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## Article

# The European Youth Guarantee: A Preliminary Assessment and Broader Conceptual Implications

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# The European Youth Guarantee: A Preliminary Assessment and Broader Conceptual Implications



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### INTRODUCTION

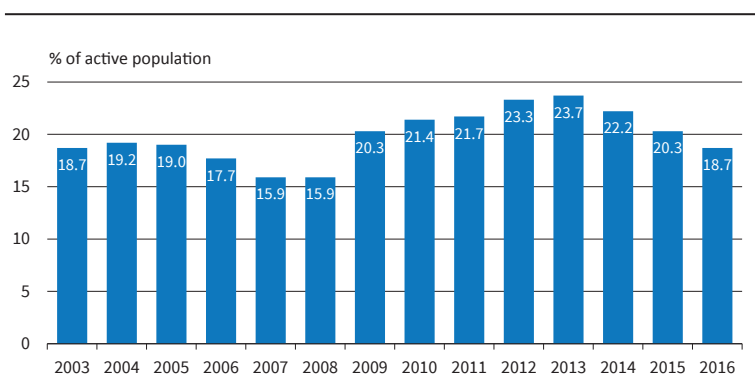
The Great Recession of 2008/09 increased the urgency of many labour-market related policy issues at a global, European and national level. Among these issues, youth unemployment is typically rated high, mainly because of its potentially long-lasting impacts and scarring effects on young individuals that could ultimately result in a 'lost generation' incapable of catching up later in life (Cahuc *et al.* 2013; Schmitten and Umkehrer 2013). Figure 1 shows that in the European Union, youth unemployment peaked around 2013, declining since then, but is still above pre-crisis levels now. The depicted share of 23.7 percent implies that more than 5.5 million youth were unemployed in that year.<sup>1</sup> At the same time, nearly 14 million young people were neither in employment, education or training – the so-called NEETs (Andor 2016).

Against this background, a number of EU initiatives were launched since 2010, among which the *European Youth Guarantee*, proposed in December 2012, is the most prominent measure.<sup>2</sup> But also other related measures such as *Youth on the Move* in 2010 and the Youth Employment Initiative in 2013 (with a budget of 6.4 billion euros) are important elements of what may be labelled as a EU 'action plan' to decrease youth unemployment or, more precisely, to reduce the number of NEETs.

<sup>1</sup> Throughout this paper, we use the United Nations' youth definition of persons aged 15 to 24 years (see e.g. O'Higgins (1997) for a discussion).

<sup>2</sup> See Andor (2016) for an overview about important EU initiatives since 2010.

Figure 1  
Youth Unemployment Rate in EU28, 2003–2016



Source: Eurostat.

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The *European Youth Guarantee* can be viewed as an EU-wide framework comprising a system of measures to be taken by each Member State, which were, for example, encouraged to also use demand-side initiatives such as hiring subsidies (Andor 2016). More generally, the *European Youth Guarantee* is "a commitment by all Member States to ensure that all young people under the age of 25 years receive a good quality offer of employment, continued education, apprenticeship or traineeship within a period of four months of becoming unemployed or leaving formal education" (European Commission 2017).<sup>3</sup> In this context, best practices in the context of school-to-work transitions should be transferred from well-performing countries such as Austria and Finland to all Member States (Andor 2016).

Past examples of youth guarantees in Scandinavian countries show that these policy measures, if successfully implemented, usually involve not only adjustments of active labour market policies (ALMPs), but typically also require broader structural reforms of vocational education and training systems, general education systems and public employment services.<sup>4</sup> Accordingly, the estimated costs associated with the *European Youth Guarantee* are very substantial and amount to approximately 45 billion euros for the entire European Union (Escudero and López Mourelo 2015).

Whether this substantial investment is worth spending, depends of course on how effective the *European Youth Guarantee* is in reaching its goals. In this context, it is important to note that its aim was indeed not to eliminate youth unemployment, but rather to reduce the incidence of longer unemployment spells among vulnerable young individuals at a very early stage of their professional career (Andor 2016).

### A PRELIMINARY ASSESSMENT OF THE EUROPEAN YOUTH GUARANTEE

Being officially launched in April 2013, 14 million young people have entered the various schemes under the umbrella of the *European Youth Guarantee* between January 2014 and October 2016, which means that on average 2 million young people were registered at any given point in time (European Commission 2016). However, these relatively impressive figures on the number of participants are not very informative about the actual effectiveness of the program.

