekers enrolled in the job center.