Also the development of youth unemployment alone may not be very helpful for assessing its effectiveness. In fact, even if the

<sup>3</sup> 13 Member States extended coverage to people under the age of 30 years, instead of 25 years as set out in the Council Recommendation – see European Commission (2016).

<sup>4</sup> Sweden, Norway, Denmark and Finland implemented youth guarantees in the 1980s and 1990s – see e.g. Escudero and López Mourelo (2015) for more details.

*European Youth Guarantee* had been very successful, youth unemployment could have initially risen as (previously inactive) NEETs were activated and, as a first step, registered as unemployed (Andor 2016). However, the available evidence suggests that the *European Youth Guarantee* has so far been primarily successful in supporting unemployed NEETs rather than in bringing inactive NEETs back into employment, education and training (European Commission 2016). As a result, EU-wide youth unemployment has indeed dropped by 5 percentage points between 2013 and 2016 (see Figure 1). Still, the question remains whether and how much of this drop in youth unemployment has been caused by the implementation of the *European Youth Guarantee* or whether a similar decrease would have also occurred in its absence (i.e. the decrease has been due to a more favourable economic situation with increasing labour demand and not due to the policy change). As the *European Youth Guarantee* cannot substitute a favorable economic environment (Andor 2016), its impacts should be assessed against the background of given macroeconomic conditions.

Accordingly, comparing the development of youth unemployment to the evolution of adult unemployment may be more informative for assessing the effectiveness of the *European Youth Guarantee*. This comparison may give at least a first indication of its causal effects as the two age groups were similarly affected by the Great Recession. When calculating the youth-to-adult unemployment ratio, it can be shown that this ratio was practically constant in the European Union between 2000 and 2012 (Cahuc *et al.* 2013). Figure 2 confirms this and additionally shows that this ratio has also remained rather constant since the implementation of the *European Youth Guarantee* – not only on average in the entire European Union, but also in many Member States. Hence, the decrease in youth unemployment since 2013 has been roughly proportional to the corresponding drop in adult unemployment during the same period. In other words, the analysis of the youth-to-adult unemployment ratio does not broadly confirm the statement that the decrease in youth unemployment since 2013 has been stronger than the correspon-

ding drop in adult unemployment (see e.g. European Commission 2016, which includes such a statement). One exception is the Netherlands, where the youth-to-adult unemployment ratio has indeed dropped markedly since 2013.<sup>5</sup>

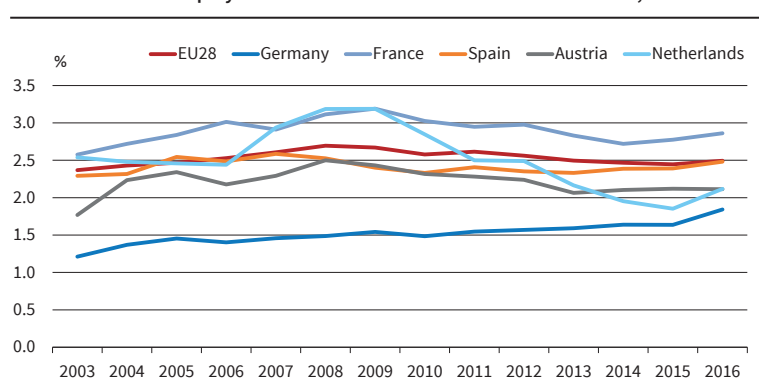
Pastore (2015) argues along similar lines. Although his assessment is mainly based on a case study for Italy, he concludes that many Member States, especially in Southern Europe, were not very well-prepared for successfully implementing the rather ambitious elements of the *European Youth Guarantee*. Its effectiveness, however, crucially depends on a successful implementation as a first step. One could even argue that those countries that needed effective policies to reduce youth unemployment and NEET rates were exactly those countries where the institutional capacities to deliver such policies were least developed. Successful examples of early youth guarantees in Austria or Scandinavia benefitted from a highly elaborated public employment service and, all in all, more limited youth unemployment.

The challenges encountered when it came to the implementation of the *European Youth Guarantee* and the Youth Employment Initiative were analysed more in-depth in a recent report by the European Court of Auditors (2017). While acknowledging the progress made in the EU Member States studied with respect to policy focus and the design of youth-oriented schemes, the main expectations of the *European Youth Guarantee* could not be met so far. One issue concerns the budget restrictions in countries and regions with large NEET populations; a second major obstacle concerns the limited outreach of responsible public employment service agencies as shown by only partial registration of the NEET group. Hence, it was not possible to deliver good quality offers to all young people in the target group and improve the employment situation of those concerned (see also Dhéret and Roden 2016).

Andor (2016) concludes that the *European Youth Guarantee* “provides a very good framework for seriously addressing the youth employment challenge”. He adds that long-term term efforts are required, which implies that a similar perspective should be taken

when evaluating its impacts. An important problem that arose during its implementation is the need for an adequate capacity of public employment services. Accordingly, Andor (2016) views the *European Youth Guarantee* as a longer-term structural reform aimed at fundamentally improving the school-to-work transition process. It is thus not primarily a crisis-related measure but rather a measure for “repairing the pre-crisis

Figure 2  
Youth-to-adult Unemployment Ratio in EU28 and Select Member States, 2003–2016



Source: Eurostat.

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<sup>5</sup> Note that the youth-to-adult unemployment ratio in the Netherlands started to drop already around 2009.

sis models of labor markets and education” (Andor 2016).

### BROADER CONCEPTUAL IMPLICATIONS

Conceptually, the *European Youth Guarantee* is a labour market policy aimed at activating young individuals and at facilitating their school-to-work transitions.

#### School-to-work Transitions

Vocational education and training are core factors in smoothing school-to-work transitions.<sup>6</sup> In this context, the quality of the education system is very important in ensuring that the skills provided match the needs of the labour market, and thus in avoiding educational mismatch. Existing studies on the relative effectiveness of different types of vocational training on the labour market outcomes of participants, mostly referring to high-income countries, are summarised in Zimmermann *et al.* (2013) and Eichhorst *et al.* (2015). Accordingly, cross-country studies typically find a comparative advantage in countries with a dual apprenticeship system (e.g. Quintini and Manfredi 2009), although this relationship is not necessary causal. Country-specific studies also identify a relative advantage of dual apprenticeship training, in particular with respect to early labour market outcomes, as this initial advantage fades over time (e.g. Winkelmann 1996; Plug and Groot 1998; Bonnal *et al.* 2002; Parey 2009).

It thus appears that dual apprenticeship systems are relatively effective in smoothing school-to-work transitions of young individuals. Youth completing school-based vocational education and training do as well as (and sometimes better than) if they had instead remained in purely academic studies (Eichhorst *et al.* 2015). This is particularly the case when the occupation of the training matches the future career path. Rigorous studies evaluating the effectiveness of vocational education and training show that vocational training makes the transition to gainful employment easier and may improve wage and employment outcomes, in particular for low-ability youths and those working in low-skill jobs (Eichhorst *et al.* 2015). In several settings, an extension or prolongation of the academic schooling for these youth does not result in additional gains in terms of labour market entry but instead may entail an increased risk of dropout.

Comparing across types of vocational education and training, the dual system, which is very prominent in a number of continental European countries including Germany, is more effective than alternative academic or training education at helping youth transition into employment, though no wage differences are observed. Hence, it seems fair to say that vocational training elements generate some added value both to employers providing training and to the trainees, and

they facilitate the timely entry into more stable and better-paid jobs at the beginning of the working life.

Yet, given that economic and institutional conditions are highly diverse across industrialised countries, when it comes to promoting vocational education and training, policymakers need to take into account the resources available and to build on them. The ideal type of a dual vocational education and training model relies on the support of important societal groups that are involved, namely employers, young people and their families, trade unions, and the government. Hence, while Germany’s dual system may serve as a role model for other countries (see e.g. Eichhorst *et al.* 2015; Zimmermann *et al.* 2013), it is generally not advisable to simply copy the German model. Establishing a dual vocational training model is a demanding task that requires a longer-term perspective. Structural reforms to revive the economy and reduce entry barriers to employment are also needed, in particular a model of employment protection legislation that allows for a smoother transition from entry level jobs, also fixed-term contracts, to permanent positions. Since most countries already have some form of vocational training programme, they could start with existing elements to bring vocational education and training closer to employer and labour market needs. Starting from regional and sectoral clusters of firms sharing the demand for similar skills could be a good starting point, and in countries with high shares of graduates, a closer link between higher education and practical experiences could help.

#### Activation Strategies

Activation strategies are rather imprecisely defined, but they usually comprise a relatively broad range of active labour market policy schemes (and are often combined with passive labour market policies, e.g. ‘benefit conditionality’). While it is clearly the case that ‘activation’ constitutes an important element of the *European Youth Guarantee*, its actual impacts and effects in this specific context are yet to be determined. However, one can nevertheless assess potential and actual effects of various strategies based on currently available evaluation studies.<sup>7</sup>

For example, Zimmermann *et al.* (2013) give an overview of the available empirical evidence which is in turn based on summaries included in different studies (e.g. Card *et al.* 2010; Martin and Grubb 2001; Quintini *et al.* 2007). However, the programme effects that are discussed in these studies may not necessarily reflect the specific effects for the group of young individuals. In this context, Card *et al.* (2010) and, more recently, Card *et al.* (2015) and Kluve *et al.* (2016) note that most active labour market policy schemes that are specifically targeted at young unemployed individuals appear to be less effective than broader schemes targeted at the

<sup>6</sup> This section draws on earlier work of the authors, in particular Eichhorst and Rinne (2016).

<sup>7</sup> Eichhorst and Rinne (2015 and 2016) perform similar, albeit more detailed, analyses.

unemployed in general. Although these studies cannot establish a general hierarchy of types of interventions in terms of their effectiveness (at least not in developed countries), they stress that with a proper targeting and during recession periods, the effects of participation tend to be more positive. The latter finding is probably due to a different pool of participants. At the same time, there is compelling evidence pointing towards the important role of profiling, early interventions and following-up with those young people who are most vulnerable. This type of activation should preferably take place at an early stage of their unemployment spell (e.g. Martin and Grubb 2001; Quintini *et al.* 2007).

In order to draw more specific conclusions, in particular for the group of young unemployed individuals, it is useful to review available evaluation studies of specific programmes applied in specific contexts, i.e. mainly at the national level. Studies assessing the effectiveness of a single measure, i.e. the impacts of a given program that may be part of a broader activation strategy, can be found most frequently. However, studies of this type may have the disadvantage of only being able to draw conclusions that are not necessarily generalisable. In addition, when taking into account the available findings regarding the effectiveness of active labour market programmes specifically targeting young people, we can clearly see that these instruments cannot solve massive youth unemployment alone – especially when labour demand is weak and when larger structural reforms are needed. Furthermore, not all active programs are equally effective, and their effectiveness also depends on the general functioning of the labour market.

Results of such studies show that attention should also be paid to paving the way for a medium-term integration of young people into gainful and productive employment. In this context, evaluation findings that deal with subsidised temporary employment suggest that it is not necessarily a good path into regular employment as it can lead to repeated fixed-term employment, in particular in segmented labour markets and when training is underdeveloped. Subsidised employment, preferably located in the private sector, should be combined with substantial job-related training with employers to increase the employability and productivity of young people. Start-up support can be a useful tool to create jobs for young people and to contribute to a more dynamic development of the economy, particularly in a difficult economic environment (Caliendo and Künn 2011). Structural reforms lowering institutional barriers to employment facilitate the working of activation policies.

Hence, when initial education has been completed, activation policies can play a certain role in promoting youth employment. Activation schemes in the form of job search assistance, monitoring and sanctioning should also not be suspended in a situation of crisis and high unemployment when labour demand is weak. Even in such a situation, which can generate

long-term benefit dependency that will be hard to overcome regardless of an improving economic environment, early intervention makes sense. For example, job search assistance can be relatively effective in the short run, and it is often combined with monitoring and sanctioning. While monitoring and sanctioning certainly have to play a crucial role in any activation strategy as necessary ingredients of actual benefit conditionality, sanctioning should not be too excessive, but well-balanced and complemented with suitable supportive measures – in particular in the case of young people as they might otherwise leave the labour force (see also Caliendo and Schmidl 2016).

Monitoring and sanctions during periods of benefit receipt are central policy tools allowing public employment services to keep track of young people, but also to check (and potentially react on) compliance or non-compliance of the unemployed through introducing obligations as part of activation policies. Such obligations can, for example, be defined in terms of accepting suitable job offers, participating in offered active labour market policy schemes, sending out a specific number of applications, or being present at meetings with the caseworker. Non-compliance with any of such obligations may result in a sanction. This could imply, for example, that welfare benefits are reduced for a specific time period, or even completely withdrawn. Sanctions therefore set incentives to comply with job search requirements, and they ultimately aim at increasing the transition rate from unemployment into employment (by combatting moral hazard).

Monitoring is a necessary tool to detect noncompliance of the unemployed with their obligations. However, the effect of monitoring alone is usually not analysed. Instead, the empirical literature mainly focuses on the effects of sanctions on various outcomes, most importantly on the transition from unemployment to employment. Additionally, the implementation of a system of monitoring and sanctions generally requires a specific level of capacity in the public employment service.

The available empirical evidence on the effects of sanctions can be summarised as follows (see van den Berg *et al.* 2014, and references therein): first, most studies detect a positive impact of sanctions on job-finding rates. Second, evidence also points towards an increased probability of leaving the labour force and welfare receipt. Third, some studies suggest negative impacts of sanctions on job match quality, i.e. wages are lower and/or jobs are less stable. Fourth, findings suggest that an increased use of sanctions reduces their effectiveness (van der Klaauw and van Ours 2013). Finally, although the vast majority of empirical studies do not explicitly focus on youth, some research indicates that the effectiveness of sanctions increases with age (at least up to a certain age; van den Berg *et al.* 2004; van der Klaauw and van Ours 2013). However, a more recent study explicitly analysing the effects of sanctions on young job seekers confirms positive



impacts on the transition rate into employment also for this group, which appear moreover independent of their timing within the unemployment spell (van den Berg *et al.* 2014).

To summarise, activation policies in a broader sense should also be applied *vis-à-vis* young people, with a particular focus on the acquisition of skills early in life. While a binding link between the availability for policy interventions and the access to benefits makes sense, sanctioning should not be excessively strict in the case of young people as this might mean that they withdraw from the labour market or end up in low-skilled, more vulnerable casual jobs – and both scenarios would have long-term impacts on their career patterns.

## CONCLUSIONS

To combat youth unemployment, many different policy areas have to be addressed simultaneously and systematically. On the one hand, the macroeconomic environment plays a crucial role in facilitating youth integration into the labour market. However, favourable economic conditions are not sufficient to solve the problem effectively.

Here, institutional reforms have to set in, focusing in particular on the regulation of labour market entry by way of employment protection and through the design of school-to-work transition regimes that put strong emphasis on the acquisition of skills and competences that are relevant to the labour market. Furthermore, youth activation policies have to be reinforced so that fewer young people are excluded from promising pathways into stable employment. A combination of benefit provision with targeted active labour market policies, in particular training, is most desirable. This, in turn, depends on appropriate funds and on effective delivery agencies.

How essential these latter two factors are can be shown in context of the *European Youth Guarantee*. While this instrument probably is as good as it could be as a European measure, the actual implementation in countries with high youth unemployment falls short of initial expectations.

## REFERENCES

- Andor, L. (2016), *Youth Guarantee Four Years After – EU Youth Employment Initiatives and Their Evaluation*, [https://www.academia.edu/30448774/Youth\\_Guarantee\\_Four\\_Years\\_After](https://www.academia.edu/30448774/Youth_Guarantee_Four_Years_After).
- Bonnal, L., S. Mendes and C. Sofer (2002), “School-to-work Transition: Apprenticeship versus Vocational School in France”, *International Journal of Manpower* 23, 426–442.
- Cahuc, P., S. Carcillo, U. Rinne and K.F. Zimmermann (2013), “Youth Unemployment in Old Europe: The Polar Cases of France and Germany”, *IZA Journal of European Labor Studies* 2:18.
- Caliendo, M. and S. Künn (2011), “Start-Up Subsidies for the Unemployed: Long-Term Evidence and Effect Heterogeneity”, *Journal of Public Economics* 95, 311–331.
- Caliendo, M. and R. Schmidl (2016), “Youth Unemployment and Active Labor Market Policies in Europe”, *IZA Journal of Labor Policy* 2016 5:1.
- Card, D., J. Kluve and A. Weber (2010), “Active Labor Market Policy Evaluations: A Meta-Analysis”, *Economic Journal* 120, 452–477.
- Card, D., J. Kluve and A. Weber (2015), *What Works? A Meta Analysis of Recent Active Labor Market Program Evaluations*, IZA Discussion Paper 9236.
- Dhéret, C. and J. Roden (2016), *Towards a Europeanisation of Youth Employment Policies? A Comparative Analysis of Regional Youth Guarantee Policy Designs*, European Policy Centre Issue Paper 81.
- Eichhorst, W. and U. Rinne (2015), *Promoting Youth Employment through Activation Strategies*, IZA Research Report 65.
- Eichhorst, W. and U. Rinne (2016), *Promoting Youth Employment in Europe: Evidence-based Policy Lessons*, IZA Policy Paper 119.
- Eichhorst, W., N. Rodríguez-Planas, R. Schmidl and K.F. Zimmermann (2015), “A Roadmap to Vocational Education and Training in Industrialized Countries”, *Industrial and Labor Relations Review* 68, 314–337.
- Escudero, V. and E. López Mourello (2015), *The Youth Guarantee Programme in Europe: Features, Implementation and Challenges*, ILO Research Department Working Paper 4.
- European Commission (2016), *The Youth Guarantee and Youth Employment Initiative Three Years On*, <https://ec.europa.eu/transparency/regdoc/rep/1/2016/EN/1-2016-646-EN-F1-1.PDF>.
- European Commission (2017), *Youth Guarantee*, <http://ec.europa.eu/social/youthguarantee>.
- European Court of Auditors (2017), *Youth Unemployment – Have EU Policies Made a Difference? An Assessment of the Youth Guarantee and the Youth Employment Initiative*, Special Report 5, Luxembourg.
- Kluve, J., S. Puerto, D. Robalino, J.M. Romero, F. Rother, J. Stöterau, F. Weidenkaff and M. Witte (2016), *Do Youth Employment Programs Improve Labor Market Outcomes? A Systematic Review*, IZA Discussion Paper 10263.
- Martin, J.P. and D. Grubb (2001), *What Works among Active Labour Market Policies: Evidence from OECD Countries’ Experiences*, OECD Labour Market and Social Policy Occasional Paper 35.
- O’Higgins, N. (1997), “The Challenge of Youth Unemployment”, *International Social Security Review* 50, 63–93.
- Parey, M. (2009), *Vocational Schooling versus Apprenticeship Training – Evidence from Vacancy Data*, mimeo.
- Plug, E. and W. Groot (1998), *Apprenticeship versus Vocational Education: Exemplified by the Dutch Situation*, mimeo.
- Quintini, G. and T. Manfredi (2009), *Going Separate Ways? School-to-Work Transitions in the United States and Europe*, OECD Social, Employment and Migration Working Paper 90.
- Quintini, G., J.P. Martin and S. Martin (2007), *The Changing Nature of the School-to-Work Transition Process in OECD Countries*, IZA Discussion Paper 2582.
- Schmillen, A. and M. Umkehrer (2013), *The Scars of Youth: Effects of Early-Career Unemployment on Future Unemployment Experiences*, IAB Discussion Paper 6/2013.
- van den Berg, G.J., B. van der Klaauw and J.C. van Ours (2004), “Punitive Sanctions and the Transition Rate from Welfare to Work”, *Journal of Labor Economics* 22, 211–241.
- van den Berg, G.J., A. Uhlendorff and J. Wolff (2014), “Sanctions for Young Welfare Recipients”, *Nordic Economic Policy Review* 1, 177–208.
- van der Klaauw, B. and J.C. van Ours (2013), “Carrot and Stick: How Re-employment Bonuses and Benefit Sanctions Affect Exit Rates from Welfare”, *Journal of Applied Econometrics* 28, 275–296.
- Winkelmann, R. (1996), “Employment Prospects and Skill Acquisition of Apprenticeship-Trained Workers in Germany”, *Industrial and Labor Relations Review* 49, 658–672.
- Zimmermann, K.F., C. Biavaschi, W. Eichhorst, C. Giulietti, M.J. Kendzia, A. Muravyev, J. Pieters, N. Rodríguez-Planas and R. Schmidl (2013), “Youth Unemployment and Vocational Training”, *Foundations and Trends in Microeconomics* 9, 1–157.